

# <u>TestAmerica</u>

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: 240-54660-1

Client Project/Site: Abandoned Mining Waste-Torch Lake

Revision: 1

For:

Michigan Dept of Environmental Quality Constitution Hall 525 W. Allegan Street 3rd Floor Lansing, Michigan 48909

Attn: Amy Keranen

His Brooks

Authorized for release by: 1/13/2016 4:18:44 PM

Kris Brooks, Project Manager II (330)966-9790

kris.brooks@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.

www.testamericainc.com

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Expert

Have a Question?

Client: Michigan Dept of Environmental Quality Project/Site: Abandoned Mining Waste-Torch Lake TestAmerica Job ID: 240-54660-1

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# **Case Narrative**

Client: Michigan Dept of Environmental Quality Project/Site: Abandoned Mining Waste-Torch Lake TestAmerica Job ID: 240-54660-1

Job ID: 240-54660-1

Laboratory: TestAmerica Canton

Narrative

**Job Narrative** 240-54660-1 Revised

## Comments

The Asbestos analysis was performed at the EMLab P&K - Irvine Laboratory.

The samples were received on 8/24/2015 2:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 7.0° 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-Torch Lake TestAmerica Job ID: 240-54660-1

Method **Method Description** Protocol Laboratory Asbsestos - Carb General Sub Contract Method NONE EMLab

435

**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-Torch Lake

TestAmerica Job ID: 240-54660-1

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| Lab Sample ID | Client Sample ID   | Matrix | Collected Received            |
|---------------|--------------------|--------|-------------------------------|
| 240-54660-1   | CHLL-SB159-3"-9"   | Solid  | 08/18/15 09:22 08/24/15 14:40 |
| 240-54660-2   | CHLL-SB160-9"-15"  | Solid  | 08/18/15 09:45 08/24/15 14:40 |
| 240-54660-3   | CHLL-SB161-3'-3.5' | Solid  | 08/18/15 15:00 08/24/15 14:40 |







Report for:

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

Regarding:

Project: 240-54660-1 EML ID: 1413776

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, LLC

EMLab ID: 1413776, Page 1 of 2

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1/13/2016

## 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: 240-54660-1

Date of Sampling: 08-18-2015 Date of Receipt: 08-25-2015 Date of Report: 09-03-2015

## ASBESTOS POINT COUNT REPORT: CARB METHOD 435

| Location:             | CHL           | L-SB159-3"-9" (240-54)     | 660-1)                        |  |  |  |  |  |
|-----------------------|---------------|----------------------------|-------------------------------|--|--|--|--|--|
| Total Points Counted: | 400           |                            |                               |  |  |  |  |  |
| Lab ID-Version‡:      | 6510781-1     |                            |                               |  |  |  |  |  |
| Sample Layers         | Asbestos Type | Asbestos Points<br>Counted | Asbestos<br>Concentration (%) |  |  |  |  |  |
| Dark Brown Soil       | Chrysotile    | 0.75                       |                               |  |  |  |  |  |
| Layer Totals:         |               | 3                          | 0.75                          |  |  |  |  |  |

### Comments:

| Location:             | CHLI          | L-SB160-9"-15" (240-54     | 660-2)                        |
|-----------------------|---------------|----------------------------|-------------------------------|
| Total Points Counted: |               | 400                        |                               |
| Lab ID-Version‡:      |               | 6510782-1                  |                               |
| Sample Layers         | Asbestos Type | Asbestos Points<br>Counted | Asbestos<br>Concentration (%) |
| Dark Brown Soil       | Chrysotile    | 0                          | < 0.25                        |
| Layer Totals:         |               | 0                          | NA                            |

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

| Location:             | CHL           | L-SB161-3'-3.5' (240-54    | 660-3)                        |  |  |  |  |  |  |
|-----------------------|---------------|----------------------------|-------------------------------|--|--|--|--|--|--|
| Total Points Counted: | 400           |                            |                               |  |  |  |  |  |  |
| Lab ID-Version‡:      |               | 6510783-1                  |                               |  |  |  |  |  |  |
| Sample Layers         | Asbestos Type | Asbestos Points<br>Counted | Asbestos<br>Concentration (%) |  |  |  |  |  |  |
| Dark Brown Soil       | Chrysotile    | 1                          | 0.25                          |  |  |  |  |  |  |
| Layer Totals:         |               | 1                          | 0.25                          |  |  |  |  |  |  |

## Comments:

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".

