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May 15, 2023

Mr. Josh Peters On-Scene Coordinator U.S. Environmental Protection Agency, Region 5 Superfund and Emergency Management Division 2565 Plymouth Road Ann Arbor, MI 48105

# Subject: Data Validation Report E Palestine Site - ER EPA Contract No.: 68HE0519D0005 Task Order/Task Order Line Item No.: 68HE0520F0032/0001EB201 Document Tracking No. 1833

Dear Mr. Peters:

Tetra Tech, Inc. (Tetra Tech) is submitting this data validation report for thirty five air samples collected at the E Palestine Site. The samples were collected on March 20, 2023 and were analyzed for 2-Ethylhexyl Acrylate and n-Butyl Acrylate by method IHGC-P029 (IH9805) by Eurofins Analytics Ashland, Virginia. The final laboratory data package was received on May 3, 2023.

Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 4* (August 2022), and the *National Functional Guidelines (NFG) for Organic Superfund Methods Data Review* (November 2020).

No rejection of results was required for this data package, except that two samples were analyzed that had recorded "pump fault" on the chain of custody; thus, the volume of air collected is unknown and those results should be disregarded as noted in the attached documentation. The results may be used as qualified based on the findings of this validation effort. If you have any questions regarding this data validation report, please feel free to contact me.

Sincerely,

Bruce Welch Date: 2023.05.15 19:13:02 -05'00'

Enclosure

 cc: Karl Schultz, Tetra Tech Program Manager Dustin Grams, Tetra Tech Project Manager Mayra ArroyoOrtiz, Tetra Tech Project Document Control Coordinator TO-TOLIN File

# ATTACHMENT

# DATA VALIDATION REPORT EUROFINS ANALYTICS REPORT NOS. B081-011 AND B081-012

| Site Name             | E Palestine Site - ER                                                   |  | TO/TOLIN No. | 68HE0520F0032/0001EB201             |  |  |
|-----------------------|-------------------------------------------------------------------------|--|--------------|-------------------------------------|--|--|
| Document Tracking No. | DTN 1833a                                                               |  | TO/TOLIN NO. |                                     |  |  |
| Laboratory Report No. | B081-011                                                                |  | Laboratory   | Eurofins Analytics, LLC, Ashland VA |  |  |
| Analyses              | 2-Ethylhexyl Acrylate and n-Butyl Acrylate by method IHGC-P029 (IH9805) |  |              |                                     |  |  |
| Samples and Matrix    | Seventeen (17) Air Samples                                              |  |              |                                     |  |  |
| Collection Date(s)    | 03/20/2023                                                              |  |              |                                     |  |  |
| Field Duplicate Pairs | NA                                                                      |  |              |                                     |  |  |
| Field QC Blanks       | EPD-ST-FB-032023-1                                                      |  |              |                                     |  |  |

#### INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 4* (August 2022), and the EPA *National Functional Guidelines (NFG) for Organic Superfund Methods Data Review* (November 2020).

#### **OVERALL EVALUATION**

No rejection of results was required for this data package; except that two samples (EPD-ST-WA-31-032023-1 and EPD-ST-WA-6-032023-1) were analyzed that were identified in the chain of custody (COC) as having "Pump Fault". The results for these two samples should be disregarded; all other results may be used as qualified based on the findings of this validation effort.

#### Data completeness:

| Within<br>Criteria | Evceedance/Notes                                                                  |  |
|--------------------|-----------------------------------------------------------------------------------|--|
| Y                  | Level II SDG did not have required QC forms thus a level IV package was reviewed. |  |
|                    |                                                                                   |  |

#### Sample preservation, receipt, and holding times:

| Withi<br>Criter | Exceedance/Notes                                                                                                                                                         |  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Y               | There were samples present on the COC, with remarks stating "PUMP FAULT." Results for these samples may be disregarded: EPD-ST-WA-06-032023-1 and EPD-ST-WA-03-032023-2. |  |



# Method blanks: Exceedance/Notes Y Y Field blanks: Exceedance/Notes Within Exceedance/Notes Y Surrogates and labeled compounds: Within Exceedance/Notes Y Surrogates and labeled compounds:

