



We are in the process of ensuring this document is accessible to all audiences. If you need assistance accessing this document, or any material on the EPA East Palestine, Ohio emergency response web pages, please contact the Region 5 Public Information Officer on-call at: R5_EastPalestine@epa.gov

May 19, 2023

Mr. Josh Peters
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 5
Superfund and Emergency Management Division
77 West Jackson Boulevard
Chicago, Illinois 60604

**Subject: Data Validation Report
E Palestine Site - ER
EPA Contract No.: 68HE0519D0005
Task Order/Task Order Line Item No.: 68HE0520F0032/0001EB201
Document Tracking No. 1836**

Dear Mr. Peters:

Tetra Tech, Inc. (Tetra Tech) is submitting this data validation report for twenty seven air samples collected at the E Palestine Site. The samples were collected on March 27-29, 2023 and were analyzed for VOCs using EPA Method TO-15 with tentatively identified compounds (TIC) and selective ion monitoring (SIM) by Eurofins Air Toxics' lab in Folsom, California. The final laboratory data package was received on May 5, 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), 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,

Tom Hahne
Quality control reviewer

Tom Hahne

Digitally signed by Tom
Hahne
Date: 2023.05.19
16:17:27 -05'00'

Enclosure

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

Tetra Tech, Inc.
1 South Wacker Dr. Suite 3700, Chicago, IL 60606
Tel 312.201.7479 | Fax 312.201.0031
www.tetrattech.com

ATTACHMENT

**DATA VALIDATION REPORT
EUROFINS AIR TOXICS REPORT NOS. 2304590, 2304618 AND
2305020**

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

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/000
Document Tracking No.	DTN 1836		
Laboratory Report No.	2304590		
		Laboratory	Eurofins Air Toxics, L
Analyses	Volatile organic compounds (VOCs) by EPA Method TO-15 including tentatively identified compounds and TO-15 selective ion monitoring (SIM)		
Samples and Matrix	Nine (9) Air Samples, including one (1) field duplicate		
Collection Date(s)	04/27/2023		
Field Duplicate Pairs	EPD-WA-05-042723/EPD-WA-55-042723		
Field QC Blanks	NA		

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 2019), which were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment (START V), EPA Region 5, Revision 4* (August 2022), and the EPA *National Functional Guidelines (NFG) for Organic Superfund Site Remediation 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 the validation.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	



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

Method blanks:

Within Criteria	Exceedance/Notes
N	TO-15: The method blank reported Carbon Disulfide. The Carbon Disulfide results in all samples were qualified at the Reporting Limit (RL). TO-15 SIM: The method blank reported 1,1,2,2-Tetrachloroethane. The samples were unaffected.

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
Y	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	



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

Field duplicates:

Within Criteria	Exceedance/Notes
Y	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	Container dilution = 1.35, 1.41, 1.40, 1.38, 1.35, 1.34, 1.40, 1.30 & 1.41 Canister dilution = 1.35, 1.41, 1.40, 1.38, 1.35, 1.34, 1.40, 1.30 & 1.41

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
Y	



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

Other [specify]:

Within Criteria	Exceedance/Notes
N	

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is 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, but is biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample, but is 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 consistent with the presence of the analyte due to deficiencies in one or more quality control criteria.



Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-DW-D-042723	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	
EPD-DW-D-042723	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	C
EPD-DW-D-042723	TO-15	95-50-1	1,2-DICHLOROBENZENE	C
EPD-DW-D-042723	TO-15	78-87-5	1,2-DICHLOROPROPANE	C
EPD-DW-D-042723	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	C
EPD-DW-D-042723	TO-15	106-99-0	1,3-BUTADIENE	C
EPD-DW-D-042723	TO-15	541-73-1	1,3-DICHLOROBENZENE	C
EPD-DW-D-042723	TO-15	123-91-1	1,4-DIOXANE	C
EPD-DW-D-042723	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	
EPD-DW-D-042723	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	
EPD-DW-D-042723	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-DW-D-042723	TO-15	591-78-6	2-HEXANONE	
EPD-DW-D-042723	TO-15	67-63-0	2-PROPANOL	
EPD-DW-D-042723	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-DW-D-042723	TO-15	622-96-8	4-ETHYLTOLUENE	C
EPD-DW-D-042723	TO-15	108-10-1	4-METHYL-2-PENTANONE	C
EPD-DW-D-042723	TO-15	67-64-1	ACETONE	
EPD-DW-D-042723	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	C
EPD-DW-D-042723	TO-15	75-27-4	BROMODICHLOROMETHANE	C
EPD-DW-D-042723	TO-15	75-25-2	BROMOFORM	
EPD-DW-D-042723	TO-15	74-83-9	BROMOMETHANE	
EPD-DW-D-042723	TO-15	106-97-8	BUTANE	
EPD-DW-D-042723	TO-15	78-78-4	BUTANE, 2-METHYL-	
EPD-DW-D-042723	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	
EPD-DW-D-042723	TO-15	75-15-0	CARBON DISULFIDE	C
EPD-DW-D-042723	TO-15	108-90-7	CHLOROBENZENE	C
EPD-DW-D-042723	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	C
EPD-DW-D-042723	TO-15	98-82-8	CUMENE	C
EPD-DW-D-042723	TO-15	110-82-7	CYCLOHEXANE	
EPD-DW-D-042723	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-DW-D-042723	TO-15	64-17-5	ETHANOL	
EPD-DW-D-042723	TO-15	75-69-4	FREON 11	
EPD-DW-D-042723	TO-15	76-13-1	FREON 113	C
EPD-DW-D-042723	TO-15	142-82-5	HEPTANE	
EPD-DW-D-042723	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-DW-D-042723	TO-15	110-54-3	HEXANE	
EPD-DW-D-042723	TO-15	75-09-2	METHYLENE CHLORIDE	C
EPD-DW-D-042723	TO-15	103-65-1	PROPYLBENZENE	C
EPD-DW-D-042723	TO-15	100-42-5	STYRENE	
EPD-DW-D-042723	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-DW-D-042723	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	C
EPD-DW-D-042723	TO-15	NA	UNKNOWN TIC	
EPD-DW-D-042723	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	C
EPD-DW-D-042723	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	C
EPD-DW-D-042723	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	C
EPD-DW-D-042723	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	C
EPD-DW-D-042723	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-DW-D-042723	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-UW-H-042723	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-UW-H-042723	TO-15	591-78-6	2-HEXANONE	
EPD-UW-H-042723	TO-15	67-63-0	2-PROPANOL	
EPD-UW-H-042723	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-UW-H-042723	TO-15	622-96-8	4-ETHYLTOLUENE	C
EPD-UW-H-042723	TO-15	108-10-1	4-METHYL-2-PENTANONE	C
EPD-UW-H-042723	TO-15	67-64-1	ACETONE	
EPD-UW-H-042723	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	C
EPD-UW-H-042723	TO-15	75-27-4	BROMODICHLOROMETHANE	C
EPD-UW-H-042723	TO-15	75-25-2	BROMOFORM	
EPD-UW-H-042723	TO-15	74-83-9	BROMOMETHANE	
EPD-UW-H-042723	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	
EPD-UW-H-042723	TO-15	75-15-0	CARBON DISULFIDE	
EPD-UW-H-042723	TO-15	108-90-7	CHLOROBENZENE	C
EPD-UW-H-042723	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	C
EPD-UW-H-042723	TO-15	98-82-8	CUMENE	C
EPD-UW-H-042723	TO-15	110-82-7	CYCLOHEXANE	
EPD-UW-H-042723	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-UW-H-042723	TO-15	64-17-5	ETHANOL	
EPD-UW-H-042723	TO-15	75-69-4	FREON 11	C
EPD-UW-H-042723	TO-15	76-13-1	FREON 113	C
EPD-UW-H-042723	TO-15	142-82-5	HEPTANE	
EPD-UW-H-042723	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-UW-H-042723	TO-15	110-54-3	HEXANE	
EPD-UW-H-042723	TO-15	75-09-2	METHYLENE CHLORIDE	C
EPD-UW-H-042723	TO-15	124-13-0	OCTANAL	C
EPD-UW-H-042723	TO-15	103-65-1	PROPYLBENZENE	C
EPD-UW-H-042723	TO-15	100-42-5	STYRENE	
EPD-UW-H-042723	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-UW-H-042723	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	C
EPD-UW-H-042723	TO-15	NA	UNKNOWN TIC	
EPD-UW-H-042723	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	C
EPD-UW-H-042723	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	C
EPD-UW-H-042723	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	C
EPD-UW-H-042723	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	C
EPD-UW-H-042723	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-UW-H-042723	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	C
EPD-UW-H-042723	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-UW-H-042723	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	C
EPD-UW-H-042723	TO-15 SIM	71-43-2	BENZENE	C
EPD-UW-H-042723	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	C
EPD-UW-H-042723	TO-15 SIM	75-00-3	CHLOROETHANE	C
EPD-UW-H-042723	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-UW-H-042723	TO-15 SIM	74-87-3	CHLOROMETHANE	C
EPD-UW-H-042723	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	C
EPD-UW-H-042723	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-UW-H-042723	TO-15 SIM	76-14-2	FREON 114	0.
EPD-UW-H-042723	TO-15 SIM	75-71-8	FREON 12	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-01-042723	TO-15	106-97-8	BUTANE	
EPD-WA-01-042723	TO-15	78-78-4	BUTANE, 2-METHYL-	
EPD-WA-01-042723	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	
EPD-WA-01-042723	TO-15	75-15-0	CARBON DISULFIDE	
EPD-WA-01-042723	TO-15	108-90-7	CHLOROBENZENE	
EPD-WA-01-042723	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	
EPD-WA-01-042723	TO-15	98-82-8	CUMENE	
EPD-WA-01-042723	TO-15	110-82-7	CYCLOHEXANE	
EPD-WA-01-042723	TO-15	74663-88-0	CYCLOPROPANE, 1-BUTYL-2-PENTYL-, CIS-	
EPD-WA-01-042723	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-WA-01-042723	TO-15	64-17-5	ETHANOL	
EPD-WA-01-042723	TO-15	75-69-4	FREON 11	
EPD-WA-01-042723	TO-15	76-13-1	FREON 113	
EPD-WA-01-042723	TO-15	142-82-5	HEPTANE	
EPD-WA-01-042723	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-WA-01-042723	TO-15	110-54-3	HEXANE	
EPD-WA-01-042723	TO-15	75-09-2	METHYLENE CHLORIDE	
EPD-WA-01-042723	TO-15	124-19-6	NONANAL	
EPD-WA-01-042723	TO-15	124-13-0	OCTANAL	
EPD-WA-01-042723	TO-15	103-65-1	PROPYLBENZENE	
EPD-WA-01-042723	TO-15	100-42-5	STYRENE	
EPD-WA-01-042723	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-WA-01-042723	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	
EPD-WA-01-042723	TO-15	NA	UNKNOWN TIC	
EPD-WA-01-042723	TO-15	NA	UNKNOWN TIC	
EPD-WA-01-042723	TO-15	NA	UNKNOWN TIC	
EPD-WA-01-042723	TO-15	NA	UNKNOWN TIC	
EPD-WA-01-042723	TO-15	NA	UNKNOWN TIC	
EPD-WA-01-042723	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	
EPD-WA-01-042723	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	
EPD-WA-01-042723	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	
EPD-WA-01-042723	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	
EPD-WA-01-042723	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	
EPD-WA-01-042723	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	
EPD-WA-01-042723	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	
EPD-WA-01-042723	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	
EPD-WA-01-042723	TO-15 SIM	71-43-2	BENZENE	
EPD-WA-01-042723	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	
EPD-WA-01-042723	TO-15 SIM	75-00-3	CHLOROETHANE	
EPD-WA-01-042723	TO-15 SIM	67-66-3	CHLOROFORM	
EPD-WA-01-042723	TO-15 SIM	74-87-3	CHLOROMETHANE	
EPD-WA-01-042723	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	
EPD-WA-01-042723	TO-15 SIM	100-41-4	ETHYL BENZENE	
EPD-WA-01-042723	TO-15 SIM	76-14-2	FREON 114	
EPD-WA-01-042723	TO-15 SIM	75-71-8	FREON 12	
EPD-WA-01-042723	TO-15 SIM	179601-23-1	M,P-XYLENE	
EPD-WA-01-042723	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	
EPD-WA-01-042723	TO-15 SIM	91-20-3	NAPHTHALENE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-02-042723	TO-15	75-15-0	CARBON DISULFIDE	0
EPD-WA-02-042723	TO-15	108-90-7	CHLOROBENZENE	0
EPD-WA-02-042723	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0
EPD-WA-02-042723	TO-15	98-82-8	CUMENE	0
EPD-WA-02-042723	TO-15	110-82-7	CYCLOHEXANE	
EPD-WA-02-042723	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-WA-02-042723	TO-15	64-17-5	ETHANOL	
EPD-WA-02-042723	TO-15	75-69-4	FREON 11	
EPD-WA-02-042723	TO-15	76-13-1	FREON 113	0
EPD-WA-02-042723	TO-15	142-82-5	HEPTANE	
EPD-WA-02-042723	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-WA-02-042723	TO-15	110-54-3	HEXANE	
EPD-WA-02-042723	TO-15	75-09-2	METHYLENE CHLORIDE	0
EPD-WA-02-042723	TO-15	103-65-1	PROPYLBENZENE	0
EPD-WA-02-042723	TO-15	100-42-5	STYRENE	
EPD-WA-02-042723	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-WA-02-042723	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0
EPD-WA-02-042723	TO-15	NA	UNKNOWN TIC	
EPD-WA-02-042723	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0
EPD-WA-02-042723	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0
EPD-WA-02-042723	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0
EPD-WA-02-042723	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0
EPD-WA-02-042723	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-WA-02-042723	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0
EPD-WA-02-042723	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-WA-02-042723	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0
EPD-WA-02-042723	TO-15 SIM	71-43-2	BENZENE	0
EPD-WA-02-042723	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0
EPD-WA-02-042723	TO-15 SIM	75-00-3	CHLOROETHANE	0
EPD-WA-02-042723	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-WA-02-042723	TO-15 SIM	74-87-3	CHLOROMETHANE	0
