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May 4, 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. 1800

Dear Mr. Peters:

Tetra Tech, Inc. (Tetra Tech) is submitting these data validation reports for seventy air samples collected at the E Palestine Site. The samples were collected on March 10, 11, and 12, 2023, and were analyzed for acrylates by Eurofins Analytics. The final laboratory data package was received on April 20, 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 Vasser

Digitally signed by Shanna M

Date: 2023.05.04 23:49:38 -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

ATTACHMENT

DATA VALIDATION REPORTS EUROFINS ANALYTICS REPORT NOS. B072-109, B073-169 AND B073-190

Site Name E Palestine Site - ER		TO/TOLIN No.	68HE0520F0032/0001EB201
Document Tracking No. 1800a		TO/TOLIN No.	08HEU32UFUU32/UUU1EB2U1
Laboratory Report No. B072-109		Laboratory	Eurofins Analytics, LLC, Ashland VA
Analyses 2-Ethylhexyl acrylate and n-butyl acrylate by laboratory standard operating procedure (SOP) IHGC-P029		l operating procedure (SOP) IHGC-P029	
Samples and Matrix	Samples and Matrix Eight air samples		
Collection Date(s)	Collection Date(s) 03/10/2023		
Field Duplicate Pairs	Field Duplicate Pairs None		
Field QC Blanks	Field QC Blanks EPD-ST-FB-031023		

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
	Sample EPD-ST-DW-01-031023-1 was cancelled due to pump failure. Level II data package did not have require QC forms; thus a level IV package was reviewed.
Y	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.



Sample preservation, receipt, and holding times: Within Exceedance/Notes Criteria Y Method blanks: Within Exceedance/Notes Criteria Y Field blanks: Within Exceedance/Notes Criteria Y **Surrogates and labeled compounds:** Within Exceedance/Notes Criteria NA MS/MSDs: Within Exceedance/Notes Criteria NA

Laboratory duplicates:

٠ .	ithin iteria	Exceedance/Notes
	NA	



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Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Η ΥΡΦΦΑΙΘΝΡΙΦΕ
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
113	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
01	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. B072-109

Sample_ID	Method	CAS#	Analyte	Lab_Result Lab_Qual	MDL RL	Units VA	L_Result VAL_Qual
EPD-ST-FB-031023	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	2.8 U	2.8	ug	2.8 U
EPD-ST-FB-031023	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	1.3 U	1.3	ug	1.3 U
EPD-ST-UW-01-031023-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.014 U	0.014	ppm	0.014 U
EPD-ST-UW-01-031023-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.009 U	0.009	ppm	0.0090 U
EPD-ST-WA-01-031023-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.014 U	0.014	ppm	0.014 U
EPD-ST-WA-01-031023-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.009 U	0.009	ppm	0.0090 U
EPD-ST-WA-02-031023-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.016 U	0.016	ppm	0.016 U
EPD-ST-WA-02-031023-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.01 U	0.01	ppm	0.010 U
EPD-ST-WA-03-031023-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.013 U	0.013	ppm	0.013 U
EPD-ST-WA-03-031023-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.009 U	0.009	ppm	0.0090 U
EPD-ST-WA-04-031023-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.012 U	0.012	ppm	0.012 U
EPD-ST-WA-04-031023-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.008 U	0.008	ppm	0.0080 U
EPD-ST-WA-05-031023-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.012 U	0.012	ppm	0.012 U
EPD-ST-WA-05-031023-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.008 U	0.008	ppm	0.0080 U
EPD-ST-WA-06-031023-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.013 U	0.013	ppm	0.013 U
EPD-ST-WA-06-031023-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.009 U	0.009	ppm	0.0090 U

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/0001EB201	
Document Tracking No.	1800b	TO/TOLIN No.	08HEU32UFUU32/UU01EB2U1	
Laboratory Report No.	B073-169	Laboratory	Eurofins Analytics, LLC, Ashland VA	
Analyses	2-Ethylhexyl acrylate and n-butyl acrylate by a laboratory standard operating procedure (SOP) IHGC-P029			
Samples and Matrix	Twenty-six air samples			
Collection Date(s)	03/11/2023			
Field Duplicate Pairs	None			
Field QC Blanks	EPD-ST-FB-031123			

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
	Sample EPD-ST-WA-02-031123-1 was cancelled due to pump failure.
	Report amended (03/21/23) with recalculated air volumes for samples EPD-ST-8H-DW-01-031123-1 and EPD-ST-8H-WA-02-031123-1.
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).



