

07/01/2022  
Terry Kilian-Lewandowski  
133 East Thomas  
Wausau, WI 54401

SUBJECT: Vapor Sampling Results - Contaminants Not Detected  
PROPERTY: 133 East Thomas Street, Wausau, WI 54401; BRRTS #0237000273

Dear Terry Kilian-Lewandowski,

Included are the findings of a recent investigation conducted by Arcadis U.S. Inc. (Arcadis) on your property located at 133 East Thomas Street, Wausau, WI 54401.

As you are aware, this investigation was conducted because of the potential for contaminant vapors to be generated from groundwater leaving the nearby Former Wausau Motors property and the potential for these vapors to migrate through soil, accumulate beneath the foundation of your home, and possibly enter your indoor air. The contaminant of concern at the Former Wausau Motors property was trichloroethylene or TCE. The history of this site and the potential concerns to neighboring residents were described in detail in the original letter sent to your home. The former Wausau Motors site is currently used by 3M Company (3M) as a parking lot and rail car storage.

On 06/08/2022, Arcadis hired by 3M started collecting an indoor air sample in the basement of your building. This indoor air sample was collected the next day (06/09/2022) after 24 hours of sampling. On 06/09/2022 after collecting the indoor air sample, Arcadis installed a sub-slab vapor sampling port into the floor of your foundation. The sub-slab vapor sample was collected 2 hours after installation of the sampling port. The indoor air and sub-slab vapor samples were submitted to Eurofins Air Toxics LLC for laboratory analysis of four contaminants including TCE, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene and vinyl chloride.

**Your Test Results:**

Attached is a copy of the laboratory report for your sub-slab vapor and indoor air samples. The results of this round of sampling show that TCE and/or by-products were not detected. There does not appear to be a risk of TCE vapor entering your home from beneath the foundation at this time. In order to confirm the results, Arcadis will contact you to schedule another sampling visit in the near future.

Please feel free to contact me at 651-381-2583 if you have any questions about these results.

Sincerely,

Kevin Madson,  
3M Center, Bldg 224-5-W-17  
Maplewood, MN 55114  
651-381-2583

Copy: Matt Thompson; Phone: 715-492-2304  
Terry Kilian-Lewandowski



Wisconsin Department of Natural Resources  
P.O. Box 7921, Madison, WI 53707  
dnr.wi.gov, search "brownfield"



**Table 1**  
**Summary of Indoor Air and Sub-Slab Analytical Results**  
**133 East Thomas Street**  
**Wausau, WI**

|                          | Location ID                                      | North ROW<br>Thomas Street <sup>^</sup> | 133 East Thomas<br>Street |
|--------------------------|--|---|---------------------------|
|                          | Sample ID  | OA-1 (06082022)                         | IA-04B                    |
|                          | Sample Date                                      | 6/9/2022                                | 6/9/2022                  |
| Chemical Name            | Indoor Air VALs*<br>( $\mu\text{g}/\text{m}^3$ ) |   |                           |
| cis-1,2-Dichloroethene   | NL   | ND                                      | ND                        |
| trans-1,2-Dichloroethene | 180  | ND                                      | ND                        |
| Trichloroethene          | 8.8  | ND                                      | ND                        |
| Vinyl chloride           | 28   | ND                                      | ND                        |

|                          | Location ID                                     | 133 East Thomas<br>Street |
|--------------------------|---|---------------------------|
|                          | Sample ID                                       | SS-04                     |
|                          | Sample Date                                     | 6/9/2022                  |
| Chemical Name            | Sub-Slab RSLs**<br>( $\mu\text{g}/\text{m}^3$ ) |                           |
| cis-1,2-Dichloroethene   | NL  | ND                        |
| trans-1,2-Dichloroethene | 5800  | ND                        |
| Trichloroethene          | 290   | ND                        |
| Vinyl chloride           | 930   | ND                        |