EMLab P&K, LLC

EMLab ID: 1413776, Page 2 of 2

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

# CHAIN OF CUSTODY AND RECEIVING DOCUMENTS

4101 Shuffel Street, N.W. North Canton, OH 44720 Page 8 of 12 tel 330.497.9396 fax 330.497.0772 www.testamericainc.com

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# CHAIN OF CUSTODY www.EMLabPK.com



New Jersey: 3000 Lincoln Drive East, Suite A, Mariton, NJ 08053 \* (866) 871-1984 Phoenix, AZ: 1501 West Knudsen drive, Phoenix, AZ 85027 \* (800) 651-4802

| W            | eather   | Fog | Rain | Snów | Wind | Clear |
|--------------|----------|-----|------|------|------|-------|
|              | None     |     |      |      |      |       |
| <del>-</del> | Light    |     |      |      |      | 15⊅   |
| evel         | Moderate |     |      |      |      | 1425  |
|              | Heavy    | ☐ · |      |      |      |       |

## **REQUESTED SERVICES** (Use checkboxes below) Culturable

Non-Culturable

Tape

| Phoenix, AZ             | : 3000 Lincoin Drive East, Suite A, Ma<br>L: 1501 West Knudsen drive, Phoenix,<br>CA: 1150 Bayhill Drive, #100, San Bri | AZ 85027 * (800)                                   | 651-4802                              |                | Heavy                               |   | Spo                  | re:<br>ip     | Tap<br>Swa<br>Bull                    | b                       |                                 |  |   |   |                    |  | Swab<br>Plates                         |            | Othe  | er Req                          | uests.              |
|-------------------------|---|--|---------------------------------------|----------------|-------------------------------------|---|----------------------|---------------|---------------------------------------|-------------------------|---------------------------------|--|---|---|--------------------|--|--|------------|---|---------------------------------|---------------------|
|                         |   |  | · · · · · · · · · · · · · · · · · · · |                |                                     |   |                      |               |                                       |                         |                                 |  |   |   |                    |  |  |            | 8   | - (                             | \                   |
|                         |   | CON  | TACT INFORMA                          | TION !         |                                     |   | ŀ                    |               | 1                                     | - 1                     |                                 |  |   |   |                    |  |  |            | 7400)   |                                 | 1                   |
| Company:                | weston Solutions  | /DEQ   | Address: P.o. B                       | me 5.7         | 7, Hought                           | on MI 49931   |                      |               |                                       | 1                       |                                 |  |   | Bactéria )                                    | l'                 |  |  |            | ESO!  | -116)                           | 1!                  |
| Contact:                | JEFF Bilkley  | <b>\</b>   | Special Instructions:                 | رو ساده        | itonsolutivi<br>michigan            | s.com   |                      |               |                                       | 1                       | cho.                            | Sp.)   |   |   |                    |  |  | \          | - Juno  | 0/R-93                          | :                   |
| Phone:                  | 906-523-5457  | <i>)</i>   | Kerane                                | nae            | michigan.                           | 900   |                      | "             |                                       | _ [.                    | . 1                             |  |   | S Sur   | 1                  | ouce 's                                    | <u> </u>                               |            | ber C   | 09 po                           |                     |
|                         | PROJECT INFO  | RMATION  |                                       | TU             | JRN AROUND TIM                      | IE CODES (TAT)  |                      | particles     | ative)                                | Exan                    | 4                               | +  | Asp   | Ā   |                    | Abs  | i i                                    |            | le Fi   | meth                            |                     |
| Project ID:             | Abandoned M   | ining W  | ables-Tovelelle                       | STD:-S         | Standard (DEFAULT)                  | Rushes received after 2                               | .s.                  |               | Qualit                                | Direct                  | enus                            | enus   | SI C  | turable                                       |                    | Sence                                      | anism                                  | Screen     | Airbor  | (EPA                            |                     |
| Project<br>Description: |   | <b>,</b>   |                                       |                | ext Business Day                    | pm or on weekends, will be<br>considered received the | Analy                | s - Other     | Exam (                                | Count                   | igi (G                          | 5) jour  | i (Geni                                     | ts (Cul                                       |                    | oli (Pre                                   | Jeyer<br>Jify org                      | ge Scr     | - PCM   | - PLM (EPA method 600/R-93-116) | 50                  |
| Project<br>Zip Code:    |   | Sampling<br>Date & Time:                           | 8/18/15                               | SD-Sa          | me Business Day'Rush                | next business day: Please alert us in advance of      | Spore: Tráp Analysis | Trap Analysis | Direct Microscopic Exam (Qualitative) | Spore Count Direct Exam | 1-Media Surface Fungi (Genus ID | 2-Media Surface Fundi (Genus ID. + Asp. 3-Media Surface Fundi (Genus ID + Asp. | Culturable Air Fungi (Genus ID + Asp. spp.) | Gram Stain & Counts (Culturable Air & Surface | alture             | Total Colliorm, E. coli (Presence/Absence) | Memorane rilidadon (specily organism): | Sewage     | Asbestos Analysis – PCM Airborne Fiber Count (NIOSH | ıalysis                         |                     |