Data completeness (continued):

Within Criteria	Exceedance/Notes
Y	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	

Method blanks:

Within Criteria	Ε ΥΡΦΟΙΑΝΙΚΟ
Y	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Kyceedance/Notes
NA	



Labora	torv	dun	licat	es:

Within Criteria	Hycadanca/Natas
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	EXCEPTION FOR THE PROPERTY OF
Y	

Sample dilutions:

Within Criteria	R.Y.CEPOINCE/INOTES
NA	

Re-extraction and reanalysis:

Within Criteria	H VCQQQQQQCQ/NQTQC
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	
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
J	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
143	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
IX	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
UJ	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. B073-169

Sample_ID	Method	CAS#	Analyte	Lab_Result Lab_Qual	MDL RL	Units VAL	_Result VAL_Qual
EPD-ST-8H-DW-01-031123-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.018 U	0.018	ppm	0.018 U
EPD-ST-8H-DW-01-031123-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.012 U	0.012	ppm	0.012 U
EPD-ST-8H-WA-02-031123-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.012 U	0.012	ppm	0.012 U
EPD-ST-8H-WA-02-031123-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.008 U	0.008	ppm	0.008 U
EPD-ST-DW-01-031123-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.013 U	0.013	ppm	0.013 U
EPD-ST-DW-01-031123-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.009 U	0.009	ppm	0.009 U
EPD-ST-DW-01-031123-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.024 U	0.024	ppm	0.024 U
EPD-ST-DW-01-031123-2	Rohm & Haas IH9805		n-Butyl acrylate	0.016 U	0.016		0.016 U
EPD-ST-DW-01-031123-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.02 U	0.02	ppm	0.02 U
EPD-ST-DW-01-031123-3	Rohm & Haas IH9805		n-Butyl acrylate	0.014 U	0.014	ppm	0.014 U
EPD-ST-FB-031123	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	2.8 U	2.8	ug	2.8 U
EPD-ST-FB-031123	Rohm & Haas IH9805		n-Butyl acrylate	1.3 U	1.3	ug	1.3 U
EPD-ST-UW-01-031123-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.011 U	0.011		0.011 U
EPD-ST-UW-01-031123-1	Rohm & Haas IH9805		n-Butyl acrylate	0.007 U	0.007		0.007 U
EPD-ST-UW-01-031123-2	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.025 U	0.025		0.025 U
EPD-ST-UW-01-031123-2	Rohm & Haas IH9805		n-Butyl acrylate	0.016 U	0.016		0.016 U
EPD-ST-UW-01-031123-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.021 U	0.021		0.021 U
EPD-ST-UW-01-031123-3	Rohm & Haas IH9805		n-Butyl acrylate	0.014 U	0.014		0.014 U
EPD-ST-WA-01-031123-1	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.013 U	0.013	• • • • • • • • • • • • • • • • • • • •	0.013 U
EPD-ST-WA-01-031123-1	Rohm & Haas IH9805		n-Butyl acrylate	0.008 U	0.008		0.008 U
EPD-ST-WA-01-031123-2	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.022 U	0.022		0.022 U
EPD-ST-WA-01-031123-2	Rohm & Haas IH9805		n-Butyl acrylate	0.015 U	0.015		0.015 U
EPD-ST-WA-01-031123-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.016 U	0.016		0.016 U
EPD-ST-WA-01-031123-3	Rohm & Haas IH9805		n-Butyl acrylate	0.011 U	0.011		0.011 U
