TETRA TECH

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May 8, 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 Reports**
E Palestine Site - ER
EPA Contract No.: 68HE0519D0005
Task Order/Task Order Line Item No.: 68HE0520F0032/0001EB201
Document Tracking No. 1806

Dear Mr. Peters:

Tetra Tech, Inc. (Tetra Tech) is submitting these data validation reports for seventy five air samples collected at the E Palestine Site. The samples were collected on March 14, 15, and 16, 2023, and were analyzed for acrylates by Eurofins Analytics of Ashland, Virginia. The final laboratory data package was received on April 21, 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. 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,

Shanna M Vasser
Digitally signed by Shanna M Vasser
Date: 2023.05.08 17:32:05 -04'00'

Shanna Vasser, PE
Civil Engineer

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

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ATTACHMENT

DATA VALIDATION REPORTS
EUROFINS ANALYTICS REPORT NOS.
B074-042, B074-044, B075-015, B075-042 & B076-180

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/0001EB201
Document Tracking No.	1806a		
Laboratory Report No.	B074-042	Laboratory	Eurofins Analytics, LLC, Ashland VA
Analyses	2-Ethylhexyl acrylate and n-butyl acrylate by laboratory standard operating procedure (SOP) IHGC-P029		
Samples and Matrix	Nine air samples		
Collection Date(s)	03/14/2023		
Field Duplicate Pairs	None		
Field QC Blanks	EPD-ST-FB-031423-2		

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 completeness:

Within Criteria	Exceedance/Notes
Y	Level II data package did not have required QC forms; thus a level IV package was reviewed. The results for the field blank were reported in units of micrograms (µg) while the other sample results were reported in units of µg, milligram per cubic meter (mg/m^3), and parts per million (ppm) (volume) in the laboratory report and only ppm in the electronic data deliverable (EDD). The laboratory report included the following note: "The method reference, Rohn & Haas IH9805 is referenced to the AIHA certification as IHGC-P029" and "Rohn & Haas IH9805" is listed on the EDD and qualified data table as the Method.

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
N	Nine samples were reported. The other twenty eight nine samples listed on the chain of custody (COC) were reported in other data packages. EPD-ST-8H-WA-04-031423-1 was incorrectly labeled on the sample bag as EPD-ST-8H-WA-04-031423-**2**. The sample ID was updated to match the COC. No qualification applied. Two of the samples were labeled EPD-ST-WA-05-031423-2. Tube IDs were used to resolve this issue. No qualification applied. EPD-ST-FB-031423-2 was missing the last "2" on the sample label. Sample was matched using sample time, and sample ID was updated to match the COC.

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	LCS percent recoveries were not reported correctly in the EDD. The LCSD results were not present in the EDD. These values were added to the EDD manually during validation to be consistent with the laboratory report. No qualification applied.

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Method detection limits were not reported. Non-detect sample results are reported as less than the reporting limit in the laboratory report and at the reporting limit (flagged U) in the EDD and attached qualified data table.

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within 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.

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
EUROFINS ANALYTICS REPORT NO. B074-042

Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	VAL_Result	VAL_Qual
EPD-ST-8H-WA-04-031423-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.012	U		0.012	ppm	0.012	U
EPD-ST-8H-WA-04-031423-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.008	U		0.008	ppm	0.008	U
EPD-ST-DW-01-031423-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029	U		0.029	ppm	0.029	U
EPD-ST-DW-01-031423-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-FB-031423-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	2.8	U		2.8	ug	2.8	U
EPD-ST-FB-031423-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	1.3	U		1.3	ug	1.3	U
EPD-ST-WA-01-031423-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-01-031423-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-WA-02-031423-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-02-031423-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-WA-03-031423-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-03-031423-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-04-031423-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.027	U		0.027	ppm	0.027	U
EPD-ST-WA-04-031423-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.018	U		0.018	ppm	0.018	U
EPD-ST-WA-05-031423-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-05-031423-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-WA-06-031423-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-06-031423-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/0001EB201
Document Tracking No.	1806b		
Laboratory Report No.	B074-044	Laboratory	Eurofins Analytics, LLC, Ashland VA
Analyses	2-Ethylhexyl acrylate and n-butyl acrylate by laboratory standard operating procedure (SOP) IHGC-P029		
Samples and Matrix	Eight air samples		
Collection Date(s)	03/14/2023		
Field Duplicate Pairs	None		
Field QC Blanks	None		

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 completeness:

Within Criteria	Exceedance/Notes
Y	Level II data package did not have required QC forms; thus a level IV package was reviewed. The results for the sample results were reported in units of micrograms (µg), milligram per cubic meter (mg/m^3), and parts per million (ppm) (volume) in the laboratory report and only ppm in the electronic data deliverable (EDD). The laboratory report included the following note: "The method reference, Rohn & Haas IH9805 is referenced to the AIHA certification as IHGC-P029" and "Rohn & Haas IH9805" is listed on the EDD and qualified data table as the Method.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	Eight samples were reported. The other twenty nine samples listed on the COC were reported in other data packages. Sample EPD-ST-WA-03-031423-4 was incorrectly listed on the chain of custody (COC) as EPD-ST-WA-03-031423-**2**. After clarification (see email chain attached to the laboratory report), the laboratory correctly reported this sample as EPD-ST-WA-03-031423-4. EPD-ST-UW-01-031423-4 sample bag was incorrectly labeled "EPD-ST-**8H**-UW-01-031423-4". The laboratory report followed sample ID on COC and omitted the errorant "8H".

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	LCS percent recoveries were not reported correctly in the EDD. The LCSD results were not present in the EDD. These values were added to the EDD manually during validation to be consistent with the laboratory report. No qualification applied.

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Method detection limits were not reported. Non-detect sample results are reported as less than the reporting limit in the laboratory report and at the reporting limit (flagged U) in the EDD and attached qualified data table.

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within 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.

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
EUROFINS ANALYTICS REPORT NO. B074-044

Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
EPD-ST-DW-01-031423-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-DW-01-031423-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-UW-01-031423-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.032	U		0.032	ppm	0.032	U
EPD-ST-UW-01-031423-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-WA-01-031423-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-01-031423-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-WA-02-031423-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.033	U		0.033	ppm	0.033	U
EPD-ST-WA-02-031423-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.022	U		0.022	ppm	0.022	U
EPD-ST-WA-03-031423-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.037	U		0.037	ppm	0.037	U
EPD-ST-WA-03-031423-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.025	U		0.025	ppm	0.025	U
EPD-ST-WA-04-031423-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.03	U		0.03	ppm	0.03	U
EPD-ST-WA-04-031423-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-05-031423-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.034	U		0.034	ppm	0.034	U
EPD-ST-WA-05-031423-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.023	U		0.023	ppm	0.023	U
EPD-ST-WA-06-031423-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.033	U		0.033	ppm	0.033	U
EPD-ST-WA-06-031423-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.022	U		0.022	ppm	0.022	U

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/0001EB201
Document Tracking No.	1806c		
Laboratory Report No.	B075-015	Laboratory	Eurofins Analytics, LLC, Ashland VA
Analyses	2-Ethylhexyl acrylate and n-butyl acrylate by laboratory standard operating procedure (SOP) IHGC-P029		
Samples and Matrix	Twenty air samples, including two field blanks		
Collection Date(s)	03/15/2023		
Field Duplicate Pairs	None		
Field QC Blanks	EPD-ST-FB-031523-1 and EPD-ST-FB-031523-2		

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 completeness:

Within Criteria	Exceedance/Notes
Y	Level II data package did not have required QC forms; thus a level IV package was reviewed. The results for the field blanks were reported in units of micrograms (µg) while the other sample results were reported in units of µg, milligram per cubic meter (mg/m^3), and parts per million (ppm) (volume) in the laboratory report and only ppm in the electronic data deliverable (EDD). The laboratory report included the following note: "The method reference, Rohn & Haas IH9805 is referenced to the AIHA certification as IHGC-P029" and "Rohn & Haas IH9805" is listed on the EDD and qualified data table as the Method.

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	Sample IDs were truncated in the laboratory report and were missing the final "1" or "2". The sample IDs were corrected in the EDD and analytical results summary table. EPD-ST-UW-01-031523-2 was incorrectly reported as EPD-ST-UW-0**5**-031523-2 in the laboratory report and EDD. The sample ID was updated during validation to match the chain of custody.

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	LCS results were incorrectly reported in the EDD. The LCSD results were not present in the EDD. These values were added to the EDD manually during validation to be consistent with the laboratory report. No qualification applied.

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Method detection limits were not reported. Non-detect sample results are reported as less than the reporting limit in the laboratory report and at the reporting limit (flagged U) in the EDD and attached qualified data table.

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within 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.

