



383 Industrial Way, Suite 300  
 Anchorage, AK 99501 (907) 921-6014  
 anchorage@oneatlas.com



# PLM BULK SAMPLE ANALYSIS FOR ASBESTOS

Lab Login #: 0242503  
 Atlas Job #: NA  
 Client Project #: 1518124021

Report #: 0242503  
 Report By: A. Lang  
 Report Date: 11/25/2024

Client: **Vigor Alaska**  
 3801 Tongass  
 Ketchikan, AK 99901

Collected By: Client  
 Collection Date: 11/16/2024  
 Analyzed By: A. Lang  
 Date Analyzed: 11/25/2024  
 Received By: A. Lang  
 Received Date: 11/25/2024

TAT: RUSH      Sample Count: 7      Layer Count: 7  
 Project Name/ Location: M/V Matanuska

| Laboratory ID<br>Sample No. | Sample Location<br>Description                                                                  | Layer No.<br>Layer % | Non-Asbestos<br>Components                  | (%)        | Asbestos<br>Type         | (%)                  |
|-----------------------------|-------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------|------------|--------------------------|----------------------|
| 0242503-001<br>MHP-001      | Cardeck Stbd FR 173 - Supply Pipe<br>Pipe Insulation, Gray, Homogeneous, Fibrous,<br>Powdery    | LAYER 1<br>100%      | Other Non-Fibrous Material                  | 92%        | Amosite                  | 8%                   |
|                             |                                                                                                 |                      | <b>Total % Non-Asbestos:</b>                | 92.0%      | <b>Total % Asbestos:</b> | 8.0%                 |
| 0242503-002<br>MHP-002      | Cardeck Stbd FR 173 - Return Pipe<br>Insulation, Gold, Homogeneous, Fibrous                     | LAYER 1<br>100%      | Fibrous Glass<br>Other Non-Fibrous Material | 99%<br>1%  | None Detected            | 0%                   |
|                             |                                                                                                 |                      | <b>Total % Non-Asbestos:</b>                | 100.0%     | <b>Total % Asbestos:</b> | No Asbestos Detected |
| 0242503-003<br>MHP-003      | Cardeck Stbd FR 173 - Supply Lower Pipe<br>Insulation/Wrap, Gold/White, Homogeneous,<br>Fibrous | LAYER 1<br>100%      | Fibrous Glass<br>Other Non-Fibrous Material | 80%<br>20% | None Detected            | 0%                   |
|                             |                                                                                                 |                      | <b>Total % Non-Asbestos:</b>                | 100.0%     | <b>Total % Asbestos:</b> | No Asbestos Detected |
| 0242503-004<br>MHP-004      | Cardeck Stbd FR 173 - Return Lower Pipe<br>Insulation/Wrap, Gold/White, Homogeneous,<br>Fibrous | LAYER 1<br>100%      | Fibrous Glass<br>Other Non-Fibrous Material | 80%<br>20% | None Detected            | 0%                   |
|                             |                                                                                                 |                      | <b>Total % Non-Asbestos:</b>                | 100.0%     | <b>Total % Asbestos:</b> | No Asbestos Detected |
| 0242503-005<br>MHP-005      | Steering Gear Heater - Fwd Corner<br>Insulation/Wrap, Gold/White, Homogeneous,<br>Fibrous       | LAYER 1<br>100%      | Fibrous Glass<br>Other Non-Fibrous Material | 80%<br>20% | None Detected            | 0%                   |
|                             |                                                                                                 |                      | <b>Total % Non-Asbestos:</b>                | 100.0%     | <b>Total % Asbestos:</b> | No Asbestos Detected |
| 0242503-006<br>MHP-006      | Steering Gear Heater - Supply Pipe<br>Block Insulation, White, Homogeneous,<br>Powdery, Fibrous | LAYER 1<br>100%      | Other Non-Fibrous Material                  | 92%        | Amosite                  | 8%                   |
|                             |                                                                                                 |                      | <b>Total % Non-Asbestos:</b>                | 92.0%      | <b>Total % Asbestos:</b> | 8.0%                 |
| 0242503-007<br>MHP-007      | Steering Gear Heater - Return Pipe<br>Insulation, Gray, Homogeneous, Fibrous,<br>Powdery        | LAYER 1<br>100%      | Other Non-Fibrous Material                  | 92%        | Amosite                  | 8%                   |
|                             |                                                                                                 |                      | <b>Total % Non-Asbestos:</b>                | 92.0%      | <b>Total % Asbestos:</b> | 8.0%                 |



383 Industrial Way, Suite 300  
 Anchorage, AK 99501 (907) 921-6014  
 anchorage@oneatlas.com



# PLM BULK SAMPLE ANALYSIS FOR ASBESTOS

|                                     |                                |
|-------------------------------------|--------------------------------|
| <b>Lab Login #:</b> 0242503         | <b>Report #:</b> 0242503       |
| <b>Atlas Job #:</b> NA              | <b>Report By:</b> A. Lang      |
| <b>Client Project #:</b> 1518124021 | <b>Report Date:</b> 11/25/2024 |

| Laboratory ID<br>Sample No. | Sample Location<br>Description | Layer No.<br>Layer % | Non-Asbestos<br>Components (%) | Asbestos<br>Type (%) |
|-----------------------------|--------------------------------|----------------------|--------------------------------|----------------------|
|-----------------------------|--------------------------------|----------------------|--------------------------------|----------------------|

**Analyzed by:** *Amanda Lang* 11/25/2024  
 Amanda Lang Date

**Approved Signatory:** *Amanda Lang* 11/25/2024  
 Amanda Lang, Laboratory Technical Manager Date

Asbestos Containing Material (ACM) Definition: >1% asbestos by weight. <1% Results recommend verification by Point Count may be necessary for a more accurate and precise result.