EPD-ST-WA-02-031123-2	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.023 U	0.023		0.023 U
EPD-ST-WA-02-031123-2	Rohm & Haas IH9805		n-Butyl acrylate	0.015 U	0.015		0.015 U
EPD-ST-WA-02-031123-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.02 U		ppm	0.02 U
EPD-ST-WA-02-031123-3	Rohm & Haas IH9805		n-Butyl acrylate	0.013 U	0.013		0.013 U
EPD-ST-WA-03-031123-1	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.013 U	0.013		0.013 U
EPD-ST-WA-03-031123-1	Rohm & Haas IH9805		n-Butyl acrylate	0.009 U	0.009		0.009 U
EPD-ST-WA-03-031123-2	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.028 U	0.028		0.028 U
EPD-ST-WA-03-031123-2	Rohm & Haas IH9805		n-Butyl acrylate	0.018 U	0.018		0.018 U
EPD-ST-WA-03-031123-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.027 U	0.027		0.027 U
EPD-ST-WA-03-031123-3	Rohm & Haas IH9805		n-Butyl acrylate	0.018 U	0.018		0.018 U
EPD-ST-WA-04-031123-1	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.013 U	0.013		0.013 U
EPD-ST-WA-04-031123-1	Rohm & Haas IH9805		n-Butyl acrylate	0.009 U		ppm	0.009 U
EPD-ST-WA-04-031123-2	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.024 U	0.024		0.024 U
EPD-ST-WA-04-031123-2	Rohm & Haas IH9805		n-Butyl acrylate	0.016 U	0.016		0.016 U
EPD-ST-WA-04-031123-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.018 U	0.018	• • • • • • • • • • • • • • • • • • • •	0.018 U
EPD-ST-WA-04-031123-3	Rohm & Haas IH9805		n-Butyl acrylate	0.012 U	0.012		0.012 U
EPD-ST-WA-05-031123-1	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.014 U	0.014		0.014 U
EPD-ST-WA-05-031123-1	Rohm & Haas IH9805		n-Butyl acrylate	0.009 U	0.009		0.009 U
EPD-ST-WA-05-031123-2			2-Ethylhexyl acrylate	0.026 U	0.026		0.026 U
EPD-ST-WA-05-031123-2	Rohm & Haas IH9805		n-Butyl acrylate	0.017 U	0.017		0.017 U
EPD-ST-WA-05-031123-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.022 U	0.022		0.022 U
EPD-ST-WA-05-031123-3	Rohm & Haas IH9805		n-Butyl acrylate	0.015 U	0.015		0.015 U
EPD-ST-WA-06-031123-1	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.012 U	0.012	<u> </u>	0.013 U
EPD-ST-WA-06-031123-1	Rohm & Haas IH9805		n-Butyl acrylate	0.008 U	0.008		0.008 U
EPD-ST-WA-06-031123-2	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.024 U	0.024		0.024 U
EPD-ST-WA-06-031123-2	Rohm & Haas IH9805		n-Butyl acrylate	0.016 U	0.016		0.016 U
EPD-ST-WA-06-031123-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.022 U	0.022		0.022 U
EPD-ST-WA-06-031123-3	Rohm & Haas IH9805		n-Butyl acrylate	0.022 U	0.022		0.015 U
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Site Name	Site Name E Palestine Site - ER		N No	68HE0520F0032/0001EB201		
Document Tracking No.	1800c	10/10L1	TO/TOLIN No.	08HEU32UFU032/0001EB201		
Laboratory Report No.	B073-190	Laborator	y	Eurofins Analytics, LLC, Ashland VA		
Analyses	2-Ethylhexyl acrylate and n-butyl acrylate	analysis by lal	oratory stan	dard operating procedure (SOP) IHGC-P029		
Samples and Matrix	Thirty-six air samples					
Collection Date(s)	03/12/2023					
Field Duplicate Pairs	Field Duplicate Pairs None					
Field QC Blanks EPD-ST-FB-031223-1 and EPD-ST-FB-031223-2						

