



December 19, 2023

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

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**Subject: Data Validation Report
E Palestine Site - ER
EPA Contract No.: 68HE0519D0005
Task Order/Task Order Line Item No.: 68HE0520F0032/0001EB201
Document Tracking No. 2369**

Dear Mr. Peters:

Tetra Tech, Inc. (Tetra Tech) is submitting this data validation report for seven air samples (including two field duplicate samples) collected at the E Palestine site. The samples were collected on November 8th, 2023, and were analyzed for volatile organic compounds by Eurofins Air Toxics, LLC in their Folsom California Laboratory. The final laboratory data package was received on December 12, 2023.

Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan East Palestine Train Derailment Site East Palestine, Addendum 4, Revision 0* (September 2023), the Tetra Tech *Quality Assurance Project Plan East Palestine Train Derailment Site East Palestine, Columbiana County, Ohio, Revision 3* (April 2023), 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 these data packages. 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 contact me via the project manager.

Sincerely,

Casey Cormier Digitally signed by Casey Cormier
Date: 2023.12.19 12:58:45 -05'00'

Environmental Chemist

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 AIR TOXICS, LLC REPORT NOS. 2311203A AND
2311203B**

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

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/0001EB201
Document Tracking No.	2369a		
Laboratory Report No.	2311203A	Laboratory	Eurofins Air Toxics, LLC – Folsom, CA
Analyses	Volatile organic compounds (VOC) by EPA method TO-15 in scan and selected ion monitoring (SIM) modes		
Samples and Matrix	Four air samples including one field duplicate pair		
Collection Date(s)	11/08/2023		
Field Duplicate Pairs	ADV-IA-01/20231108-ES / ADV-IA-01/20231108-ESD		
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 site-specific Tetra Tech *Quality Assurance Project Plan East Palestine Train Derailment Site East Palestine, Addendum 4, Revision 0* (September 2023), the Tetra Tech *Quality Assurance Project Plan East Palestine Train Derailment Site East Palestine, Columbiana County, Ohio, Revision 3* (April 2023), 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 this validation effort.

Data completeness:

Within Criteria	Exceedance/Notes
N	Laboratory control sample/laboratory control sample duplicate relative percent differences (RPD) were not provided in the Level II laboratory report. The lab provided the RPDs separately. No qualifications were applied. Three sub-slab air samples are included on the chain of custody form that were not reported by the laboratory. The sub-slab samples were reported in a separate laboratory package.

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

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
N	<p>The residual canister receipt vacuum values in the laboratory report were recorded as positive values. The laboratory was contacted and confirmed that all values are negative, even though the minus signs are missing, and that the laboratory uses the following convention for recording Summa canister vacuums and pressures: vacuums are recorded as positive values using the unit of inches of mercury ("Hg), and positive pressures are recorded using the unit pounds per square inch (psi). No qualifications were applied.</p> <p>The laboratory-measured residual vacuum for ADV-IA-10/20231108-ES was -10.2"Hg. This high residual vacuum means that the canister did not fill sufficiently, resulting in elevated reporting limits (RL) and method detection limits (MDL).</p>

Method blanks:

Within Criteria	Exceedance/Notes
N	<p>TO-15 SIM (2311203A-08B): Benzene and naphthalene were detected in the method blank (MB) at levels between the MDL and the RL. The naphthalene results in samples ADV-IA-01/20231108-ESD, ADV-IA-01/20231108-ES, and ADV-AM-S/20231108-ES were at levels between the MDLs and RLs; therefore, the sample results were raised to the RL and qualified as nondetect (flagged U). The remaining positive naphthalene and benzene sample results were greater than the RLs and greater than ten times the MB concentrations; therefore, no additional qualifications were applied.</p>

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
Y	

**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
Y	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	Canister dilution factors ranged from 1.37 to 1.66.

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	Detections between the MDL and RL were reported and qualified as estimated (flagged J) by the laboratory. Non-detect results are reported at the RL in the laboratory package, EDD, and data table attachment.

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [None]:

Within Criteria	Exceedance/Notes
NA	

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

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.
NF	The tentatively identified compound was manually searched for but was not found in the sample.
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.