| PO Number               |   | 'Sampled By: 〔                                     | J. Pircumbe                           | WH-W           | /eekend / Holiday                   | weekend analysis needs.                               | Spo                  | 1 =           | Micro                                 | Quantitative            | lia Sur                         | is Sur   | able A                                      | Stain   | Legionella culture |  | Rane r                                 | iTray-     | tos An  | Asbestos Analysis               | PCR (specify test): |
| :Sample ID              | Description   | ı  | Sample Type<br>(Below)                | TAT<br>(Above) | Total Volume / Area (as applicable) | Notes<br>(Time of day, Temp, RH, etc.)                | Fung                 | Spore         | Direct                                | Quan                    | - Mec                           | 3-Med  | ag .  | Gram  | Legio              | leto                                       | MPN                                    | QuantiTray | Asbes   | Asbes                           | PCR (               |
|                         | CHLC-5B159-3  | "-9"   | \$0                                   | atz            | t                                   | 8/18/15 0922  | 厅                    |               |                                       |                         |                                 | JE   |   |   |                    |  | 亍                                      | 加          |   |                                 |                     |
|                         | CHLL-513160 -   | 7-15"  | So                                    | STO            | i                                   | 8/18/15 0945  | E                    |               |                                       |                         |                                 |  |   |   |                    |  | 訂                                      |            |   |                                 |                     |
|                         | CHLL. SBIG1 -   | <u>3'-3.5'                                    </u> | 50                                    | STD.           | · L                                 | 8/18/15 1500  | 匚                    |               |                                       |                         |                                 |  |   |   |                    |  | 加                                      | 10         |   |                                 |                     |
|                         |   |  |                                       | . 1            |                                     |   |                      |               |                                       |                         |                                 |  |   |   |                    |  | 丁                                      |            |   |                                 |                     |
|                         |   |  |                                       |                |                                     |   |                      |               |                                       |                         |                                 |  |   |   |                    |  |  | ום         |   |                                 |                     |
|                         |   |  |                                       |                |                                     |   | 匚                    |               |                                       |                         |                                 |  |   |   |                    |  |  |            |   |                                 |                     |
|                         |   | <i>y</i>   |                                       |                |                                     |   |                      |               |                                       |                         |                                 |  |   |   |                    |  |  | 10         |   |                                 |                     |
|                         |   |  |                                       |                |                                     |   |                      |               |                                       |                         |                                 |  |   |   |                    |  |  |            |   |                                 |                     |
|                         |   |  |                                       |                |                                     |   |                      |               |                                       |                         |                                 |  | ]   |   |                    |  | 긔드                                     |            |   |                                 |                     |
|                         |   |  |                                       | <u> </u>       |                                     |   |                      |               |                                       |                         |                                 |  |   |   |                    |  |  |            |   |                                 |                     |
|                         |   |  |                                       |                |                                     |   |                      | ][            |                                       |                         |                                 |  |   |   |                    |  |  |            |   |                                 |                     |

|                           | SAMPLE TYPE CODES       |            |           | RELINQUISHED BY  | DATE & TIME  | RECEIVED BY | DATE & TIME |
|---------------------------|-------------------------|------------|-----------|--|--------------|-------------|-------------|
| BC - BioCassette ™        | ST - Spore Trap: Zefon, | T-Tape     | D - Dust  |  | <b>€</b>     |             | 01.1. 1000A |
| A1S - Anderson            | Allergenco, Burkard     | SW - Swab  | SO - Soil | Les Rean   | 8/20/15      |             | 8/2/5 14:40 |
| SAS - Surface Air Sampler | P - Potable Water       | B - Bulk   |           | 110  | do 1. 14.44  |             |             |
| CP - Contact Plate        | NP – Non-Potable Water  | O - Other: |           | The state of the s | 8/2/15 11.74 |             |             |