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
EUROFINS ANALYTICS REPORT NO. B075-015

Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	VAL_Result	VAL_Qual
EPD-ST-8H-DW-01-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.016	U		0.016	ppm	0.016	U
EPD-ST-8H-DW-01-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.011	U		0.011	ppm	0.011	U
EPD-ST-8H-WA-04-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.018	U		0.018	ppm	0.018	U
EPD-ST-8H-WA-04-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.012	U		0.012	ppm	0.012	U
EPD-ST-DW-01-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-DW-01-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-DW-01-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.027	U		0.027	ppm	0.027	U
EPD-ST-DW-01-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.018	U		0.018	ppm	0.018	U
EPD-ST-FB-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	2.8	U		2.8	ug	2.8	U
EPD-ST-FB-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	1.3	U		1.3	ug	1.3	U
EPD-ST-FB-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	2.8	U		2.8	ug	2.8	U
EPD-ST-FB-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	1.3	U		1.3	ug	1.3	U
EPD-ST-UW-01-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-UW-01-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-UW-01-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-UW-01-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.018	U		0.018	ppm	0.018	U
EPD-ST-WA-01-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.027	U		0.027	ppm	0.027	U
EPD-ST-WA-01-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.018	U		0.018	ppm	0.018	U
EPD-ST-WA-01-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029	U		0.029	ppm	0.029	U
EPD-ST-WA-01-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-WA-02-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029	U		0.029	ppm	0.029	U
EPD-ST-WA-02-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-WA-02-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.03	U		0.03	ppm	0.03	U
EPD-ST-WA-02-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-03-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.03	U		0.03	ppm	0.03	U
EPD-ST-WA-03-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-03-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029	U		0.029	ppm	0.029	U
EPD-ST-WA-03-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-04-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029	U		0.029	ppm	0.029	U
EPD-ST-WA-04-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-WA-04-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-04-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
EUROFINS ANALYTICS REPORT NO. B075-015

Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	VAL_Result	VAL_Qual
EPD-ST-WA-05-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029	U		0.029	ppm	0.029	U
EPD-ST-WA-05-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-05-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029	U		0.029	ppm	0.029	U
EPD-ST-WA-05-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-06-031523-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.027	U		0.027	ppm	0.027	U
EPD-ST-WA-06-031523-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.018	U		0.018	ppm	0.018	U
EPD-ST-WA-06-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-06-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/0001EB201
Document Tracking No.	1806d		
Laboratory Report No.	B075-042	Laboratory	Eurofins Analytics, LLC, Ashland VA
Analyses	2-Ethylhexyl acrylate and n-butyl acrylate by laboratory standard operating procedure (SOP) IHGC-P029		
Samples and Matrix	Eighteen air samples		
Collection Date(s)	03/15/2023		
Field Duplicate Pairs	None		
Field QC Blanks	None		

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 completeness:

Within Criteria	Exceedance/Notes
Y	Level II data package did not have required QC forms; thus a level IV package was reviewed. The results for the sample results were reported in units of micrograms (µg), milligram per cubic meter (mg/m^3), and parts per million (ppm) (volume) in the laboratory report and only ppm in the electronic data deliverable (EDD). The laboratory report included the following note: "The method reference, Rohn & Haas IH9805 is referenced to the AIHA certification as IHGC-P029" and "Rohn & Haas IH9805" is listed on the EDD and qualified data table as the Method.

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	LCS results were incorrectly reported in the EDD. The LCSD results were not present in the EDD. These values were added to the EDD manually during validation to be consistent with the laboratory report. No qualification applied.

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Method detection limits were not reported. Non-detect sample results are reported as less than the reporting limit in the laboratory report and at the reporting limit (flagged U) in the EDD and attached qualified data table.

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within 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.

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
EUROFINS ANALYTICS REPORT NO. B075-042

Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	VAL_Result	VAL_Qual
EPD-ST-8H-DW-01-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-8H-DW-01-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.013	U		0.013	ppm	0.013	U
EPD-ST-8H-WA-02-031523-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-8H-WA-02-031523-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.014	U		0.014	ppm	0.014	U
EPD-ST-DW-01-031523-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.032	U		0.032	ppm	0.032	U
EPD-ST-DW-01-031523-3	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.022	U		0.022	ppm	0.022	U
EPD-ST-DW-01-031523-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-DW-01-031523-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-UW-01-031523-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.036	U		0.036	ppm	0.036	U
EPD-ST-UW-01-031523-3	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.024	U		0.024	ppm	0.024	U
EPD-ST-UW-01-031523-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-UW-01-031523-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-01-031523-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-01-031523-3	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-WA-01-031523-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-01-031523-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-WA-02-031523-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-02-031523-3	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-02-031523-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.03	U		0.03	ppm	0.03	U
EPD-ST-WA-02-031523-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-03-031523-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-03-031523-3	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-WA-03-031523-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.03	U		0.03	ppm	0.03	U
EPD-ST-WA-03-031523-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-04-031523-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.03	U		0.03	ppm	0.03	U
EPD-ST-WA-04-031523-3	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-04-031523-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.03	U		0.03	ppm	0.03	U
EPD-ST-WA-04-031523-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-05-031523-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-05-031523-3	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-WA-05-031523-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-05-031523-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-WA-06-031523-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.033	U		0.033	ppm	0.033	U