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
	Samples EPD-ST-WA-03-031223-2 and EPD-ST-UW-01-031223-4 were cancelled due to pump failures.
	Report amended (03/31/23) to correct one sample ID from EPD-ST-8H-DW-01-031223-2 to EPD-ST-8H-UW-01-031223-1.
Y	Level II data package did not have required QC forms thus a level IV package was reviewed.
	Lab receipt chain of custody (COC) form includes a duplicate EPD-ST-WA-03-031223-3 sample logged at 14:30 and EPD-ST-FB-031223-1 sample logged at 16:46. Field COC correctly logged a single EPD-ST-WA-03-031223-3 sample at 14:19 and EPD-ST-FB-031223-1 at 14:30.



Data completeness (continued):

Within Criteria	Exceedance/Notes
Y	The results for the field blank were reported in units of micrograms (μ g) while the other sample results were reported in units of μ g, milligram per cubic meter (mg/m³), 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	

Method blanks:

Within Criteria	H V C C C C C C C C C C C C C C C C C C
Y	

Field blanks:

Within Criteria	·
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	



MS/MSDs:		
Within		
Criteria	Exceedance/Notes	
NA		
Laboratory duplicates:		
Within	Exceedance/Notes	
Criteria	Exceedance/Notes	
NA		
Field duplicates:		
Within	Exceedance/Notes	
Criteria	Exceedance/Notes	
NA		
LCSs/LCSDs:		
Within	E	
Criteria	Exceedance/Notes	
Y		
Sample dilutions:		
Within	Exceedance/Notes	
Criteria	Exceedance/Notes	
NA		
	_	
Re-extraction and reanalysis:		
Within	Exceedance/Notes	
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	K Y C P C A A C C C C C C C C C C C C C C C
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
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
113	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
IX	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
OJ	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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Sample ID	Method	CAS#	Analyte	Lab Result Lab Q	ual MDL RL	Units V	AL Result VAL Qual
EPD-ST-8H-DW-01-031223-1	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.014 U	0.014		0.014 U
EPD-ST-8H-DW-01-031223-1	Rohm & Haas IH9805		n-Butyl acrylate	0.009 U	0.009	• •	0.009 U
EPD-ST-8H-UW-01-031223-1	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.012 U	0.012	•	0.012 U
EPD-ST-8H-UW-01-031223-1	Rohm & Haas IH9805		n-Butyl acrylate	0.008 U	0.008		0.008 U
EPD-ST-8H-WA-02-031223-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.012 U	0.012	ppm	0.012 U
EPD-ST-8H-WA-02-031223-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.008 U	0.008	ppm	0.008 U
EPD-ST-8H-WA-06-031223-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.016 U	0.016	ppm	0.016 U
EPD-ST-8H-WA-06-031223-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.011 U	0.011	ppm	0.011 U
EPD-ST-DW-01-031223-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.03 U	0.03	ppm	0.03 U
EPD-ST-DW-01-031223-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.02 U	0.02	ppm	0.02 U
EPD-ST-DW-01-031223-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029 U	0.029	ppm	0.029 U
EPD-ST-DW-01-031223-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019 U	0.019	ppm	0.019 U
EPD-ST-DW-01-031223-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.024 U	0.024	ppm	0.024 U
EPD-ST-DW-01-031223-3	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.016 U	0.016	ppm	0.016 U
EPD-ST-DW-01-031223-4	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.027 U	0.027	ppm	0.027 U
EPD-ST-DW-01-031223-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.018 U	0.018	ppm	0.018 U
EPD-ST-FB-031223-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	2.8 U	2.8	ug	2.8 U
EPD-ST-FB-031223-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	1.3 U	1.3		1.3 U
EPD-ST-FB-031223-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	2.8 U	2.8	ug	2.8 U
EPD-ST-FB-031223-2	Rohm & Haas IH9805		n-Butyl acrylate	1.3 U	1.3	ug	1.3 U
EPD-ST-UW-01-031223-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028 U	0.028	ppm	0.028 U
EPD-ST-UW-01-031223-1	Rohm & Haas IH9805		n-Butyl acrylate	0.019 U	0.019	ppm	0.019 U
EPD-ST-UW-01-031223-2	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.027 U	0.027	ppm	0.027 U
EPD-ST-UW-01-031223-2	Rohm & Haas IH9805		n-Butyl acrylate	0.018 U	0.018	• •	0.018 U
EPD-ST-UW-01-031223-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.027 U	0.027	ppm	0.027 U
EPD-ST-UW-01-031223-3	Rohm & Haas IH9805		n-Butyl acrylate	0.018 U	0.018	• • •	0.018 U