EPD-WA-02-042723	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0
EPD-WA-02-042723	TO-15 SIM	100-41-4	ETHYL BENZENE	0
EPD-WA-02-042723	TO-15 SIM	76-14-2	FREON 114	0.
EPD-WA-02-042723	TO-15 SIM	75-71-8	FREON 12	
EPD-WA-02-042723	TO-15 SIM	179601-23-1	M,P-XYLENE	0
EPD-WA-02-042723	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	
EPD-WA-02-042723	TO-15 SIM	91-20-3	NAPHTHALENE	0
EPD-WA-02-042723	TO-15 SIM	95-47-6	O-XYLENE	0.
EPD-WA-02-042723	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-02-042723	TO-15 SIM	108-88-3	TOLUENE	0
EPD-WA-02-042723	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0
EPD-WA-02-042723	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.
EPD-WA-02-042723	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.
EPD-WA-03-042723	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	
EPD-WA-03-042723	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0
EPD-WA-03-042723	TO-15	95-50-1	1,2-DICHLOROBENZENE	0
EPD-WA-03-042723	TO-15	78-87-5	1,2-DICHLOROPROPANE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-03-042723	TO-15	110-54-3	HEXANE	
EPD-WA-03-042723	TO-15	75-09-2	METHYLENE CHLORIDE	0
EPD-WA-03-042723	TO-15	124-13-0	OCTANAL	0
EPD-WA-03-042723	TO-15	103-65-1	PROPYLBENZENE	0
EPD-WA-03-042723	TO-15	100-42-5	STYRENE	
EPD-WA-03-042723	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-WA-03-042723	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0
EPD-WA-03-042723	TO-15	NA	UNKNOWN TIC	0
EPD-WA-03-042723	TO-15	NA	UNKNOWN TIC	
EPD-WA-03-042723	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0
EPD-WA-03-042723	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0
EPD-WA-03-042723	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0
EPD-WA-03-042723	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0
EPD-WA-03-042723	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.0
EPD-WA-03-042723	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0
EPD-WA-03-042723	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.0
EPD-WA-03-042723	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0
EPD-WA-03-042723	TO-15 SIM	71-43-2	BENZENE	0
EPD-WA-03-042723	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0
EPD-WA-03-042723	TO-15 SIM	75-00-3	CHLOROETHANE	0
EPD-WA-03-042723	TO-15 SIM	67-66-3	CHLOROFORM	0.0
EPD-WA-03-042723	TO-15 SIM	74-87-3	CHLOROMETHANE	0
EPD-WA-03-042723	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0
EPD-WA-03-042723	TO-15 SIM	100-41-4	ETHYL BENZENE	0.0
EPD-WA-03-042723	TO-15 SIM	76-14-2	FREON 114	0.0
EPD-WA-03-042723	TO-15 SIM	75-71-8	FREON 12	
EPD-WA-03-042723	TO-15 SIM	179601-23-1	M,P-XYLENE	
EPD-WA-03-042723	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0
EPD-WA-03-042723	TO-15 SIM	91-20-3	NAPHTHALENE	0
EPD-WA-03-042723	TO-15 SIM	95-47-6	O-XYLENE	0.0
EPD-WA-03-042723	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0
EPD-WA-03-042723	TO-15 SIM	108-88-3	TOLUENE	0
EPD-WA-03-042723	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0
EPD-WA-03-042723	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.0
EPD-WA-03-042723	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.0
EPD-WA-04-042723	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	
EPD-WA-04-042723	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0
EPD-WA-04-042723	TO-15	95-50-1	1,2-DICHLOROBENZENE	0
EPD-WA-04-042723	TO-15	78-87-5	1,2-DICHLOROPROPANE	
EPD-WA-04-042723	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0
EPD-WA-04-042723	TO-15	106-99-0	1,3-BUTADIENE	0
EPD-WA-04-042723	TO-15	541-73-1	1,3-DICHLOROBENZENE	0
EPD-WA-04-042723	TO-15	123-91-1	1,4-DIOXANE	0
EPD-WA-04-042723	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	
EPD-WA-04-042723	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	
EPD-WA-04-042723	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-WA-04-042723	TO-15	591-78-6	2-HEXANONE	
EPD-WA-04-042723	TO-15	67-63-0	2-PROPANOL	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-04-042723	TO-15	NA	UNKNOWN TIC	
EPD-WA-04-042723	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.
EPD-WA-04-042723	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.
EPD-WA-04-042723	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.
EPD-WA-04-042723	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	
EPD-WA-04-042723	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-WA-04-042723	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	
EPD-WA-04-042723	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-WA-04-042723	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.
EPD-WA-04-042723	TO-15 SIM	71-43-2	BENZENE	
EPD-WA-04-042723	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.
EPD-WA-04-042723	TO-15 SIM	75-00-3	CHLOROETHANE	0.
EPD-WA-04-042723	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-WA-04-042723	TO-15 SIM	74-87-3	CHLOROMETHANE	0.
EPD-WA-04-042723	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	
EPD-WA-04-042723	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-WA-04-042723	TO-15 SIM	76-14-2	FREON 114	0.
EPD-WA-04-042723	TO-15 SIM	75-71-8	FREON 12	
EPD-WA-04-042723	TO-15 SIM	179601-23-1	M,P-XYLENE	0.
EPD-WA-04-042723	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.
EPD-WA-04-042723	TO-15 SIM	91-20-3	NAPHTHALENE	0.
EPD-WA-04-042723	TO-15 SIM	95-47-6	O-XYLENE	0.
EPD-WA-04-042723	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-04-042723	TO-15 SIM	108-88-3	TOLUENE	
EPD-WA-04-042723	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.
EPD-WA-04-042723	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.
EPD-WA-04-042723	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.
EPD-WA-05-042723	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	
EPD-WA-05-042723	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.
EPD-WA-05-042723	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.
EPD-WA-05-042723	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.
EPD-WA-05-042723	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.
EPD-WA-05-042723	TO-15	106-99-0	1,3-BUTADIENE	
EPD-WA-05-042723	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.
EPD-WA-05-042723	TO-15	123-91-1	1,4-DIOXANE	0.
EPD-WA-05-042723	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	
EPD-WA-05-042723	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	
EPD-WA-05-042723	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-WA-05-042723	TO-15	591-78-6	2-HEXANONE	
EPD-WA-05-042723	TO-15	67-63-0	2-PROPANOL	
EPD-WA-05-042723	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-WA-05-042723	TO-15	622-96-8	4-ETHYLTOLUENE	0.
EPD-WA-05-042723	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.
EPD-WA-05-042723	TO-15	67-64-1	ACETONE	
EPD-WA-05-042723	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	
EPD-WA-05-042723	TO-15	75-27-4	BROMODICHLOROMETHANE	
EPD-WA-05-042723	TO-15	75-25-2	BROMOFORM	
EPD-WA-05-042723	TO-15	74-83-9	BROMOMETHANE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-05-042723	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.
EPD-WA-05-042723	TO-15 SIM	75-00-3	CHLOROETHANE	0.
EPD-WA-05-042723	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-WA-05-042723	TO-15 SIM	74-87-3	CHLOROMETHANE	0.
EPD-WA-05-042723	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.
EPD-WA-05-042723	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-WA-05-042723	TO-15 SIM	76-14-2	FREON 114	0.
EPD-WA-05-042723	TO-15 SIM	75-71-8	FREON 12	0.
EPD-WA-05-042723	TO-15 SIM	179601-23-1	M,P-XYLENE	0.
EPD-WA-05-042723	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.
EPD-WA-05-042723	TO-15 SIM	91-20-3	NAPHTHALENE	0.
EPD-WA-05-042723	TO-15 SIM	95-47-6	O-XYLENE	0.
EPD-WA-05-042723	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-05-042723	TO-15 SIM	108-88-3	TOLUENE	0.
EPD-WA-05-042723	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.
EPD-WA-05-042723	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.
EPD-WA-05-042723	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.
EPD-WA-06-042723	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	0.
EPD-WA-06-042723	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.
EPD-WA-06-042723	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.
EPD-WA-06-042723	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.
EPD-WA-06-042723	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.
EPD-WA-06-042723	TO-15	106-99-0	1,3-BUTADIENE	0.
EPD-WA-06-042723	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.
EPD-WA-06-042723	TO-15	123-91-1	1,4-DIOXANE	0.
EPD-WA-06-042723	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	0.
EPD-WA-06-042723	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	0.
EPD-WA-06-042723	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0.
EPD-WA-06-042723	TO-15	591-78-6	2-HEXANONE	0.
EPD-WA-06-042723	TO-15	67-63-0	2-PROPANOL	0.
EPD-WA-06-042723	TO-15	107-05-1	3-CHLOROPROPENE	0.
EPD-WA-06-042723	TO-15	622-96-8	4-ETHYLTOLUENE	0.
EPD-WA-06-042723	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.
EPD-WA-06-042723	TO-15	67-64-1	ACETONE	0.
EPD-WA-06-042723	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.
EPD-WA-06-042723	TO-15	75-27-4	BROMODICHLOROMETHANE	0.
EPD-WA-06-042723	TO-15	75-25-2	BROMOFORM	0.
EPD-WA-06-042723	TO-15	74-83-9	BROMOMETHANE	0.
EPD-WA-06-042723	TO-15	106-97-8	BUTANE	0.
EPD-WA-06-042723	TO-15	78-78-4	BUTANE, 2-METHYL-	0.
EPD-WA-06-042723	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	0.
EPD-WA-06-042723	TO-15	75-15-0	CARBON DISULFIDE	0.
EPD-WA-06-042723	TO-15	108-90-7	CHLOROBENZENE	0.
EPD-WA-06-042723	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.
EPD-WA-06-042723	TO-15	98-82-8	CUMENE	0.
EPD-WA-06-042723	TO-15	110-82-7	CYCLOHEXANE	0.
EPD-WA-06-042723	TO-15	124-48-1	DIBROMOCHLOROMETHANE	0.
EPD-WA-06-042723	TO-15	64-17-5	ETHANOL	0.