# MS/MSDs:

NA

| MS/MSDS            | ··               |
|--------------------|------------------|
| Within<br>Criteria | Exceedance/Notes |
| NA                 |                  |

#### Laboratory duplicates:

| Within<br>Criteria | Exceedance/Notes |
|--------------------|------------------|
| NA                 |                  |

#### Field duplicates:

| Within<br>Criteria | Exceedance/Notes |
|--------------------|------------------|
| NA                 |                  |



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| LCSs/LCS          | Ds:                     |
|-------------------|-------------------------|
| Within            | Exceedance/Notes        |
| Criteria          | Exceedance/Notes        |
| Y                 |                         |
|                   |                         |
| Sample dil        | utions:                 |
| Within            |                         |
| Criteria          | Exceedance/Notes        |
| NA                |                         |
|                   |                         |
| <b>Re-extract</b> | ion and reanalysis:     |
| Within            | Encodera (Nicker        |
| Criteria          | Exceedance/Notes        |
| NA                |                         |
|                   |                         |
| MDLs/RL           | s:                      |
| Within            | Exceedance/Notes        |
| Criteria          | Exceedance/notes        |
| Y                 |                         |
|                   |                         |
| Tentativel        | y identified compounds: |
| Within            |                         |
| Criteria          | Exceedance/Notes        |
| NA                |                         |
|                   |                         |
| Other [spe        | cify]:                  |
| Within            |                         |

| Within<br>Criteria | Exceedance/Notes |
|--------------------|------------------|
| NA                 |                  |



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#### **Overall Qualifications:**

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

| J   | The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.                   |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------|
| J+  | The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased  |
| 3   | high.                                                                                                                                        |
| J-  | The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased  |
| J-  | low.                                                                                                                                         |
| NJ  | The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value is the approximate         |
| INJ | concentration of the analyte in the sample.                                                                                                  |
| R   | The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be |
| K   | present in the sample.                                                                                                                       |
| U   | The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).                                       |
| UJ  | The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due   |
| ŰĴ  | to deficiencies in one or more quality control criteria.                                                                                     |
| NF  | The tentatively identified compound was manually searched for but was not found in the sample.                                               |
|     |                                                                                                                                              |