**Acronyms and Abbreviations:**

|                      |  |
|----------------------|--|
| ID - Identification  | ROW - Right-of-way                                   |
| ND - Not Detected    | RSL - Risk Screening Level                           |
| NL - Not Listed      | $\mu\text{g}/\text{m}^3$ - microgram per cubic meter |
| RL - Reporting Limit | VAL - Vapor Action Levels                            |

\*WI Remediation and Redevelopment Residential Indoor Air Vapor Action Levels - February 2022

\*\*WI Remediation and Redevelopment Residential Sub-Slab Risk Screening Levels - February 2022

<sup>^</sup>North ROW of Thomas Street, Across from 127/129 East Thomas Street

6/23/2022

Amir Roghani  
Arcadis U.S., Inc.  
2464 Fortune Drive #170

Lexington KY 40509

Project Name: 3M Wausau  
Project #: 30130903.01  
Workorder #: 2206327A

Dear Amir Roghani

The following report includes the data for the above referenced project for sample(s) received on 6/10/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Brian Whittaker  
Project Manager

**WORK ORDER #: 2206327A**

Work Order Summary

|                        |  |                  |   |
|------------------------|--|------------------|---|
| <b>CLIENT:</b>         | Amir Roghani<br>Arcadis U.S., Inc.<br>2464 Fortune Drive #170<br>Lexington, KY 40509 | <b>BILL TO:</b>  | Accounts Payable<br>Arcadis U.S., Inc.<br>630 Plaza Drive<br>Suite 600<br>Highlands Ranch, CO 80129 |
| <b>PHONE:</b>          | 859-253-9036   | <b>P.O. #</b>    | 30130903.01   |
| <b>FAX:</b>            | (859) 253-9136   | <b>PROJECT #</b> | 30130903.01 3M Wausau   |
| <b>DATE RECEIVED:</b>  | 06/10/2022   | <b>CONTACT:</b>  | Brian Whittaker   |
| <b>DATE COMPLETED:</b> | 06/23/2022   |                  |   |

| <u>FRACTION #</u> | <u>NAME</u>     | <u>TEST</u>    | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|-----------------|----------------|-------------------------------|---------------------------|
| 01A               | OA-1 (06082022) | Modified TO-15 | 6.5 "Hg                       | 2 psi                     |
| 03A               | IA-04B          | Modified TO-15 | 6.0 "Hg                       | 2 psi                     |
| 06A               | Lab Blank       | Modified TO-15 | NA                            | NA                        |
| 07A               | CCV             | Modified TO-15 | NA                            | NA                        |
| 08A               | LCS             | Modified TO-15 | NA                            | NA                        |
| 08AA              | LCSD            | Modified TO-15 | NA                            | NA                        |

CERTIFIED BY:   
 \_\_\_\_\_  
 Technical Director

DATE: 06/23/22

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.

Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630  
 (916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**  
**Modified TO-15**  
**Arcadis U.S., Inc.**  
**Workorder# 2206327A**

Five 6 Liter Summa Canister (100% Cert Ambient) samples were received on June 10, 2022. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

| <i>Requirement</i>  | <i>TO-15</i>   | <i>ATL Modifications</i>   |
|---------------------|--|--|
| Initial Calibration | <math>\leq 30\%</math> RSD with 2 compounds allowed out to <math>< 40\%</math> RSD | <math>\leq 30\%</math> RSD with 4 compounds allowed out to <math>< 40\%</math> RSD |
| Blank and standards | Zero Air   | UHP Nitrogen provides a higher purity gas matrix than zero air                     |

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

There were no analytical discrepancies.

**Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds**  
**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: OA-1 (06082022)**

**Lab ID#: 2206327A-01A**

No Detections Were Found.

**Client Sample ID: IA-04B**

**Lab ID#: 2206327A-03A**

No Detections Were Found.