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
 EUROFINS AIR TOXICS REPORT NO. 2304590

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-06-042723	TO-15 SIM	91-20-3	NAPHTHALENE	0.
EPD-WA-06-042723	TO-15 SIM	95-47-6	O-XYLENE	0.
EPD-WA-06-042723	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-06-042723	TO-15 SIM	108-88-3	TOLUENE	0.
EPD-WA-06-042723	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.
EPD-WA-06-042723	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.
EPD-WA-06-042723	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.
EPD-WA-55-042723	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	0.
EPD-WA-55-042723	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.
EPD-WA-55-042723	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.
EPD-WA-55-042723	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.
EPD-WA-55-042723	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.
EPD-WA-55-042723	TO-15	106-99-0	1,3-BUTADIENE	0.
EPD-WA-55-042723	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.
EPD-WA-55-042723	TO-15	123-91-1	1,4-DIOXANE	0.
EPD-WA-55-042723	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	0.
EPD-WA-55-042723	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	0.
EPD-WA-55-042723	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0.
EPD-WA-55-042723	TO-15	591-78-6	2-HEXANONE	0.
EPD-WA-55-042723	TO-15	67-63-0	2-PROPANOL	0.
EPD-WA-55-042723	TO-15	107-05-1	3-CHLOROPROPENE	0.
EPD-WA-55-042723	TO-15	622-96-8	4-ETHYLTOLUENE	0.
EPD-WA-55-042723	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.
EPD-WA-55-042723	TO-15	67-64-1	ACETONE	0.
EPD-WA-55-042723	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.
EPD-WA-55-042723	TO-15	75-27-4	BROMODICHLOROMETHANE	0.
EPD-WA-55-042723	TO-15	75-25-2	BROMOFORM	0.
EPD-WA-55-042723	TO-15	74-83-9	BROMOMETHANE	0.
EPD-WA-55-042723	TO-15	106-97-8	BUTANE	0.
EPD-WA-55-042723	TO-15	78-78-4	BUTANE, 2-METHYL-	0.
EPD-WA-55-042723	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	0.
EPD-WA-55-042723	TO-15	75-15-0	CARBON DISULFIDE	0.
EPD-WA-55-042723	TO-15	108-90-7	CHLOROBENZENE	0.
EPD-WA-55-042723	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.
EPD-WA-55-042723	TO-15	98-82-8	CUMENE	0.
EPD-WA-55-042723	TO-15	110-82-7	CYCLOHEXANE	0.
EPD-WA-55-042723	TO-15	124-48-1	DIBROMOCHLOROMETHANE	0.
EPD-WA-55-042723	TO-15	64-17-5	ETHANOL	0.
EPD-WA-55-042723	TO-15	75-69-4	FREON 11	0.
EPD-WA-55-042723	TO-15	76-13-1	FREON 113	0.
EPD-WA-55-042723	TO-15	142-82-5	HEPTANE	0.
EPD-WA-55-042723	TO-15	87-68-3	HEXACHLOROBUTADIENE	0.
EPD-WA-55-042723	TO-15	110-54-3	HEXANE	0.
EPD-WA-55-042723	TO-15	75-09-2	METHYLENE CHLORIDE	0.
EPD-WA-55-042723	TO-15	103-65-1	PROPYLBENZENE	0.
EPD-WA-55-042723	TO-15	100-42-5	STYRENE	0.
EPD-WA-55-042723	TO-15	109-99-9	TETRAHYDROFURAN	0.
EPD-WA-55-042723	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.