EPD-ST-WA-01-031223-1	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.028 U	0.028		0.028 U
EPD-ST-WA-01-031223-1	Rohm & Haas IH9805		n-Butyl acrylate	0.019 U	0.019	• •	0.019 U
EPD-ST-WA-01-031223-2	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.027 U	0.027		0.027 U
EPD-ST-WA-01-031223-2	Rohm & Haas IH9805		n-Butyl acrylate	0.018 U	0.018	• •	0.018 U
EPD-ST-WA-01-031223-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.028 U	0.028		0.028 U
EPD-ST-WA-01-031223-3	Rohm & Haas IH9805		n-Butyl acrylate	0.019 U	0.019		0.019 U
EPD-ST-WA-01-031223-4	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.024 U	0.024	• •	0.024 U
EPD-ST-WA-01-031223-4	Rohm & Haas III0805		n-Butyl acrylate	0.016 U	0.016		0.016 U
EPD-ST-WA-02-031223-1 EPD-ST-WA-02-031223-1	Rohm & Haas IH9805 Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.029 U 0.019 U	0.029 0.019		0.029 U 0.019 U
EPD-ST-WA-02-031223-2	Rohm & Haas IH9805		n-Butyl acrylate 2-Ethylhexyl acrylate	0.019 U	0.019		0.019 U
EPD-ST-WA-02-031223-2 EPD-ST-WA-02-031223-2	Rohm & Haas IH9805		n-Butyl acrylate	0.029 U	0.029	• •	0.029 U
EPD-ST-WA-02-031223-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.019 U	0.019		0.019 U
EPD-ST-WA-02-031223-3	Rohm & Haas IH9805		n-Butyl acrylate	0.02 U		ppm	0.029 U
EPD-ST-WA-02-031223-4	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.025 U	0.025		0.025 U
EPD-ST-WA-02-031223-4	Rohm & Haas IH9805		n-Butyl acrylate	0.017 U	0.023		0.023 U
EPD-ST-WA-03-031223-1	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.028 U	0.028		0.028 U
EPD-ST-WA-03-031223-1	Rohm & Haas IH9805		n-Butyl acrylate	0.019 U	0.019		0.019 U
EPD-ST-WA-03-031223-3	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.028 U	0.028	• •	0.028 U
EPD-ST-WA-03-031223-3	Rohm & Haas IH9805		n-Butyl acrylate	0.018 U	0.018		0.018 U
EPD-ST-WA-03-031223-4	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.027 U	0.027		0.027 U
EPD-ST-WA-03-031223-4	Rohm & Haas IH9805		n-Butyl acrylate	0.018 U	0.018		0.018 U
EPD-ST-WA-04-031223-1	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.029 U	0.029		0.029 U
EPD-ST-WA-04-031223-1	Rohm & Haas IH9805		n-Butyl acrylate	0.019 U	0.019		0.019 U
EPD-ST-WA-04-031223-2	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.026 U	0.026		0.026 U
EPD-ST-WA-04-031223-2	Rohm & Haas IH9805		n-Butyl acrylate	0.017 U	0.017		0.017 U
EPD-ST-WA-04-031223-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.031 U	0.031	ppm	0.031 U
EPD-ST-WA-04-031223-3	Rohm & Haas IH9805		n-Butyl acrylate	0.021 U	0.021		0.021 U
EPD-ST-WA-04-031223-4	Rohm & Haas IH9805		2-Ethylhexyl acrylate	0.027 U	0.027		0.027 U
EPD-ST-WA-04-031223-4	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.018 U	0.018		0.018 U
EPD-ST-WA-05-031223-1	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.028 U	0.028	ppm	0.028 U
EPD-ST-WA-05-031223-1	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019 U	0.019	ppm	0.019 U
EPD-ST-WA-05-031223-2	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.029 U	0.029	ppm	0.029 U
EPD-ST-WA-05-031223-2	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.019 U	0.019	ppm	0.019 U
EPD-ST-WA-05-031223-3	Rohm & Haas IH9805	103-11-7	2-Ethylhexyl acrylate	0.026 U	0.026	ppm	0.026 U
EPD-ST-WA-05-031223-3	Rohm & Haas IH9805	141-32-2	n-Butyl acrylate	0.017 U	0.017	ppm	0.017 U
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Sample_ID	Method	CAS#	Analyte	Lab_Result Lab_Qual MD	L RL	Units VAL_	Result VAL_Qual
EPD-ST-WA-05-031223-4	Rohm & Haas IH9805	103-11-7	7 2-Ethylhexyl acrylate	0.023 U	0.023	ppm	0.023 U
EPD-ST-WA-05-031223-4	Rohm & Haas IH9805	141-32-2	2 n-Butyl acrylate	0.016 U	0.016	ppm	0.016 U
EPD-ST-WA-06-031223-1	Rohm & Haas IH9805	103-11-7	7 2-Ethylhexyl acrylate	0.027 U	0.027	ppm ppm	0.027 U
EPD-ST-WA-06-031223-1	Rohm & Haas IH9805	141-32-2	2 n-Butyl acrylate	0.018 U	0.018	ppm	0.018 U
EPD-ST-WA-06-031223-2	Rohm & Haas IH9805	103-11-7	7 2-Ethylhexyl acrylate	0.031 U	0.031	. ppm	0.031 U
EPD-ST-WA-06-031223-2	Rohm & Haas IH9805	141-32-2	2 n-Butyl acrylate	0.021 U	0.021	. ppm	0.021 U
EPD-ST-WA-06-031223-3	Rohm & Haas IH9805	103-11-7	7 2-Ethylhexyl acrylate	0.025 U	0.025	ppm	0.025 U
EPD-ST-WA-06-031223-3	Rohm & Haas IH9805	141-32-2	2 n-Butyl acrylate	0.017 U	0.017	ppm ppm	0.017 U
EPD-ST-WA-06-031223-4	Rohm & Haas IH9805	103-11-7	7 2-Ethylhexyl acrylate	0.025 U	0.025	ppm	0.025 U
EPD-ST-WA-06-031223-4	Rohm & Haas IH9805	141-32-2	2 n-Butyl acrylate	0.017 U	0.017	ppm ppm	0.017 U