Client Sample ID: OA-1 (06082022)

Lab ID#: 2206327A-01A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

|                     |              |  |
|---------------------|--------------|--|
| <b>File Name:</b>   | 22062021 sim | <b>Date of Collection:</b> 6/9/22 9:00:00 AM |
| <b>Dil. Factor:</b> | 1.45         | <b>Date of Analysis:</b> 6/20/22 10:38 PM    |

| Compound                 | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|--------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride           | 0.14              | Not Detected  | 0.37               | Not Detected   |
| trans-1,2-Dichloroethene | 0.14              | Not Detected  | 0.57               | Not Detected   |
| cis-1,2-Dichloroethene   | 0.14              | Not Detected  | 0.57               | Not Detected   |
| Trichloroethene          | 0.14              | Not Detected  | 0.78               | Not Detected   |

**Container Type: 6 Liter Summa Canister (100% Cert Ambient)**

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 108       | 70-130        |
| Toluene-d8            | 109       | 70-130        |
| 4-Bromofluorobenzene  | 84        | 70-130        |

Client Sample ID: IA-04B

Lab ID#: 2206327A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |             |                     |                    |
|--------------|-------------|---------------------|--------------------|
| File Name:   | 22062024sim | Date of Collection: | 6/9/22 10:20:00 AM |
| Dil. Factor: | 1.42        | Date of Analysis:   | 6/21/22 12:35 AM   |

| Compound                 | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|--------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride           | 0.14              | Not Detected  | 0.36               | Not Detected   |
| trans-1,2-Dichloroethene | 0.14              | Not Detected  | 0.56               | Not Detected   |
| cis-1,2-Dichloroethene   | 0.14              | Not Detected  | 0.56               | Not Detected   |
| Trichloroethene          | 0.14              | Not Detected  | 0.76               | Not Detected   |

Container Type: 6 Liter Summa Canister (100% Cert Ambient)

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 108       | 70-130        |
| Toluene-d8            | 108       | 70-130        |
| 4-Bromofluorobenzene  | 86        | 70-130        |



Client Sample ID: Lab Blank

Lab ID#: 2206327A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |              |                     |                  |
|--------------|--------------|---------------------|------------------|
| File Name:   | 22062006sime | Date of Collection: | NA               |
| Dil. Factor: | 1.00         | Date of Analysis:   | 6/20/22 11:52 AM |

| Compound                 | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|--------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride           | 0.10              | Not Detected  | 0.26               | Not Detected   |
| trans-1,2-Dichloroethene | 0.10              | Not Detected  | 0.40               | Not Detected   |
| cis-1,2-Dichloroethene   | 0.10              | Not Detected  | 0.40               | Not Detected   |
| Trichloroethene          | 0.10              | Not Detected  | 0.54               | Not Detected   |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 110       | 70-130        |
| Toluene-d8            | 110       | 70-130        |
| 4-Bromofluorobenzene  | 84        | 70-130        |

Client Sample ID: CCV

Lab ID#: 2206327A-07A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

|                     |             |   |
|---------------------|-------------|---|
| <b>File Name:</b>   | 22062002sim | <b>Date of Collection:</b> NA             |
| <b>Dil. Factor:</b> | 1.00        | <b>Date of Analysis:</b> 6/20/22 08:36 AM |

| Compound                 | %Recovery |
|--------------------------|-----------|
| Vinyl Chloride           | 90        |
| trans-1,2-Dichloroethene | 88        |
| cis-1,2-Dichloroethene   | 98        |
| Trichloroethene          | 120       |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 107       | 70-130        |
| Toluene-d8            | 126       | 70-130        |
| 4-Bromofluorobenzene  | 101       | 70-130        |

Client Sample ID: LCS

Lab ID#: 2206327A-08A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

|                     |             |   |
|---------------------|-------------|---|
| <b>File Name:</b>   | 22062003sim | <b>Date of Collection:</b> NA             |
| <b>Dil. Factor:</b> | 1.00        | <b>Date of Analysis:</b> 6/20/22 09:26 AM |

| <b>Compound</b>          | <b>%Recovery</b> | <b>Method Limits</b> |
|--------------------------|------------------|----------------------|
| Vinyl Chloride           | 91               | 70-130               |
| trans-1,2-Dichloroethene | 86               | 70-130               |
| cis-1,2-Dichloroethene   | 95               | 70-130               |
| Trichloroethene          | 115              | 70-130               |