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
EUROFINS ANALYTICS REPORT NO. B075-042

Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	VAL_Result	VAL_Qual
EPD-ST-WA-06-031523-3	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.022	U		0.022	ppm	0.022	U
EPD-ST-WA-06-031523-4	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-06-031523-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/0001EB201
Document Tracking No.	1806e		
Laboratory Report No.	B076-180	Laboratory	Eurofins Analytics, LLC, Ashland VA
Analyses	2-Ethylhexyl acrylate and n-butyl acrylate by laboratory standard operating procedure (SOP) IHGC-P029		
Samples and Matrix	Twenty air samples, including two field blanks		
Collection Date(s)	03/16/2023		
Field Duplicate Pairs	None		
Field QC Blanks	EPD-ST-FB-031623-1 and EPD-ST-FB-031623-2		

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 completeness:

Within Criteria	Exceedance/Notes
Y	Report amended (March 31, 2023) to include signed chain of custody (COC). Level II data package did not have required QC forms; thus a level IV package was reviewed. The results for the field blanks were reported in units of micrograms (µg) while the other sample results were reported in units of µg, milligram per cubic meter (mg/m^3), and parts per million (ppm) (volume) in the laboratory report and only ppm in the electronic data deliverable (EDD). The laboratory report included the following note: "The method reference, Rohn & Haas IH9805 is referenced to the AIHA certification as IHGC-P029" and "Rohn & Haas IH9805" is listed on the EDD and qualified data table as the Method.

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	EPD-ST-WA-04-031623-2 was incorrectly reported as EPD-ST-EA-04-031623-2 in the laboratory report and EDD. The sample ID was manually updated during validation to match the COC. No qualification applied.

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	LCS percent recoveries were not reported correctly in the EDD. The LCSD results were not present in the EDD. These values were added to the EDD manually during validation to be consistent with the laboratory report. No qualification applied.

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Method detection limits were not reported. Non-detect sample results are reported as less than the reporting limit in the laboratory report and at the reporting limit (flagged U) in the EDD and attached qualified data table.

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within 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.

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
EUROFINS ANALYTICS REPORT NO. B076-180

Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	VAL_Result	VAL_Qual
EPD-ST-8H-DW-01-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.017	U		0.017	ppm	0.017	U
EPD-ST-8H-DW-01-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.011	U		0.011	ppm	0.011	U
EPD-ST-8H-WA-02-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.017	U		0.017	ppm	0.017	U
EPD-ST-8H-WA-02-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.011	U		0.011	ppm	0.011	U
EPD-ST-DW-01-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029	U		0.029	ppm	0.029	U
EPD-ST-DW-01-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-DW-01-031623-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-DW-01-031623-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-FB-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	2.8	U		2.8	ug	2.8	U
EPD-ST-FB-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	1.3	U		1.3	ug	1.3	U
EPD-ST-FB-031623-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	2.8	U		2.8	ug	2.8	U
EPD-ST-FB-031623-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	1.3	U		1.3	ug	1.3	U
EPD-ST-UW-01-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-UW-01-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-UW-01-031623-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.027	U		0.027	ppm	0.027	U
EPD-ST-UW-01-031623-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.018	U		0.018	ppm	0.018	U
EPD-ST-WA-01-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-01-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.018	U		0.018	ppm	0.018	U
EPD-ST-WA-01-031623-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-01-031623-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-WA-02-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029	U		0.029	ppm	0.029	U
EPD-ST-WA-02-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-WA-02-031623-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-02-031623-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-WA-03-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.03	U		0.03	ppm	0.03	U
EPD-ST-WA-03-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-03-031623-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-03-031623-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-WA-04-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-04-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U
EPD-ST-WA-04-031623-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-04-031623-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U

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Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	VAL_Result	VAL_Qual
EPD-ST-WA-05-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.027	U		0.027	ppm	0.027	U
EPD-ST-WA-05-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.018	U		0.018	ppm	0.018	U
EPD-ST-WA-05-031623-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031	U		0.031	ppm	0.031	U
EPD-ST-WA-05-031623-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.021	U		0.021	ppm	0.021	U
EPD-ST-WA-06-031623-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.03	U		0.03	ppm	0.03	U
EPD-ST-WA-06-031623-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02	U		0.02	ppm	0.02	U
EPD-ST-WA-06-031623-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028	U		0.028	ppm	0.028	U
EPD-ST-WA-06-031623-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019	U		0.019	ppm	0.019	U