**TRACE Results signify confidence that the concentration is so low that additional testing is not necessary.**

The Atlas Anchorage Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP Lab Code: 200124-0) and in accordance with the recognized International Standard ISO/IEC 10725:2017. Analysis performed by: EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples or EPA Method 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials at the discretion of the client or Atlas.

Unless a point-counting method is requested and noted for the sample, all quantities reported are based on calibrated visual estimation by Polarized Light Microscopy (PLM). Non-homogenous samples will be layered for testing unless stop-positive is requested by the client or otherwise stated in the chain of custody (COC). Asbestos results are reliable within 2 significant figures.

Analysis Report generated by Atlas relates only to items tested and submitted on the COC and must not be used by clients to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any agency of the U.S Government. This report shall not be reproduced, except in full, without written approval of the laboratory. Conditions of samples upon receipt were acceptable unless otherwise stated.

**Liability Notice:** Atlas and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples.

**Confidentiality Notice:** The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above.

Laboratory Hours  
 Monday-Friday 8:00AM - 5:00PM  
 Same Day TAT Cut-Off Time: 1:30PM  
 After Hours Lab Opening Fee: \$300.00  
 Lab Emergency Contact: 845-729-3088



**0242503**

Atlas Anchorage Laboratory

## Form 102A ASBESTOS CHAIN OF CUSTODY

383 Industrial Way Suite 300 Anchorage, AK 99501 Phone: Front Office (907) 921-6014 / Lab (907) 921-6013  
 Email: Anchorage@oneatlas.com

|                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;"><u>Project Information</u></p> <p>Project Name <u>M/V Matanuska</u></p> <hr/> <p>Project No. <u>1518124021</u> No. of Samples <u>7</u></p> <p>Inspector/Cert No. <u>TBI4-1123-18674</u></p> <p>Collected By <u>Dylan Kiefer</u> Date <u>11/16/24</u></p> | <p style="text-align: center;"><u>TAT - Turnaround Time</u><br/>(Business Days)</p> <p>Walk-In Client    <input type="checkbox"/> SAME DAY    <input type="checkbox"/> NEXT DAY    <input type="checkbox"/> 5 DAY<br/> <small>(For Customers who Do Not Have an Account with Atlas)</small></p> <hr/> <p>Customer Account    <input checked="" type="checkbox"/> SAME DAY    <input type="checkbox"/> NEXT DAY    <input type="checkbox"/> 5 DAY<br/> <input type="checkbox"/> 2 DAY    <input type="checkbox"/> 3 DAY</p> <hr/> <p style="text-align: center;"><u>Method of Payment</u></p> <p><input checked="" type="checkbox"/> INVOICE ACCOUNT    <input type="checkbox"/> CREDIT CARD    <input type="checkbox"/> CHECK</p> |
| <p style="text-align: center;"><u>Client Information</u></p> <p>Atlas Client <u>Vigor Alaska</u></p> <p>Phone <u>907-225-7199</u></p> <p>Address <u>3801 Tongass Ave</u></p> <p>City <u>Ketchikan</u> State <u>AK</u> Zip <u>99901</u></p>                                              | <p style="text-align: center;"><u>Report</u></p> <p>Contact Name <u>Dylan Kiefer</u></p> <p>Phone Number <u>907-617-0885</u></p> <p>Email <u>Dylan.Kiefer@vigor.net</u></p> <p>*Verbal for RUSH TAT: Yes / No                      Phone Number:</p> <p>*Please Check for Stop Positive    <input type="checkbox"/></p>                                                                                                                                                                                                                                                                                                                                                                                                           |

MATRIX:  PLM Asbestos Bulk (EPA 600/R-93/116)     PCM AIR (NIOSH 7400)     TEM AIR     Other: \_\_\_\_\_

| HA  | SAMPLE # (ID) | SAMPLE LOCATION/DESCRIPTION                    | VOLUME(L)  | COLLECTION DATE |
|-----|---------------|------------------------------------------------|------------|-----------------|
| HA1 | 001           | EXAMPLE (Office Wall, Northwest Corner)        | NA / 1200L | MM/DD/YYYY      |
|     | MHP-001       | Cardeck stbd FR173 supply pipe insulation      | —          | 11/16/24        |
|     | MHP-002       | " " return pipe insulation                     | —          | 11/16/24        |
|     | MHP-003       | " " supply lower pipe insulation               | —          | 11/16/24        |
|     | MHP-004       | " " return lower pipe insulation               | —          | 11/16/24        |
|     | MHP-005       | Steering gear heater fwd corner pip insulation | —          | 11/16/24        |
|     | MHP-006       | " " supply pipe insulation                     | —          | 11/16/24        |
|     | MHP-007       | " " return pipe insulation                     | —          | 11/16/24        |

Comments: P.O. # 15KTN 222238

Samples Relinquished By (Please Sign): [Signature] Date: Nov-21-24 Time: \_\_\_\_\_ AM/PM

|                                                                                                                                                                          |                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Lab Use Only<br>Samples Received By: (Please Sign) <u>[Signature]</u>                                                                                                    | Date: <u>11/25/24</u> Time: <u>1:30</u> AM/PM |
| <input type="checkbox"/> Lab Opening Fee \$300 <input type="checkbox"/> Shipping Fee \$50 <input type="checkbox"/> Courier Fee \$75 <input type="checkbox"/> Other _____ |                                               |

\*Atlas May Reject Samples For One or More of the Following Reasons: Insufficient Material / Excessive Sample Size, Unsafe Packaging, Missing Sample IDs and/or Volumes, Incomplete COC and Any Other Required Information.  
 \*Turnaround Times Are Not Always Guaranteed and Depend on Sample Volume and Lab Capacity.