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

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Doc. #1192 Rev 29 Revised4/25/133 Page 1 of 1, QA

| Testamerica  THE LEASER IN ENVIRONMENTAL FESTING  Cooler/Sample Receipt  (AFTER HOURS receipt-complete gray areas Place cooler in walk-in, place this form in Receiving in- box Date/Time rec d Initials                                   | □ Bottl □ Disc □ Sho                             | <sup>le slickei</sup><br>repa<br><u>rt Ho</u> | s applie<br>ncies<br>Id   | d DELEME  | NT comment<br>Clie<br>Wo           | ormation Supplied bentered IMSDS/COC scanned/ ent ID TH Canhai MDEG rk Order # day Oother lls: Hmy Date: 8/24/15 | emailed to EH&S                       |
|--|--|---|---|---|------------------------------------|--|---------------------------------------|
| Method of Shipment:  □ Walk-In Client □ Other Client/3 <sup>rd</sup> Party Courier □ Fed Ex Tracking # □ UPS Tracking # □ Other  |  | Pa D  | Sooler<br>None<br>cking<br>Plastic<br>Bubble<br>Packin<br>Other | ☐ Box<br>☐ Other<br>Materials:<br>Bags<br>Wrap<br>g Peanuts | ☐ Foam<br>☐ Paper<br>☐ None        | ☐ Yes ☐ ☐ N  ☐ N/A (not used or re Cooling Materials: ☐ Ice (solid) ☐ Ice ( ☐ Blue Ice ☐ Nor ☐ Other             | No<br>quired)<br>(Meltéd)<br>ne       |
| Are there any soil samples from areas TN. TX. VA. Puerto Rico. Virgin Islands. any other  Receipt Temperatures Thermometer ID Observed (°C) Corrected (°C) 140252483 3.0 1.0   | Temp Samp  | Reci<br>Reci<br>ole sam<br>o sam              | eived on<br>e day<br>oled?                                      | Acceptable?   | Yes (If Yes                        | s, Project Manager must be notified  | d).<br>ets Required                   |
| *Receipt temperatures are considered acceptable in has started. Temperature acceptance for most test Receipt and Login, Attachment 2 - Holding Time  Receipt Questions**   | f the samples<br>s is ≤6,0°C, b<br>s, Preservati | are rece                                      | ived on<br>ozen, F<br>Contair                                   | the same da<br>or additional<br>ner Requiren                | y they were of information, ments. | collected & show signs that the cooplease refer to SOP DT-SCA-004.  uire additional comment                      | oling process<br>Sample               |
| COC present & TA receipt signature, date, & time properly documented?  Containers & labels in good condition? (unbroken leaking, appropriately filled, labels legible & attached)  Appropriate containers used & adequate volume provided? | , nol  |   |   |   |                                    |  |                                       |
| Number of sample containers match CQC?  Samples received within hold time?  Samples submitted for GRO and Volatiles analy (8260, 624, 524) received without headspace?   | ,  | /   | 1   |   |                                    |  |                                       |
| Was a Trip Blank received with VOA samples? Were the samples free of any questionable phy conformities? For example, field duplicates or bottles of the same sample do not significantly appearance (color, proportion of solids, etc.)    | nultiple<br>rary in                              |   | <b>V</b>  |   |                                    |  |                                       |
| Were the COC, bottle labels, and all other items all other discrepancies or issues that would nee addressed with the Project Manager and/or Clie  ** May not be applicable if samples are not for complications.                           | d to be<br>nt?                                   | V -   |   |   |                                    |  | · · · · · · · · · · · · · · · · · · · |
| Client Contact Record Contact via: Phone Email Othe Discrepancy allowance agr Discussion/Resolution:   | eement is o                                      | Pe  | rson C<br>rd in th  | Contacted<br>ne client pr                                   | ;<br>roject file.                  | Date/Time: _   |                                       |
| Any additional documentation and clarification from San Reviewed by PM Signature Date  | om client mu                                     | WI  |   | \ of_\  | and/or scan                        | vvi No, D.I -SCA-yvi-<br>effective 06/11/12  | 001 10<br>1/13/2016                   |