#### E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY EUROFINS ANALYTICS REPORT NO. B081-011

| Sample_ID                | Method             | CAS#     | Analyte               | Lab_ | _Result Lab_ | Qual MDL R | RL.   | Units VAL | _Result VAL | _Qual |
|--------------------------|--------------------|----------|-----------------------|------|--------------|------------|-------|-----------|-------------|-------|
| EPD-ST-8H-DW-01-032023-1 | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.019 U      |            | 0.019 | ppm       | 0.019 U     |       |
| EPD-ST-8H-DW-01-032023-1 | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.013 U      | (          | 0.013 | ppm       | 0.013 U     |       |
| EPD-ST-8H-WA-04-032023-1 | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.018 U      | (          | 0.018 | ppm       | 0.018 U     |       |
| EPD-ST-8H-WA-04-032023-1 | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.012 U      | (          | 0.012 | ppm       | 0.012 U     |       |
| EPD-ST-DW-01-032023-1    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.027 U      |            | 0.027 | ppm       | 0.027 U     |       |
| EPD-ST-DW-01-032023-1    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.018 U      | (          | 0.018 | ppm       | 0.018 U     |       |
| EPD-ST-DW-01-032023-2    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.028 U      | (          | 0.028 | ppm       | 0.028 U     |       |
| EPD-ST-DW-01-032023-2    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.019 U      | (          | 0.019 | ppm       | 0.019 U     |       |
| EPD-ST-FB-032023-1       | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 2.8 U        |            | 2.8   | ug        | 2.8 U       |       |
| EPD-ST-FB-032023-1       | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 1.3 U        |            | 1.3   | ug        | 1.3 U       |       |
| EPD-ST-UW-01-032023-1    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.029 U      | (          | 0.029 | ppm       | 0.029 U     |       |
| EPD-ST-UW-01-032023-1    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.019 U      |            | 0.019 | ppm       | 0.019 U     |       |
| EPD-ST-UW-01-032023-2    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.027 U      | (          | 0.027 | ppm       | 0.027 U     |       |
| EPD-ST-UW-01-032023-2    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.018 U      | (          | 0.018 | ppm       | 0.018 U     |       |
| EPD-ST-WA-01-032023-1    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.035 U      | (          | 0.035 | ppm       | 0.035 U     |       |
| EPD-ST-WA-01-032023-1    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.024 U      |            | 0.024 | ppm       | 0.024 U     |       |
| EPD-ST-WA-01-032023-2    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.028 U      | (          | 0.028 | ppm       | 0.028 U     |       |
| EPD-ST-WA-01-032023-2    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.019 U      |            | 0.019 | ppm       | 0.019 U     |       |
| EPD-ST-WA-02-032023-1    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.026 U      | (          | 0.026 | ppm       | 0.026 U     |       |
| EPD-ST-WA-02-032023-1    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.017 U      | (          | 0.017 | ppm       | 0.017 U     |       |
| EPD-ST-WA-02-032023-2    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.029 U      | (          | 0.029 | ppm       | 0.029 U     |       |
| EPD-ST-WA-02-032023-2    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.019 U      |            | 0.019 | ppm       | 0.019 U     |       |
| EPD-ST-WA-03-032023-1    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.027 U      | (          | 0.027 | ppm       | 0.027 U     |       |
| EPD-ST-WA-03-032023-1    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.018 U      |            | 0.018 | ppm       | 0.018 U     |       |
| EPD-ST-WA-04-032023-1    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.03 U       |            | 0.03  | ppm       | 0.030 U     |       |
| EPD-ST-WA-04-032023-1    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.02 U       |            | 0.02  | ppm       | 0.020 U     |       |
| EPD-ST-WA-04-032023-2    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.028 U      | (          | 0.028 | ppm       | 0.028 U     |       |
| EPD-ST-WA-04-032023-2    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.019 U      |            | 0.019 | ppm       | 0.019 U     |       |
| EPD-ST-WA-05-032023-1    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.028 U      | (          | 0.028 | ppm       | 0.028 U     |       |
| EPD-ST-WA-05-032023-1    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.019 U      |            | 0.019 | ppm       | 0.019 U     |       |
| EPD-ST-WA-05-032023-2    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.028 U      |            | 0.028 | ppm       | 0.028 U     |       |
| EPD-ST-WA-05-032023-2    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.019 U      |            | 0.019 | ppm       | 0.019 U     |       |
| EPD-ST-WA-06-032023-2    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate |      | 0.029 U      |            | 0.029 | ppm       | 0.029 U     |       |
| EPD-ST-WA-06-032023-2    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      |      | 0.019 U      | (          | 0.019 | ppm       | 0.019 U     |       |

| Site Name             | E Palestine Site - ER                                                   |  | TO/TOLIN No. | 68HE0520F0032/0001EB201<br>Eurofins Analytics, LLC, Ashland VA |  |  |
|-----------------------|-------------------------------------------------------------------------|--|--------------|----------------------------------------------------------------|--|--|
| Document Tracking No. | DTN 1833b                                                               |  | TO/TOLIN NO. |                                                                |  |  |
| Laboratory Report No. | B081-012                                                                |  | Laboratory   |                                                                |  |  |
| Analyses              | 2-Ethylhexyl Acrylate and n-Butyl Acrylate by method IHGC-P029 (IH9805) |  |              |                                                                |  |  |
| Samples and Matrix    | Eighteen (18) Air Samples                                               |  |              |                                                                |  |  |
| Collection Date(s)    | 03/20/2023                                                              |  |              |                                                                |  |  |
| Field Duplicate Pairs | NA                                                                      |  |              |                                                                |  |  |
| Field QC Blanks       | nks EPD-ST-FB-032023-2                                                  |  |              |                                                                |  |  |

#### INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 4* (August 2022), and the EPA *National Functional Guidelines (NFG) for Organic Superfund Methods Data Review* (November 2020).