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

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/000
Document Tracking No.	DTN 1836		
Laboratory Report No.	2304618	Laboratory	Eurofins Air Toxics, L
Analyses	Volatile organic compounds (VOCs) by EPA Method TO-15 including tentatively identified compounds and TO-15 selective ion monitoring (SIM)		
Samples and Matrix	Nine (9) Air Samples, including one (1) field duplicate		
Collection Date(s)	04/28/2023		
Field Duplicate Pairs	EPD-DW-G-042823/EPD-DW-GG-042823		
Field QC Blanks	NA		

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 2019), which were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment (START V), EPA Region 5, Revision 4* (August 2022), and the EPA *National Functional Guidelines (NFG) for Organic Superfund Site Remediation* (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 the validation.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	



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

Method blanks:

Within Criteria	Exceedance/Notes		
N	TO-15: The method blank reported trans-1,3-Dichloropropene, alpha-Chlorotoluene, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, and Hexachlorobutadiene. The samples were unaffected.		
	TO-15 SIM: The method blank reported Freon-114, trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, Chloroform, Tetrachloroethene, Ethyl Benzene, m,p-Xylene, o-Xylene, 1,1,2,2-Tetrachloroethane, 1,4-Dichlorobenzene, and 1,2-Dichlorobenzene. The following were qualified as not detected (U) at the Reporting Limit (RL):		
	Client ID	Laboratory ID	Compound (s)
	EPD-WA-05-042823	2304618-01B	Freon-114, Chloroform, Tetrachloroethene, Ethyl Benzene
	EPD-WA-03-042823	2304618-02B	Freon-114, Chloroform, Tetrachloroethene, Ethyl Benzene
	EPD-DW-GG-042823	2304618-03B	Freon-114, trans-1,2-Dichloroethene, Chloroform, Tetrachloroethene, Naphthalene
	EPD-DW-G-042823	2304618-04B	Freon-114, trans-1,2-Dichloroethene, Chloroform, Tetrachloroethene, Naphthalene
	EPD-WA-06-042823	2304618-05B	Freon-114, Chloroform, Tetrachloroethene, Ethyl Benzene
	EPD-WA-02-042823	2304618-06B	Freon-114, Chloroform, Tetrachloroethene, Ethyl Benzene
	EPD-WA-01-042823	2304618-07B	Freon-114, Chloroform, Tetrachloroethene, Naphthalene
	EPD-WA-04-042823	2304618-08B	Freon-114, Chloroform, Tetrachloroethene, Ethyl Benzene, o-Xylene
	EPD-UW-C-042823	2304618-09B	Freon-114, Chloroform, Tetrachloroethene, Ethyl Benzene, o-Xylene, Naphthalene
	The following results were > RL but < 10X the method blank and were therefore qualified as estimated with a		
	Client ID	Laboratory ID	Compound (s)
	EPD-WA-05-042823	2304618-01B	m,p-Xylene, o-Xylene
EPD-WA-03-042823	2304618-02B	m,p-Xylene, o-Xylene	
EPD-DW-GG-042823	2304618-03B	Ethyl Benzene, m,p-Xylene, o-Xylene	
EPD-DW-G-042823	2304618-04B	Ethyl Benzene, m,p-Xylene, o-Xylene	



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

	EPD-WA-06-042823	2304618-05B	m,p-Xylene, o-Xylene
	EPD-WA-02-042823	2304618-06B	m,p-Xylene, o-Xylene
	EPD-WA-01-042823	2304618-07B	o-Xylene

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
Y	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
N	The acetone results in the following were qualified as estimated (J) due to field duplicate imprecision: EPD-DW-G-042823 (2304618-04A) EPD-DW-GG-042823 (2304618-03A)



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

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	Container dilution = 1.42, 1.42, 1.36, 1.39, 1.48, 1.36, 1.42, 1.42 & 1.45 Canister dilution = 1.42, 1.42, 1.36, 1.39, 1.48, 1.36, 1.42, 1.42 & 1.45

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
Y	

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

Other [specify]:

Within Criteria	Exceedance/Notes
N	

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is 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, but is biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample, but is 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 consistent with the associated value due to deficiencies in one or more quality control criteria.



Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-DW-G-042823	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	
EPD-DW-G-042823	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0
EPD-DW-G-042823	TO-15	95-50-1	1,2-DICHLOROBENZENE	0
EPD-DW-G-042823	TO-15	78-87-5	1,2-DICHLOROPROPANE	0
EPD-DW-G-042823	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0
EPD-DW-G-042823	TO-15	106-99-0	1,3-BUTADIENE	0
EPD-DW-G-042823	TO-15	541-73-1	1,3-DICHLOROBENZENE	0
EPD-DW-G-042823	TO-15	123-91-1	1,4-DIOXANE	
EPD-DW-G-042823	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	
EPD-DW-G-042823	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	0
EPD-DW-G-042823	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-DW-G-042823	TO-15	591-78-6	2-HEXANONE	
EPD-DW-G-042823	TO-15	67-63-0	2-PROPANOL	
EPD-DW-G-042823	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-DW-G-042823	TO-15	622-96-8	4-ETHYLTOLUENE	0
EPD-DW-G-042823	TO-15	108-10-1	4-METHYL-2-PENTANONE	0
EPD-DW-G-042823	TO-15	67-64-1	ACETONE	
EPD-DW-G-042823	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0
EPD-DW-G-042823	TO-15	75-27-4	BROMODICHLOROMETHANE	0
EPD-DW-G-042823	TO-15	75-25-2	BROMOFORM	
EPD-DW-G-042823	TO-15	74-83-9	BROMOMETHANE	
EPD-DW-G-042823	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	
EPD-DW-G-042823	TO-15	75-15-0	CARBON DISULFIDE	
EPD-DW-G-042823	TO-15	108-90-7	CHLOROBENZENE	0
EPD-DW-G-042823	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0
EPD-DW-G-042823	TO-15	98-82-8	CUMENE	0
EPD-DW-G-042823	TO-15	110-82-7	CYCLOHEXANE	
EPD-DW-G-042823	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-DW-G-042823	TO-15	64-17-5	ETHANOL	
EPD-DW-G-042823	TO-15	75-69-4	FREON 11	0
EPD-DW-G-042823	TO-15	76-13-1	FREON 113	0
EPD-DW-G-042823	TO-15	142-82-5	HEPTANE	0
EPD-DW-G-042823	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-DW-G-042823	TO-15	110-54-3	HEXANE	0
EPD-DW-G-042823	TO-15	75-09-2	METHYLENE CHLORIDE	0
EPD-DW-G-042823	TO-15	103-65-1	PROPYLBENZENE	0
EPD-DW-G-042823	TO-15	100-42-5	STYRENE	0
EPD-DW-G-042823	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-DW-G-042823	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0
EPD-DW-G-042823	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0
EPD-DW-G-042823	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0
EPD-DW-G-042823	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0
EPD-DW-G-042823	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0
EPD-DW-G-042823	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-DW-G-042823	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0
EPD-DW-G-042823	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-DW-G-042823	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0
EPD-DW-G-042823	TO-15 SIM	71-43-2	BENZENE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-DW-GG-042823	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-DW-GG-042823	TO-15	622-96-8	4-ETHYLTOLUENE	0
EPD-DW-GG-042823	TO-15	108-10-1	4-METHYL-2-PENTANONE	0
EPD-DW-GG-042823	TO-15	67-64-1	ACETONE	
EPD-DW-GG-042823	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	
EPD-DW-GG-042823	TO-15	75-27-4	BROMODICHLOROMETHANE	0
EPD-DW-GG-042823	TO-15	75-25-2	BROMOFORM	
EPD-DW-GG-042823	TO-15	74-83-9	BROMOMETHANE	
EPD-DW-GG-042823	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID , BUTYL ESTER)	
EPD-DW-GG-042823	TO-15	75-15-0	CARBON DISULFIDE	
EPD-DW-GG-042823	TO-15	108-90-7	CHLOROBENZENE	0
EPD-DW-GG-042823	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0
EPD-DW-GG-042823	TO-15	98-82-8	CUMENE	0
EPD-DW-GG-042823	TO-15	110-82-7	CYCLOHEXANE	
EPD-DW-GG-042823	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-DW-GG-042823	TO-15	64-17-5	ETHANOL	
EPD-DW-GG-042823	TO-15	75-69-4	FREON 11	
EPD-DW-GG-042823	TO-15	76-13-1	FREON 113	0
EPD-DW-GG-042823	TO-15	142-82-5	HEPTANE	0
EPD-DW-GG-042823	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-DW-GG-042823	TO-15	110-54-3	HEXANE	0
EPD-DW-GG-042823	TO-15	75-09-2	METHYLENE CHLORIDE	0
EPD-DW-GG-042823	TO-15	103-65-1	PROPYLBENZENE	0
EPD-DW-GG-042823	TO-15	100-42-5	STYRENE	0
EPD-DW-GG-042823	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-DW-GG-042823	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0
EPD-DW-GG-042823	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0
EPD-DW-GG-042823	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0
EPD-DW-GG-042823	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0
EPD-DW-GG-042823	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0
EPD-DW-GG-042823	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-DW-GG-042823	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0
EPD-DW-GG-042823	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-DW-GG-042823	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0
EPD-DW-GG-042823	TO-15 SIM	71-43-2	BENZENE	0
EPD-DW-GG-042823	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0
EPD-DW-GG-042823	TO-15 SIM	75-00-3	CHLOROETHANE	0.
EPD-DW-GG-042823	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-DW-GG-042823	TO-15 SIM	74-87-3	CHLOROMETHANE	0
EPD-DW-GG-042823	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0
EPD-DW-GG-042823	TO-15 SIM	100-41-4	ETHYL BENZENE	0
EPD-DW-GG-042823	TO-15 SIM	76-14-2	FREON 114	0.
EPD-DW-GG-042823	TO-15 SIM	75-71-8	FREON 12	
EPD-DW-GG-042823	TO-15 SIM	179601-23-1	M,P-XYLENE	0
EPD-DW-GG-042823	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0
EPD-DW-GG-042823	TO-15 SIM	91-20-3	NAPHTHALENE	0
EPD-DW-GG-042823	TO-15 SIM	95-47-6	O-XYLENE	0
EPD-DW-GG-042823	TO-15 SIM	127-18-4	TETRACHLOROETHENE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-UW-C-042823	TO-15	110-82-7	CYCLOHEXANE	
EPD-UW-C-042823	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-UW-C-042823	TO-15	64-17-5	ETHANOL	
EPD-UW-C-042823	TO-15	75-69-4	FREON 11	0.
EPD-UW-C-042823	TO-15	76-13-1	FREON 113	0.
EPD-UW-C-042823	TO-15	142-82-5	HEPTANE	0.
EPD-UW-C-042823	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-UW-C-042823	TO-15	110-54-3	HEXANE	0.
EPD-UW-C-042823	TO-15	75-09-2	METHYLENE CHLORIDE	
EPD-UW-C-042823	TO-15	103-65-1	PROPYLBENZENE	0.
EPD-UW-C-042823	TO-15	100-42-5	STYRENE	0.
EPD-UW-C-042823	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-UW-C-042823	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.
EPD-UW-C-042823	TO-15	NA	UNKNOWN TIC	
EPD-UW-C-042823	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.
EPD-UW-C-042823	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	
EPD-UW-C-042823	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.
EPD-UW-C-042823	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.
EPD-UW-C-042823	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-UW-C-042823	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	
EPD-UW-C-042823	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-UW-C-042823	TO-15 SIM	106-46-7	1,4-DICHLOROENZENE	0.
EPD-UW-C-042823	TO-15 SIM	71-43-2	BENZENE	0.
EPD-UW-C-042823	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.
EPD-UW-C-042823	TO-15 SIM	75-00-3	CHLOROETHANE	0.
EPD-UW-C-042823	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-UW-C-042823	TO-15 SIM	74-87-3	CHLOROMETHANE	0.
EPD-UW-C-042823	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.
EPD-UW-C-042823	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-UW-C-042823	TO-15 SIM	76-14-2	FREON 114	0.
EPD-UW-C-042823	TO-15 SIM	75-71-8	FREON 12	
EPD-UW-C-042823	TO-15 SIM	179601-23-1	M,P-XYLENE	0.
EPD-UW-C-042823	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.
EPD-UW-C-042823	TO-15 SIM	91-20-3	NAPHTHALENE	0.
EPD-UW-C-042823	TO-15 SIM	95-47-6	O-XYLENE	0.
EPD-UW-C-042823	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-UW-C-042823	TO-15 SIM	108-88-3	TOLUENE	0.
EPD-UW-C-042823	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.
EPD-UW-C-042823	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.
EPD-UW-C-042823	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.
EPD-WA-01-042823	TO-15	120-82-1	1,2,4-TRICHLOROENZENE	
EPD-WA-01-042823	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.
EPD-WA-01-042823	TO-15	95-50-1	1,2-DICHLOROENZENE	0.
EPD-WA-01-042823	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.
EPD-WA-01-042823	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	
EPD-WA-01-042823	TO-15	106-99-0	1,3-BUTADIENE	0.
EPD-WA-01-042823	TO-15	541-73-1	1,3-DICHLOROENZENE	0.
EPD-WA-01-042823	TO-15	123-91-1	1,4-DIOXANE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-01-042823	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-WA-01-042823	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.
EPD-WA-01-042823	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.
EPD-WA-01-042823	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.
EPD-WA-01-042823	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.
EPD-WA-01-042823	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.
EPD-WA-01-042823	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-WA-01-042823	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.
EPD-WA-01-042823	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-WA-01-042823	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.
EPD-WA-01-042823	TO-15 SIM	71-43-2	BENZENE	0.
EPD-WA-01-042823	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.
EPD-WA-01-042823	TO-15 SIM	75-00-3	CHLOROETHANE	0.
EPD-WA-01-042823	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-WA-01-042823	TO-15 SIM	74-87-3	CHLOROMETHANE	0.
EPD-WA-01-042823	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.
EPD-WA-01-042823	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-WA-01-042823	TO-15 SIM	76-14-2	FREON 114	0.
EPD-WA-01-042823	TO-15 SIM	75-71-8	FREON 12	0.
EPD-WA-01-042823	TO-15 SIM	179601-23-1	M,P-XYLENE	0.
EPD-WA-01-042823	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.
EPD-WA-01-042823	TO-15 SIM	91-20-3	NAPHTHALENE	0.
EPD-WA-01-042823	TO-15 SIM	95-47-6	O-XYLENE	0.
EPD-WA-01-042823	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-01-042823	TO-15 SIM	108-88-3	TOLUENE	0.
EPD-WA-01-042823	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.
EPD-WA-01-042823	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.
EPD-WA-01-042823	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.
EPD-WA-02-042823	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	0.
EPD-WA-02-042823	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.
EPD-WA-02-042823	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.
EPD-WA-02-042823	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.
EPD-WA-02-042823	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.
EPD-WA-02-042823	TO-15	106-99-0	1,3-BUTADIENE	0.
EPD-WA-02-042823	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.
EPD-WA-02-042823	TO-15	123-91-1	1,4-DIOXANE	0.
EPD-WA-02-042823	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	0.
EPD-WA-02-042823	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	0.
EPD-WA-02-042823	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0.
EPD-WA-02-042823	TO-15	591-78-6	2-HEXANONE	0.
EPD-WA-02-042823	TO-15	67-63-0	2-PROPANOL	0.
EPD-WA-02-042823	TO-15	107-05-1	3-CHLOROPROPENE	0.
EPD-WA-02-042823	TO-15	622-96-8	4-ETHYLTOLUENE	0.
EPD-WA-02-042823	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.
EPD-WA-02-042823	TO-15	67-64-1	ACETONE	0.
EPD-WA-02-042823	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.
EPD-WA-02-042823	TO-15	75-27-4	BROMODICHLOROMETHANE	0.
EPD-WA-02-042823	TO-15	75-25-2	BROMOFORM	0.