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
EUROFINS AIR TOXICS, LLC REPORT NO. 2311203A

Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	VAL_Result	VAL_Qual
ADV-AM-S/20231108-ES	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.67	U	0.18	0.67	UG/M3	0.67	U
ADV-AM-S/20231108-ES	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	1.2	J	0.2	2	UG/M3	1.2	J
ADV-AM-S/20231108-ES	TO-15	98-82-8	CUMENE	0.67	U	0.25	0.67	UG/M3	0.67	U
ADV-AM-S/20231108-ES	TO-15	110-82-7	CYCLOHEXANE	2.4	U	0.46	2.4	UG/M3	2.4	U
ADV-AM-S/20231108-ES	TO-15 SIM	71-43-2	BENZENE	0.35		0.018	0.22	UG/M3	0.35	
ADV-AM-S/20231108-ES	TO-15 SIM	100-41-4	ETHYL BENZENE	0.16		0.026	0.12	UG/M3	0.16	
ADV-AM-S/20231108-ES	TO-15 SIM	179601-23-1	M,P-XYLENE	0.53		0.034	0.24	UG/M3	0.53	
ADV-AM-S/20231108-ES	TO-15 SIM	91-20-3	NAPHTHALENE	0.048	J	0.038	0.36	UG/M3	0.36	U
ADV-AM-S/20231108-ES	TO-15 SIM	95-47-6	O-XYLENE	0.25		0.035	0.12	UG/M3	0.25	
ADV-AM-S/20231108-ES	TO-15 SIM	108-88-3	TOLUENE	0.55		0.037	0.26	UG/M3	0.55	
ADV-AM-S/20231108-ES	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.035	U	0.014	0.035	UG/M3	0.035	U
ADV-IA-01/20231108-ES	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.72	U	0.19	0.72	UG/M3	0.72	U
ADV-IA-01/20231108-ES	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	0.64	J	0.22	2.2	UG/M3	0.64	J
ADV-IA-01/20231108-ES	TO-15	98-82-8	CUMENE	0.72	U	0.26	0.72	UG/M3	0.72	U
ADV-IA-01/20231108-ES	TO-15	110-82-7	CYCLOHEXANE	2.5	U	0.49	2.5	UG/M3	2.5	U
ADV-IA-01/20231108-ES	TO-15 SIM	71-43-2	BENZENE	0.4		0.019	0.23	UG/M3	0.40	
ADV-IA-01/20231108-ES	TO-15 SIM	100-41-4	ETHYL BENZENE	0.19		0.028	0.13	UG/M3	0.19	
ADV-IA-01/20231108-ES	TO-15 SIM	179601-23-1	M,P-XYLENE	0.62		0.036	0.26	UG/M3	0.62	
ADV-IA-01/20231108-ES	TO-15 SIM	91-20-3	NAPHTHALENE	0.055	J	0.041	0.38	UG/M3	0.38	U
ADV-IA-01/20231108-ES	TO-15 SIM	95-47-6	O-XYLENE	0.22		0.037	0.13	UG/M3	0.22	
ADV-IA-01/20231108-ES	TO-15 SIM	108-88-3	TOLUENE	0.88		0.039	0.28	UG/M3	0.88	
ADV-IA-01/20231108-ES	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.026	J	0.015	0.038	UG/M3	0.026	J
ADV-IA-01/20231108-ESD	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.74	U	0.2	0.74	UG/M3	0.74	U
ADV-IA-01/20231108-ESD	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	1.4	J	0.22	2.2	UG/M3	1.4	J
ADV-IA-01/20231108-ESD	TO-15	98-82-8	CUMENE	0.74	U	0.27	0.74	UG/M3	0.74	U
ADV-IA-01/20231108-ESD	TO-15	110-82-7	CYCLOHEXANE	2.6	U	0.5	2.6	UG/M3	2.6	U
ADV-IA-01/20231108-ESD	TO-15 SIM	71-43-2	BENZENE	0.3		0.019	0.24	UG/M3	0.30	
ADV-IA-01/20231108-ESD	TO-15 SIM	100-41-4	ETHYL BENZENE	0.15		0.028	0.13	UG/M3	0.15	
ADV-IA-01/20231108-ESD	TO-15 SIM	179601-23-1	M,P-XYLENE	0.51		0.037	0.26	UG/M3	0.51	
ADV-IA-01/20231108-ESD	TO-15 SIM	91-20-3	NAPHTHALENE	0.054	J	0.042	0.39	UG/M3	0.39	U
ADV-IA-01/20231108-ESD	TO-15 SIM	95-47-6	O-XYLENE	0.18		0.038	0.13	UG/M3	0.18	
ADV-IA-01/20231108-ESD	TO-15 SIM	108-88-3	TOLUENE	0.59		0.04	0.28	UG/M3	0.59	
ADV-IA-01/20231108-ESD	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.017	J	0.016	0.038	UG/M3	0.017	J
ADV-IA-10/20231108-ES	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	4.7		0.22	0.82	UG/M3	4.7	
ADV-IA-10/20231108-ES	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	1.1	J	0.24	2.4	UG/M3	1.1	J
ADV-IA-10/20231108-ES	TO-15	98-82-8	CUMENE	0.34	J	0.3	0.82	UG/M3	0.34	J
ADV-IA-10/20231108-ES	TO-15	110-82-7	CYCLOHEXANE	2.8	U	0.56	2.8	UG/M3	2.8	U
ADV-IA-10/20231108-ES	TO-15 SIM	71-43-2	BENZENE	1.3		0.021	0.26	UG/M3	1.3	