#### **OVERALL EVALUATION**

No rejection of results was required for this data package. The results may be used as qualified based on the findings of this validation effort.

| Data comp          | Data completeness:                                                                |  |  |  |
|--------------------|-----------------------------------------------------------------------------------|--|--|--|
| Within<br>Criteria | Exceedance/Notes                                                                  |  |  |  |
| Y                  | Level II SDG did not have required QC forms thus a level IV package was reviewed. |  |  |  |



#### Sample preservation, receipt, and holding times:

| Within<br>Criteria | Exceedance/Notes                 |                                     |                                |  |  |  |  |
|--------------------|----------------------------------|-------------------------------------|--------------------------------|--|--|--|--|
|                    | The following sample IDs were co | prrected in the EDD and results sur | nmary table during validation: |  |  |  |  |
| Y                  | Incorrect Sample ID              | Correct Sample ID                   |                                |  |  |  |  |
|                    | EPD-ST-UW-01-0322023-4           | EPD-ST-UW-01-032023-4               |                                |  |  |  |  |
|                    | EPD-ST-WA-01-0322023-3           | EPD-ST-WA-01-032023-3               |                                |  |  |  |  |

#### Method blanks:

| Within<br>Criteria | Exceedance/Notes |
|--------------------|------------------|
| Y                  |                  |

## Field blanks:

| Within<br>Criteria | Exceedance/Notes |  |  |  |
|--------------------|------------------|--|--|--|
| Y                  |                  |  |  |  |

#### Surrogates and labeled compounds:

| Within<br>Criteria | Exceedance/Indies |
|--------------------|-------------------|
| NA                 |                   |

## MS/MSDs:

| Within<br>Criteria | Exceedance/Notes |
|--------------------|------------------|
| NA                 |                  |



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| Laboratory duplicates:        |                  |  |  |  |  |
|-------------------------------|------------------|--|--|--|--|
| Within                        | Exceedance/Notes |  |  |  |  |
| Criteria                      | Excetuance/Notes |  |  |  |  |
| NA                            |                  |  |  |  |  |
|                               |                  |  |  |  |  |
| Field dupli                   | icates:          |  |  |  |  |
| Within                        | Exceedance/Notes |  |  |  |  |
| Criteria                      | Excetuance/Notes |  |  |  |  |
| NA                            |                  |  |  |  |  |
|                               |                  |  |  |  |  |
| LCSs/LCS                      | Ds:              |  |  |  |  |
| Within                        | Exceedance/Notes |  |  |  |  |
| Criteria                      | Exceedance/Notes |  |  |  |  |
| Y                             |                  |  |  |  |  |
|                               |                  |  |  |  |  |
| Sample dil                    | utions:          |  |  |  |  |
| Within                        | Exceedance/Notes |  |  |  |  |
| Criteria                      | DACCOUNCE/10005  |  |  |  |  |
| NA                            |                  |  |  |  |  |
|                               |                  |  |  |  |  |
| Re-extraction and reanalysis: |                  |  |  |  |  |
| Within                        | Exceedance/Notes |  |  |  |  |
| Criteria                      | Excention        |  |  |  |  |
| NA                            |                  |  |  |  |  |

#### MDLs/RLs:

| Within<br>Criteria | Exceedance/Notes |
|--------------------|------------------|
| Y                  |                  |



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#### Tentatively identified compounds:

| Within<br>Criteria | Exceedance/Notes |
|--------------------|------------------|
| NA                 |                  |

#### Other [specify]:

| Within<br>Criteria | Exceedance/Notes |
|--------------------|------------------|
| NA                 |                  |

#### **Overall Qualifications:**

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

| J  | The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.                                                                          |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| J+ | The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.                                                   |
| J- | The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.                                                    |
| NJ | The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value is the approximate concentration of the analyte in the sample.                    |
| R  | The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.                                 |
| U  | The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).                                                                                              |
| UJ | The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria. |
| NF | The tentatively identified compound was manually searched for but was not found in the sample.                                                                                                      |