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-02-042823	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.
EPD-WA-02-042823	TO-15 SIM	75-00-3	CHLOROETHANE	0.
EPD-WA-02-042823	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-WA-02-042823	TO-15 SIM	74-87-3	CHLOROMETHANE	0.
EPD-WA-02-042823	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.
EPD-WA-02-042823	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-WA-02-042823	TO-15 SIM	76-14-2	FREON 114	0.
EPD-WA-02-042823	TO-15 SIM	75-71-8	FREON 12	0.
EPD-WA-02-042823	TO-15 SIM	179601-23-1	M,P-XYLENE	0.
EPD-WA-02-042823	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.
EPD-WA-02-042823	TO-15 SIM	91-20-3	NAPHTHALENE	0.
EPD-WA-02-042823	TO-15 SIM	95-47-6	O-XYLENE	0.
EPD-WA-02-042823	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-02-042823	TO-15 SIM	108-88-3	TOLUENE	0.
EPD-WA-02-042823	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.
EPD-WA-02-042823	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.
EPD-WA-02-042823	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.
EPD-WA-03-042823	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	0.
EPD-WA-03-042823	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.
EPD-WA-03-042823	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.
EPD-WA-03-042823	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.
EPD-WA-03-042823	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.
EPD-WA-03-042823	TO-15	106-99-0	1,3-BUTADIENE	0.
EPD-WA-03-042823	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.
EPD-WA-03-042823	TO-15	123-91-1	1,4-DIOXANE	0.
EPD-WA-03-042823	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	0.
EPD-WA-03-042823	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	0.
EPD-WA-03-042823	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0.
EPD-WA-03-042823	TO-15	591-78-6	2-HEXANONE	0.
EPD-WA-03-042823	TO-15	67-63-0	2-PROPANOL	0.
EPD-WA-03-042823	TO-15	107-05-1	3-CHLOROPROPENE	0.
EPD-WA-03-042823	TO-15	622-96-8	4-ETHYLTOLUENE	0.
EPD-WA-03-042823	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.
EPD-WA-03-042823	TO-15	67-64-1	ACETONE	0.
EPD-WA-03-042823	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.
EPD-WA-03-042823	TO-15	75-27-4	BROMODICHLOROMETHANE	0.
EPD-WA-03-042823	TO-15	75-25-2	BROMOFORM	0.
EPD-WA-03-042823	TO-15	74-83-9	BROMOMETHANE	0.
EPD-WA-03-042823	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID , BUTYL ESTER)	0.
EPD-WA-03-042823	TO-15	75-15-0	CARBON DISULFIDE	0.
EPD-WA-03-042823	TO-15	108-90-7	CHLOROBENZENE	0.
EPD-WA-03-042823	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.
EPD-WA-03-042823	TO-15	98-82-8	CUMENE	0.
EPD-WA-03-042823	TO-15	110-82-7	CYCLOHEXANE	0.
EPD-WA-03-042823	TO-15	124-48-1	DIBROMOCHLOROMETHANE	0.
EPD-WA-03-042823	TO-15	64-17-5	ETHANOL	0.
EPD-WA-03-042823	TO-15	75-69-4	FREON 11	0.
EPD-WA-03-042823	TO-15	76-13-1	FREON 113	0.