# TestAmerica Canton

4101 Shuffel Street NW North Canton, OH 44720

# Chain of Custody Record





| Phone (330) 497-9396 Fax (830) 497-0772                             | ·                              |   |                                       |  |               |               |                    |               |                 |            |            |                |           |   |         |              |           |   | alter the gr    | de-fis fracers.                     | 1144 122          | HENVE              |
|---|--------------------------------|---|---------------------------------------|--|---------------|---------------|--------------------|---------------|-----------------|------------|------------|----------------|-----------|---|---------|--------------|-----------|---|-----------------|-------------------------------------|-------------------|--------------------|
| Client Information (Sub Contract Lab)                               | Sampler.                       |   |                                       | Bro  | PM:<br>oks, k | (ris M        | l                  |               |                 |            |            | Car            | nier Thec | Ming B                                    | (O(B):  |              |           | 240-474                                 | 11.1            |                                     |                   |                    |
| Client Contact: Phora:<br>Shipping/Receiving                        |                                |   |                                       | ь-м<br>кла   |               | cs@bs         | stem               | eriçair.      | .c.tor          | מ          |            | 7              |           |   |         |              |           | Paga:<br>Page 1 o                       | f (             |                                     |                   |                    |
| Yampery:<br>EMLab P&K   | mpony <del>.</del><br>MLab P&K |   |                                       |  |               |               |                    |               | An              | alysi      | s R        | edue           | sted      | Ī   | -       |              |           | Juli #:<br>240-5466                     |                 | •                                   |                   |                    |
| Address   | Due Dula Requesta<br>9/3/2015  | pd:                                     | · · · · · · · · · · · · · · · · · · · |  |               | H             |                    |               |                 | Ť          | T          |                | Π         | Ť   | Ī       |              |           | Preserva                                |                 | es:                                 |                   |                    |
| Citys<br>Izvine   | TAT Requestati (du             | ive):                                   | •                                     |  |               |               |                    |               |                 |            |            |                |           | -   | 1       |              |           | A-HCL<br>B-KHOH                         |                 | M = Hecon                           |                   |                    |
| State, 20p:   |                                |   |                                       |  |               | 5             |                    |               |                 |            | 1          |                | -         |   | 1       |              |           | G – Zir Ace<br>D – Nipip A<br>E – NaNSO | /29/.8<br>/clql | O - AsNaC<br>P - Na2O4<br>Q = Na2S1 | 02<br>IS          | 1                  |
| CA, 92614<br>Proxe:   | PO #.                          |   |                                       | <u> </u>   | -118          | ļ             |                    |               |                 |            | -          |                |           |   | 1       |              |           | F-MeDH<br>G-Amend                       |                 | R-14:253<br>S-H2SO                  | 2503              |                    |
| Email:  | WO#:                           |   |                                       |  |               |               |                    |               | 1               |            |            |                |           | ١   |         |              |           | H - Ascort                              | lc Acid         | T-TSP L                             | o <i>dec</i> ahyd | edicat             |
| Product Name;   | Prejec:#                       |   |                                       | <del></del>  | -8            | Carlo Aspersa |                    | 1 1           |                 |            |            |                | 1         |   |         |              |           | J-DI WEL<br>K-EDTA                      | er              | V - MCAA<br>W -sh 4-3               | 5                 |                    |
| Weston - Abandoned Mirring Wasta<br>আন্ত                            | 24012499<br>880W#:             |   | •                                     |  |               | 174           |                    |               |                 |            |            |                |           |   |         |              |           | L-EDA                                   |                 | Z-elbor(                            | specify)          |                    |
| COLEX   | aauw <i>e</i> c                |   |                                       |  |               |               | 3                  |               |                 |            |            |                |           |   | -       |              |           | Cther                                   |                 |                                     |                   |                    |
|   |                                |   | Samplo                                | Matrix<br>(www.  |               | A Marketon    |                    |               |                 |            |            |                |           | Ì   | 1       |              |           |   |                 |                                     |                   |                    |
|   |                                | Sample                                  | Type<br>(C=came,                      | Granid,<br>Drawnskiej  |               |               |                    |               | 1               |            |            |                |           |   |         |              | 300.00    |   |                 |                                     |                   |                    |
| Sample Identification - Client ID (Lab ID)                          | Sample Date                    | Time                                    | G=grab) :                             | STATISHUS, AMA   |               |               | 3. 4<br>III. 41118 |               | inisalu         | DATES.     | III. SER   | STERRE         |           |   | ST(115) |              |           |   | ecial in        | ទទំហាលដែលព<br>មានរដ្ឋការប្រជា       | s/Note:           | :<br>सम्बद्धाः     |
| CHLL-SB159-3*-9* (240-54660-1)                                      | 8/18/15                        | 09:22                                   |                                       | Solid  | 1322          | 552459JI<br>3 |                    | (litetilitée  | inisasili.      | idiadilisa | intri Elli | ilifa Esilii   | K#168     |   | REMER   | HERMER       |           |   |                 |                                     | •                 | mestil.            |
| CHLL-SB160-9"-16" (240-54660-2)                                     | 9/18/15                        | 1:25[em<br>09:45                        | -                                     | Solid  |               | 十,            | <del>,  </del>     | ╬             |                 | $\dagger$  |            | +              |           | $\dashv$                                  |         | +            |           |   |                 |                                     | ((()              | לינונות<br>לינונות |