**Container Type: NA - Not Applicable**

| <b>Surrogates</b>     | <b>%Recovery</b> | <b>Method Limits</b> |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 107              | 70-130               |
| Toluene-d8            | 124              | 70-130               |
| 4-Bromofluorobenzene  | 100              | 70-130               |

Client Sample ID: LCSD

Lab ID#: 2206327A-08AA

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

|                     |             |   |
|---------------------|-------------|---|
| <b>File Name:</b>   | 22062004sim | <b>Date of Collection:</b> NA             |
| <b>Dil. Factor:</b> | 1.00        | <b>Date of Analysis:</b> 6/20/22 10:15 AM |

| <b>Compound</b>          | <b>%Recovery</b> | <b>Method Limits</b> |
|--------------------------|------------------|----------------------|
| Vinyl Chloride           | 91               | 70-130               |
| trans-1,2-Dichloroethene | 86               | 70-130               |
| cis-1,2-Dichloroethene   | 96               | 70-130               |
| Trichloroethene          | 114              | 70-130               |

**Container Type: NA - Not Applicable**

| <b>Surrogates</b>     | <b>%Recovery</b> | <b>Method Limits</b> |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 107              | 70-130               |
| Toluene-d8            | 123              | 70-130               |
| 4-Bromofluorobenzene  | 100              | 70-130               |

6/23/2022

Amir Roghani  
Arcadis U.S., Inc.  
2464 Fortune Drive #170

Lexington KY 40509

Project Name: 3M Wausau  
Project #: 30130903.01  
Workorder #: 2206327B

Dear Amir Roghani

The following report includes the data for the above referenced project for sample(s) received on 6/10/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Brian Whittaker  
Project Manager

**WORK ORDER #: 2206327B**

Work Order Summary

|                        |  |                  |   |
|------------------------|--|------------------|---|
| <b>CLIENT:</b>         | Amir Roghani<br>Arcadis U.S., Inc.<br>2464 Fortune Drive #170<br>Lexington, KY 40509 | <b>BILL TO:</b>  | Accounts Payable<br>Arcadis U.S., Inc.<br>630 Plaza Drive<br>Suite 600<br>Highlands Ranch, CO 80129 |
| <b>PHONE:</b>          | 859-253-9036   | <b>P.O. #</b>    | 30130903.01   |
| <b>FAX:</b>            | (859) 253-9136   | <b>PROJECT #</b> | 30130903.01 3M Wausau   |
| <b>DATE RECEIVED:</b>  | 06/10/2022   | <b>CONTACT:</b>  | Brian Whittaker   |
| <b>DATE COMPLETED:</b> | 06/20/2022   |                  |   |

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u> | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|-------------|-------------|-------------------------------|---------------------------|
| 07A               | SS-04       | TO-15       | 6.9 "Hg                       | 9.9 psi                   |
| 09A               | Lab Blank   | TO-15       | NA                            | NA                        |
| 10A               | CCV         | TO-15       | NA                            | NA                        |
| 11A               | LCS         | TO-15       | NA                            | NA                        |
| 11AA              | LCSD        | TO-15       | NA                            | NA                        |

CERTIFIED BY:   
 \_\_\_\_\_  
 Technical Director

DATE: 06/23/22

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)  
 Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.

Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630  
 (916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**  
**EPA Method TO-15**  
**Arcadis U.S., Inc.**  
**Workorder# 2206327B**

Three 1 Liter Summa Canister samples were received on June 10, 2022. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

There were no analytical discrepancies.