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
EUROFINS AIR TOXICS, LLC REPORT NO. 2311203A

Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	VAL_Result	VAL_Qual
ADV-IA-10/20231108-ES	TO-15 SIM	100-41-4	ETHYL BENZENE	1.7		0.032	0.14	UG/M3	1.7	
ADV-IA-10/20231108-ES	TO-15 SIM	179601-23-1	M,P-XYLENE	6.6		0.041	0.29	UG/M3	6.6	
ADV-IA-10/20231108-ES	TO-15 SIM	91-20-3	NAPHTHALENE	0.61		0.046	0.44	UG/M3	0.61	
ADV-IA-10/20231108-ES	TO-15 SIM	95-47-6	O-XYLENE	2.1		0.042	0.14	UG/M3	2.1	
ADV-IA-10/20231108-ES	TO-15 SIM	108-88-3	TOLUENE	2.3		0.044	0.31	UG/M3	2.3	
ADV-IA-10/20231108-ES	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.4		0.017	0.042	UG/M3	0.40	

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

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/0001EB201
Document Tracking No.	2369b		
Laboratory Report No.	2311203B	Laboratory	Eurofins Air Toxics, LLC – Folsom, CA
Analyses	Volatile organic compounds (VOCs) by EPA method TO-15 in scan mode		
Samples and Matrix	Three sub-slab air samples including one field duplicate pair		
Collection Date(s)	11/08/2023		
Field Duplicate Pairs	ADV-SS-01/20231108-ES / ADV-SS-01/20231108-ESD		
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 site-specific Tetra Tech *Quality Assurance Project Plan East Palestine Train Derailment Site East Palestine, Addendum 4, Revision 0* (September 2023), the Tetra Tech *Quality Assurance Project Plan East Palestine Train Derailment Site East Palestine, Columbiana County, Ohio, Revision 3* (April 2023), 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 this validation effort.

Data completeness:

Within Criteria	Exceedance/Notes
N	<p>Laboratory control sample/laboratory control sample duplicate relative percent differences (RPD) were not provided in the Level II laboratory report. The lab provided the RPDs separately. No qualifications were applied.</p> <p>A revised laboratory report was received on 12/7/2023 to correct the sample ID of sample ADV-SS-01/20231108-ESD.</p> <p>Four indoor and ambient air samples are included on the chain of custody form that were not reported in this package by the laboratory. The samples are reported in a separate laboratory package.</p>

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

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
N	<p>The residual canister receipt vacuum values in the laboratory report were recorded as positive values. The laboratory was contacted and confirmed that all values are negative, even though the minus signs are missing, and that the laboratory uses the following convention for recording Summa canister vacuums and pressures: vacuums are recorded as positive values using the unit of inches of mercury ("Hg), and positive pressures are recorded using the unit pounds per square inch (psi). No qualifications were applied.</p> <p>The laboratory-measured residual vacuum for samples ADV-SS-10/20231108-ES and ADV-SS-01/20231108-ES was -11.4"Hg and -11.2"Hg. This high residual vacuum means that the canister did not fill sufficiently, resulting in elevated reporting limits (RL) and method detection limits (MDL).</p>

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
Y	

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
N	ADV-SS-01/20231108-ES / ADV-SS-01/20231108-ESD: The absolute difference value for benzene exceeded the QAPP acceptance limit. Therefore, the benzene result in both samples were qualified as estimated (flagged J).

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	Canister dilution factors ranged from 1.61 to 1.80.

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	Detections between the method detection limit (MDL) and reporting limit (RL) were reported and qualified as estimated (flagged J) by the laboratory. Non-detect results are reported at the RL in the laboratory package, EDD, and validated data table attachment.

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [None]:

Within Criteria	Exceedance/Notes
NA	

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

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.
NF	The tentatively identified compound was manually searched for but was not found in the sample.
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.