| CHILL-SB161-3"-3.5" (240-54860-3)                                   | 8/18/15                        | Fastem<br>15:00<br>Esstem               |                                       | Şçlid  | 11            | 7             | <b>&lt;</b>        |               |                 | $\neg$     | 1          | +              | 1         | 7   |         |              |           |   |                 |                                     |                   | -                  |
| ***************************************                             |                                |   |                                       |  | 11            | $\top$        |                    | <del>  </del> |                 | +          | +          |                | -         |   |         |              |           | 100                                     | 141.            | 3776                                |                   | -                  |
|   |                                |   |                                       | ***************************************  | 11            | 1             |                    |               |                 |            | +          |                |           |   |         | $\top$       |           | <del> </del>                            |                 |                                     |                   | _                  |
|   |                                | <u> </u>                                |                                       |  | 11            | -             |                    |               |                 |            | $\top$     |                |           |   |         | T            |           |   |                 |                                     |                   |                    |
|   |                                |   |                                       | · · · · · ·  | 17            |               |                    |               |                 |            | _          | 1              |           |   |         | 1            |           |   |                 |                                     |                   |                    |
|   |                                |   | <b> </b>                              |  | Ħ             | $\top$        | $\dagger$          |               |                 |            | +          | 1              |           |   |         |              | 1000      |   |                 |                                     |                   |                    |
|   |                                |   |                                       | •  | $\forall$     |               | 1                  |               |                 |            | +          | _              | -         |   |         | -            |           |   |                 |                                     |                   |                    |
|   |                                |   |                                       |  | $\top$        |               |                    |               |                 |            | 7          | - †-           | -         |   |         |              |           |   |                 |                                     |                   |                    |
|   |                                |   |                                       |  | П             |               | 1                  |               |                 | 十          | -          |                | 1         |   |         | 1            | -111      | J                                       |                 | · PL . 444                          |                   |                    |
| Possible Hazard Identification                                      |                                | *************************************** |                                       |  |               | Saure         | ale Di             | sposa         | 1 ( A           | fee m      | sy be      | 9 888          | essed     | if se                                     | mple    | s ere r      | eteb<br>1 | ied longe<br>Nye For_                   | than f          | month)                              |                   |                    |
| Unconfirmed  Deliverable Requested: i, ii, iii, IV, Other (specify) |                                |   |                                       |  |               | Speci         | iness.<br>ani la   | m To (        | CWenn<br>re/Ci( | t<br>C Rea | uiren      | Disp<br>cents: | ювы В     | уLв                                       | 7       |              | *Arci     | tive For                                |                 | Monti                               | 75                |                    |
| Empty Kit Relinquished by:  |                                | Date:                                   |                                       |  | Tim           |               |                    |               |                 |            |            |                |           | ad of                                     | Shipm   | er/c         |           |   |                 |                                     |                   |                    |
|   | Dažal I. ma;                   | 1                                       | 1                                     | Company  | <u>l</u>      |               | BNS ACK            | d by:         |                 |            |            |                |           | _   | Date    | Times        |           |   | ~               | Company<br>C/10                     | 1 m               |                    |
| Refrequences (%)  | 8 24/15                        | (\$;                                    | <del>!!</del>                         | THE M  | <u> </u>      |               | DOEN'S             |               |                 |            | 7          | -              |           |   | Select  | _ <u>2.5</u> |           | <u>rs</u> ,                             | Pan             | Complete                            |                   | <u> </u>           |
|   | Date/Yene:                     |   |                                       | Сопрапу  |               |               | ersiye             |               |                 |            | -          |                |           |   | Deba    |              |           |   |                 | Company                             |                   |                    |
| Εφθηφώβησή της  | <u> </u>                       |   |                                       | - γ. αντικών<br>γ. |               |               |                    | -             |                 |            |            |                |           |   |         |              |           |   | ,,,,            | Company                             |                   |                    |
| Costody Seals Intact. Costody Seal No.                              | Birlini<br>Birlini             |   |                                       |  |               |               | odier T            | gjijbė(al     | <br>(क)         | Cand       | Ollsa      | r:Rema         | rios_     | :::::<br>:::::::::::::::::::::::::::::::: |         | 11.<br>27:,  | !         | . 4                                     | .:              |                                     |                   |                    |
|   |                                |   |                                       |  |               |               |                    |               |                 |            |            |                |           |   |         |              |           |   |                 |                                     |                   |                    |