**Definition of Data Qualifying Flags**

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



Air Toxics

**Summary of Detected Compounds  
EPA METHOD TO-15 GC/MS**

**Client Sample ID: SS-04**

**Lab ID#: 2206327B-07A**

No Detections Were Found.



Client Sample ID: SS-04

Lab ID#: 2206327B-07A

EPA METHOD TO-15 GC/MS

|              |         |                     |                   |
|--------------|---------|---------------------|-------------------|
| File Name:   | p061818 | Date of Collection: | 6/9/22 1:33:00 PM |
| Dil. Factor: | 2.17    | Date of Analysis:   | 6/19/22 12:55 AM  |

| Compound                 | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|--------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride           | 1.1               | Not Detected  | 2.8                | Not Detected   |
| cis-1,2-Dichloroethene   | 1.1               | Not Detected  | 4.3                | Not Detected   |
| Trichloroethene          | 1.1               | Not Detected  | 5.8                | Not Detected   |
| trans-1,2-Dichloroethene | 1.1               | Not Detected  | 4.3                | Not Detected   |

Container Type: 1 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 102       | 70-130        |
| Toluene-d8            | 102       | 70-130        |
| 4-Bromofluorobenzene  | 108       | 70-130        |



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2206327B-09A

EPA METHOD TO-15 GC/MS

|              |          |                     |                  |
|--------------|----------|---------------------|------------------|
| File Name:   | p061805d | Date of Collection: | NA               |
| Dil. Factor: | 1.00     | Date of Analysis:   | 6/18/22 04:10 PM |

| Compound                 | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|--------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride           | 0.50              | Not Detected  | 1.3                | Not Detected   |
| cis-1,2-Dichloroethene   | 0.50              | Not Detected  | 2.0                | Not Detected   |
| Trichloroethene          | 0.50              | Not Detected  | 2.7                | Not Detected   |
| trans-1,2-Dichloroethene | 0.50              | Not Detected  | 2.0                | Not Detected   |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 101       | 70-130        |
| Toluene-d8            | 98        | 70-130        |
| 4-Bromofluorobenzene  | 104       | 70-130        |

Client Sample ID: CCV

Lab ID#: 2206327B-10A

EPA METHOD TO-15 GC/MS

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | p061802 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 6/18/22 02:30 PM |

| Compound                 | %Recovery |
|--------------------------|-----------|
| Vinyl Chloride           | 88        |
| cis-1,2-Dichloroethene   | 104       |
| Trichloroethene          | 98        |
| trans-1,2-Dichloroethene | 97        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 105       | 70-130        |
| Toluene-d8            | 100       | 70-130        |
| 4-Bromofluorobenzene  | 106       | 70-130        |

Client Sample ID: LCS

Lab ID#: 2206327B-11A

EPA METHOD TO-15 GC/MS

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | p061803 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 6/18/22 02:58 PM |

| Compound                 | %Recovery | Method Limits |
|--------------------------|-----------|---------------|
| Vinyl Chloride           | 98        | 70-130        |
| cis-1,2-Dichloroethene   | 113       | 70-130        |
| Trichloroethene          | 105       | 70-130        |
| trans-1,2-Dichloroethene | 104       | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 106       | 70-130        |
| Toluene-d8            | 102       | 70-130        |
| 4-Bromofluorobenzene  | 106       | 70-130        |

Client Sample ID: LCSD

Lab ID#: 2206327B-11AA

EPA METHOD TO-15 GC/MS

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | p061804 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 6/18/22 03:27 PM |

| Compound                 | %Recovery | Method Limits |
|--------------------------|-----------|---------------|
| Vinyl Chloride           | 97        | 70-130        |
| cis-1,2-Dichloroethene   | 113       | 70-130        |
| Trichloroethene          | 108       | 70-130        |
| trans-1,2-Dichloroethene | 107       | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 104       | 70-130        |
| Toluene-d8            | 101       | 70-130        |
| 4-Bromofluorobenzene  | 106       | 70-130        |