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#### E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY EUROFINS ANALYTICS REPORT NO. B081-012

| Sample_ID                | Method             | CAS#     | Analyte               | Lab_Result Lab_Qual MDL | RL    | Units VAL_ | Result VAL_Qual |
|--------------------------|--------------------|----------|-----------------------|-------------------------|-------|------------|-----------------|
| EPD-ST-8H-WA-03-032023-2 | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.019 U                 | 0.019 | ppm        | 0.019 U         |
| EPD-ST-8H-WA-03-032023-2 | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.013 U                 | 0.013 | ppm        | 0.013 U         |
| EPD-ST-DW-01-032023-3    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.027 U                 | 0.027 | ppm        | 0.027 U         |
| EPD-ST-DW-01-032023-3    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.018 U                 | 0.018 | ppm        | 0.018 U         |
| EPD-ST-DW-01-032023-4    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.031 U                 | 0.031 | ppm        | 0.031 U         |
| EPD-ST-DW-01-032023-4    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.021 U                 | 0.021 | ppm        | 0.021 U         |
| EPD-ST-FB-032023-2       | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 2.8 U                   | 2.8   | ug         | 2.8 U           |
| EPD-ST-FB-032023-2       | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 1.3 U                   | 1.3   | ug         | 1.3 U           |
| EPD-ST-UW-01-032023-3    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.027 U                 | 0.027 | ppm        | 0.027 U         |
| EPD-ST-UW-01-032023-3    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.018 U                 | 0.018 | ppm        | 0.018 U         |
| EPD-ST-UW-01-032023-4    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.03 U                  | 0.03  | ppm        | 0.030 U         |
| EPD-ST-UW-01-032023-4    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.02 U                  | 0.02  | ppm        | 0.020 U         |
| EPD-ST-WA-01-032023-4    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.03 U                  | 0.03  | ppm        | 0.030 U         |
| EPD-ST-WA-01-032023-4    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.02 U                  | 0.02  | ppm        | 0.020 U         |
| EPD-ST-WA-01-032023-3    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.027 U                 | 0.027 | ppm        | 0.027 U         |
| EPD-ST-WA-01-032023-3    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.018 U                 | 0.018 | ppm        | 0.018 U         |
| EPD-ST-WA-02-032023-3    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.03 U                  | 0.03  | ppm        | 0.030 U         |
| EPD-ST-WA-02-032023-3    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.02 U                  | 0.02  | ppm        | 0.020 U         |
| EPD-ST-WA-02-032023-4    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.035 U                 | 0.035 | ppm        | 0.035 U         |
| EPD-ST-WA-02-032023-4    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.023 U                 | 0.023 | ppm        | 0.023 U         |
| EPD-ST-WA-03-032023-3    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.026 U                 | 0.026 | ppm        | 0.026 U         |
| EPD-ST-WA-03-032023-3    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.017 U                 | 0.017 | ppm        | 0.017 U         |
| EPD-ST-WA-03-032023-4    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.031 U                 | 0.031 | ppm        | 0.031 U         |
| EPD-ST-WA-03-032023-4    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.02 U                  | 0.02  | ppm        | 0.020 U         |
| EPD-ST-WA-04-032023-3    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.03 U                  | 0.03  | ppm        | 0.030 U         |
| EPD-ST-WA-04-032023-3    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.02 U                  | 0.02  | ppm        | 0.020 U         |
| EPD-ST-WA-04-032023-4    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.03 U                  | 0.03  | ppm        | 0.030 U         |
| EPD-ST-WA-04-032023-4    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.02 U                  | 0.02  | ppm        | 0.020 U         |
| EPD-ST-WA-05-032023-3    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.026 U                 | 0.026 | ppm        | 0.026 U         |
| EPD-ST-WA-05-032023-3    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.017 U                 | 0.017 | ppm        | 0.017 U         |
| EPD-ST-WA-05-032023-4    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.032 U                 | 0.032 | ppm        | 0.032 U         |
| EPD-ST-WA-05-032023-4    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.022 U                 | 0.022 | ppm        | 0.022 U         |
| EPD-ST-WA-06-032023-3    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.027 U                 | 0.027 | ppm        | 0.027 U         |
| EPD-ST-WA-06-032023-3    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.018 U                 | 0.018 | ppm        | 0.018 U         |
| EPD-ST-WA-06-032023-4    | Rohm & Haas IH9805 | 103-11-7 | 2-Ethylhexyl acrylate | 0.031 U                 | 0.031 | ppm        | 0.031 U         |
| EPD-ST-WA-06-032023-4    | Rohm & Haas IH9805 | 141-32-2 | n-Butyl acrylate      | 0.02 U                  | 0.02  | ppm        | 0.020 U         |