# CHAIN OF CUSTODY www.EMLabPK.com



New Jersey: 3000 Lincoln Drive East, Sulte A, Marlion, NJ 08053 \* (888) 871-1984 Phoenix, AZ: 1501 West Knudsen drive, Phoenix, AZ 85027\* (800) 651-4802 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94006 \* (866) 888-6653

| ľ | W     | eather    | Fog | Rain | Snow | Wind | Clear      |               |       |
|---|-------|-----------|-----|------|------|------|------------|---------------|-------|
|   |       | None      |     |      |      |      |            |               |       |
| ١ | jawa. | Light     |     | П    |      |      | <b>∑</b> ₹ | Non-Cu        | lbura |
| ١ | 8     | Mixierale |     |      |      |      |            |               | Ta    |
| į |       | Heavy     |     |      |      |      |            | Spore<br>Trau | Sw    |

|        | REQUESTED S<br>(Use checkboxs |                                       |
|--------|-------------------------------|---------------------------------------|
| bla    | Culturable                    | O O O O O O O O O O O O O O O O O O O |
| e<br>- | BloCassette™ , Anderse        | 001413776                             |

Water, Bulk, Dust, Soil, C

Swab

Bulk

|  | CON   | TACT INFORMA   | TION                   |  |   | 1   |  | l        |                                      |  |  |              |  |         |  |   |  | <u>§</u>                                |  |      | -  |
|--|---|--|------------------------|--|---|-----|--|----------|--------------------------------------|--|--|--------------|--|---------|--|---|--|---|--|------|----|
| Company;                                     | weston Solutions / DEQ                        | Address: P.O. Box 577, Houghton MI 49931                                       |                        |  |   |     |  |          |                                      |  |  | -            | otorio :   |         |  | -                                       |  | - PCM Airborne Fiber Count (NICSH 7400) | 16)                                      |      |    |
| Солтаст:                                     | Jeff Billey                                   | Special Instructions: J. binkleye westoned lutions. com Keranenae michigan-gov |                        |  |   |     |  |          |                                      | spp.)                                  | Spe                                    |              | Culturable Air Funga (George ID + Asp. Spp.)<br>Geom Stain & Counts (Culturable Sir & Surface Hactoria |         |  |   |  | N) in                                   | Analysis – PLM (EPA method 600;R-93-116) |      |    |
| Plate:                                       | 906-523-5457                                  | Kerane   | Keranenae michigan-gov |  |   |     |  |          | [_                                   |  | 1                                      |              | +Asp. spp.)  |         | Page 1                                     | ⇔l                                      |  | ξ.<br>Σ.                                | 00; BC                                   |      | 1  |
|  | PROJECT INFORMATION TURN AROUND TIME CO       |  |                        |  |   |     | Ť  | a line   | Ea                                   | 4+0                                    | +                                      | + 0          |  | ₹       | 8  |   | ير ا   | ne Fi                                   | meth                                     |      | [  |
| Project 10: Abandone & Mining Warter-Tordell |   |  |                        | Standard (DEFAULT)                     | Rushes received after 2                               | 11  | vialysis<br>Fifter esciebe   |          | 高                                    | anus                                   | Britis i                               | Sales        |  |         | Sance                                      |   |  | Airbor                                  | (EPA                                     | .    | j  |
| Project<br>Description:                      |   | ND – Next Business Day   |                        |  | pm or on weekends, will be<br>considered received the | :   |  |          | Count                                | 민                                      | <u>F</u>                               |              |  | 2       | 18 ·                                       |   | Sewage Screen  | ₽Ç₹                                     | -PLM                                     |      | 33 |
| Project<br>Zip Gode:                         | Sampling<br>Data & Time;                      | 8/18/15  | SD-S                   | ama Buşiness Day Ruşh                  | next business day. Pleaso<br>alert us in advance of   | -   | Professional Company C | Social   | Cuantitalive Spore Court Direct Exam | 1-Media Surface Fungi (Ganus ID + Asp. | 2-Medie Surface Fungi (Gamus ID + Asp. | 28 F         | Culturable Air Funga (Genus ID<br>Geem Stein & Counte (Culturab  | a a     | Total Coliform, E. coli (Presence/Absence) | Mambrane Filization (specify organism): | keriv bedeel (specify organism).<br>QuantiTray – Sewage Screen |   | :elysis                                  | 靈    | 7  |