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
EUROFINS AIR TOXICS, LLC REPORT NO. 2311203B

Sample_ID	Method	CAS#	Analyte	Lab_Result	Lab_Qual	MDL	RL	Units	VAL_Result	VAL_Qual
ADV-SS-01/20231108-ES	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	1.8		0.21	0.86	UG/M3	1.8	
ADV-SS-01/20231108-ES	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	11		0.44	10	UG/M3	11	
ADV-SS-01/20231108-ES	TO-15	71-43-2	BENZENE	1.6		0.051	0.56	UG/M3	1.6	J
ADV-SS-01/20231108-ES	TO-15	98-82-8	CUMENE	0.86	U	0.079	0.86	UG/M3	0.86	U
ADV-SS-01/20231108-ES	TO-15	110-82-7	CYCLOHEXANE	3	U	0.51	3	UG/M3	3.0	U
ADV-SS-01/20231108-ES	TO-15	100-41-4	ETHYL BENZENE	0.84		0.14	0.76	UG/M3	0.84	
ADV-SS-01/20231108-ES	TO-15	179601-23-1	M,P-XYLENE	5.1		0.16	0.76	UG/M3	5.1	
ADV-SS-01/20231108-ES	TO-15	91-20-3	NAPHTHALENE	0.55	J	0.16	1.8	UG/M3	0.55	J
ADV-SS-01/20231108-ES	TO-15	95-47-6	O-XYLENE	1.4		0.16	0.76	UG/M3	1.4	
ADV-SS-01/20231108-ES	TO-15	108-88-3	TOLUENE	4.8	J	0.058	6.6	UG/M3	4.8	J
ADV-SS-01/20231108-ES	TO-15	75-01-4	VINYL CHLORIDE	0.45	U	0.062	0.45	UG/M3	0.45	U
ADV-SS-01/20231108-ESD	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	1.8		0.19	0.79	UG/M3	1.8	
ADV-SS-01/20231108-ESD	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	9.9		0.41	9.5	UG/M3	9.9	
ADV-SS-01/20231108-ESD	TO-15	71-43-2	BENZENE	0.43	J	0.047	0.51	UG/M3	0.43	J
ADV-SS-01/20231108-ESD	TO-15	98-82-8	CUMENE	0.79	U	0.073	0.79	UG/M3	0.79	U
ADV-SS-01/20231108-ESD	TO-15	110-82-7	CYCLOHEXANE	2.8	U	0.47	2.8	UG/M3	2.8	U
ADV-SS-01/20231108-ESD	TO-15	100-41-4	ETHYL BENZENE	0.73		0.13	0.7	UG/M3	0.73	
ADV-SS-01/20231108-ESD	TO-15	179601-23-1	M,P-XYLENE	5		0.14	0.7	UG/M3	5.0	
ADV-SS-01/20231108-ESD	TO-15	91-20-3	NAPHTHALENE	0.57	J	0.14	1.7	UG/M3	0.57	J
ADV-SS-01/20231108-ESD	TO-15	95-47-6	O-XYLENE	1.5		0.15	0.7	UG/M3	1.5	
ADV-SS-01/20231108-ESD	TO-15	108-88-3	TOLUENE	5.1	J	0.054	6.1	UG/M3	5.1	J
ADV-SS-01/20231108-ESD	TO-15	75-01-4	VINYL CHLORIDE	0.41	U	0.057	0.41	UG/M3	0.41	U
ADV-SS-10/20231108-ES	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.99		0.21	0.88	UG/M3	0.99	
ADV-SS-10/20231108-ES	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	3	J	0.45	11	UG/M3	3.0	J
ADV-SS-10/20231108-ES	TO-15	71-43-2	BENZENE	0.76		0.053	0.58	UG/M3	0.76	
ADV-SS-10/20231108-ES	TO-15	98-82-8	CUMENE	0.95		0.082	0.88	UG/M3	0.95	
ADV-SS-10/20231108-ES	TO-15	110-82-7	CYCLOHEXANE	1.6	J	0.52	3.1	UG/M3	1.6	J
ADV-SS-10/20231108-ES	TO-15	100-41-4	ETHYL BENZENE	1.4		0.15	0.78	UG/M3	1.4	
ADV-SS-10/20231108-ES	TO-15	179601-23-1	M,P-XYLENE	4.2		0.16	0.78	UG/M3	4.2	
ADV-SS-10/20231108-ES	TO-15	91-20-3	NAPHTHALENE	0.64	J	0.16	1.9	UG/M3	0.64	J
ADV-SS-10/20231108-ES	TO-15	95-47-6	O-XYLENE	2		0.16	0.78	UG/M3	2.0	
ADV-SS-10/20231108-ES	TO-15	108-88-3	TOLUENE	3.9	J	0.06	6.8	UG/M3	3.9	J
ADV-SS-10/20231108-ES	TO-15	75-01-4	VINYL CHLORIDE	0.46	U	0.064	0.46	UG/M3	0.46	U