| PO Number.                                   | Sampled By;                                   | J. Pineumbe  | WH-Y                   | weekend analysis needs.                | ш   |     | Direct Microscopic Exam (Qualitative)  | fizaliya | als Sur                              | 湖.                                     | 3-Wedia Surface Fungi (Genus ID + Aso. | 라는 아<br>Sein | egions/la culture  | Collibr | arate i                                    | Quantificay -                           | Asbestos Analysis  | A SOL                                   | PCA (specify test):                      | CARB |    |
| Sample ID                                    | Description                                   | Sample Type<br>(Bulow)   | TAT<br>(Alxiva)        | Total Volumo / Area<br>(as applicable) | Notes<br>[Time of day, Temp, RH, etc.]                | ]]  |  |          | g                                    | - Ke                                   | 24g                                    | 옭            |  |         | 19EE                                       |   |  | Asbe                                    | Asbesins                                 | PCR  | إ  |
|  | CHLL-58159 - 3"-9"                            | So   | 5TD                    | l "                                    | 8/18/15 0922  |     |  | ][       |                                      |  |  |              |  |         |  | 立                                       |  |   |  |      | 图  |
|  | CHLL-53160 -9-15"                             | SD   | STID                   | ι                                      | 8/18/15 0945  |     | JC   |          |                                      |  |  |              |  |         |  |   |  |   |  |      | 1  |
|  | CHLL. SBIG1 - 3'-3.5'                         | 50   | STD                    | i.                                     | 8/18/15 1500  |     | ][   |          |                                      |  |  |              | JC   | 70      |  |   |  |   |  |      | N  |
|  |   |  | ·1                     |  |   |     | JE   | JĽ       |                                      |  |  |              |  |         |  | 3                                       |  |   |  |      | 킈  |
|  |   |  |                        |  |   |     | 70   |          | ĬΠ                                   |  |  |              |  |         |  | 10                                      |  |   |  | 可    | 키  |
|  |   |  |                        |  |   |     | ֓֞֓֞֞֓֓֓֞֞֞֓֓֓֓֓֓֓֓֓֡֓֓֡֓֓֡֓֡֓֡֓֡֓֡֡֡֡֡֡   | 丁口       |                                      |  |  |              |  |         |  | וַב                                     |  |   |  |      | ΪĒ |
|  | <u> </u>                                      |  | 1/                     | -                                      | ,   |     |  | ם (כ     |                                      |  |  |              | JĒ   |         |  |   |  |   |  |      | 习  |
|  |   |  |                        |  |   |     | JC   |          |                                      |  |  |              | J[   |         |  | ][                                      |  |   |  | 可    | 引  |
|  | <u>,                                     </u> |  |                        |  |   |     |  |          |                                      |  |  |              |  |         |  |   | בונ  |   |  |      |    |
| <u> </u>                                     |   |  |                        |  |   | ΙĮĒ |  |          |                                      |  |  |              |  |         |  | 7                                       |  |   |  |      |    |
|  |   |  |                        |  |   |     |  |          |                                      |  | $\Box$                                 | [            |  |         |  | ][                                      |  |   |  |      | コ  |

|                           | SAMPLE TYPE CODES       |            |            | RELINQUISHED BY | DATE & TIME  | RECEIVED BY | DATE & TIME  |
|---------------------------|-------------------------|------------|------------|-----------------|--------------|-------------|--------------|
| BC - BloCassette ™        | ST - Spore Trap: Zefon, | T - Tape   | D Dust     | $\bigcirc$ 1.   | 34           |             | 8/2/15 14:40 |
| A1S - Anderson            | Allergenco, Burkard     | SW - Swab  | \$0 - Spil | - Lace          | 8/20/15      | 1112        | 1/2/15 19:40 |
| SAS - Surface Air Sampler | P Potable Water         | B - Bulk   |            | 21.6            | 8/2/15 19:44 |             | 00000        |
| CP - Contect Plate        | NP ~ Non-Polable Water  | D - Other: |            |                 | ייי לון יע   |             | 8-25-11      |

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