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-03-042823	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-03-042823	TO-15 SIM	108-88-3	TOLUENE	
EPD-WA-03-042823	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	
EPD-WA-03-042823	TO-15 SIM	79-01-6	TRICHLOROETHENE	
EPD-WA-03-042823	TO-15 SIM	75-01-4	VINYL CHLORIDE	
EPD-WA-04-042823	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	
EPD-WA-04-042823	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	
EPD-WA-04-042823	TO-15	95-50-1	1,2-DICHLOROBENZENE	
EPD-WA-04-042823	TO-15	78-87-5	1,2-DICHLOROPROPANE	
EPD-WA-04-042823	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	
EPD-WA-04-042823	TO-15	106-99-0	1,3-BUTADIENE	
EPD-WA-04-042823	TO-15	541-73-1	1,3-DICHLOROBENZENE	
EPD-WA-04-042823	TO-15	123-91-1	1,4-DIOXANE	
EPD-WA-04-042823	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	
EPD-WA-04-042823	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	
EPD-WA-04-042823	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-WA-04-042823	TO-15	591-78-6	2-HEXANONE	
EPD-WA-04-042823	TO-15	67-63-0	2-PROPANOL	
EPD-WA-04-042823	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-WA-04-042823	TO-15	622-96-8	4-ETHYLTOLUENE	
EPD-WA-04-042823	TO-15	108-10-1	4-METHYL-2-PENTANONE	
EPD-WA-04-042823	TO-15	67-64-1	ACETONE	
EPD-WA-04-042823	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	
EPD-WA-04-042823	TO-15	75-27-4	BROMODICHLOROMETHANE	
EPD-WA-04-042823	TO-15	75-25-2	BROMOFORM	
EPD-WA-04-042823	TO-15	74-83-9	BROMOMETHANE	
EPD-WA-04-042823	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID , BUTYL ESTER)	
EPD-WA-04-042823	TO-15	75-15-0	CARBON DISULFIDE	
EPD-WA-04-042823	TO-15	108-90-7	CHLOROBENZENE	
EPD-WA-04-042823	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	
EPD-WA-04-042823	TO-15	98-82-8	CUMENE	
EPD-WA-04-042823	TO-15	110-82-7	CYCLOHEXANE	
EPD-WA-04-042823	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-WA-04-042823	TO-15	64-17-5	ETHANOL	
EPD-WA-04-042823	TO-15	75-69-4	FREON 11	
EPD-WA-04-042823	TO-15	76-13-1	FREON 113	
EPD-WA-04-042823	TO-15	142-82-5	HEPTANE	0.
EPD-WA-04-042823	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-WA-04-042823	TO-15	110-54-3	HEXANE	
EPD-WA-04-042823	TO-15	75-09-2	METHYLENE CHLORIDE	
EPD-WA-04-042823	TO-15	103-65-1	PROPYLBENZENE	
EPD-WA-04-042823	TO-15	100-42-5	STYRENE	
EPD-WA-04-042823	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-WA-04-042823	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	
EPD-WA-04-042823	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	
EPD-WA-04-042823	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	
EPD-WA-04-042823	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	
EPD-WA-04-042823	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-05-042823	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	0
EPD-WA-05-042823	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	0
EPD-WA-05-042823	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0
EPD-WA-05-042823	TO-15	591-78-6	2-HEXANONE	0
EPD-WA-05-042823	TO-15	67-63-0	2-PROPANOL	0
EPD-WA-05-042823	TO-15	107-05-1	3-CHLOROPROPENE	0
EPD-WA-05-042823	TO-15	622-96-8	4-ETHYLTOLUENE	0
EPD-WA-05-042823	TO-15	108-10-1	4-METHYL-2-PENTANONE	0
EPD-WA-05-042823	TO-15	67-64-1	ACETONE	0
EPD-WA-05-042823	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0
EPD-WA-05-042823	TO-15	75-27-4	BROMODICHLOROMETHANE	0
EPD-WA-05-042823	TO-15	75-25-2	BROMOFORM	0
EPD-WA-05-042823	TO-15	74-83-9	BROMOMETHANE	0
EPD-WA-05-042823	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID , BUTYL ESTER)	0
EPD-WA-05-042823	TO-15	75-15-0	CARBON DISULFIDE	0
EPD-WA-05-042823	TO-15	108-90-7	CHLOROBENZENE	0
EPD-WA-05-042823	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0
EPD-WA-05-042823	TO-15	98-82-8	CUMENE	0
EPD-WA-05-042823	TO-15	110-82-7	CYCLOHEXANE	0
EPD-WA-05-042823	TO-15	124-48-1	DIBROMOCHLOROMETHANE	0
EPD-WA-05-042823	TO-15	64-17-5	ETHANOL	0
EPD-WA-05-042823	TO-15	75-69-4	FREON 11	0
EPD-WA-05-042823	TO-15	76-13-1	FREON 113	0
EPD-WA-05-042823	TO-15	142-82-5	HEPTANE	0
EPD-WA-05-042823	TO-15	87-68-3	HEXACHLOROBUTADIENE	0
EPD-WA-05-042823	TO-15	110-54-3	HEXANE	0
EPD-WA-05-042823	TO-15	75-09-2	METHYLENE CHLORIDE	0
EPD-WA-05-042823	TO-15	103-65-1	PROPYLBENZENE	0
EPD-WA-05-042823	TO-15	100-42-5	STYRENE	0
EPD-WA-05-042823	TO-15	109-99-9	TETRAHYDROFURAN	0
EPD-WA-05-042823	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0
EPD-WA-05-042823	TO-15	NA	UNKNOWN TIC	0
EPD-WA-05-042823	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0
EPD-WA-05-042823	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0
EPD-WA-05-042823	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0
EPD-WA-05-042823	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0
EPD-WA-05-042823	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-WA-05-042823	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0
EPD-WA-05-042823	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-WA-05-042823	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0
EPD-WA-05-042823	TO-15 SIM	71-43-2	BENZENE	0
EPD-WA-05-042823	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0
EPD-WA-05-042823	TO-15 SIM	75-00-3	CHLOROETHANE	0
EPD-WA-05-042823	TO-15 SIM	67-66-3	CHLOROFORM	0
EPD-WA-05-042823	TO-15 SIM	74-87-3	CHLOROMETHANE	0
EPD-WA-05-042823	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0
EPD-WA-05-042823	TO-15 SIM	100-41-4	ETHYL BENZENE	0
EPD-WA-05-042823	TO-15 SIM	76-14-2	FREON 114	0

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-06-042823	TO-15	74-83-9	BROMOMETHANE	
EPD-WA-06-042823	TO-15	106-97-8	BUTANE	0
EPD-WA-06-042823	TO-15	78-78-4	BUTANE, 2-METHYL-	0
EPD-WA-06-042823	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	
EPD-WA-06-042823	TO-15	75-15-0	CARBON DISULFIDE	
EPD-WA-06-042823	TO-15	108-90-7	CHLOROBENZENE	0
EPD-WA-06-042823	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0
EPD-WA-06-042823	TO-15	98-82-8	CUMENE	0
EPD-WA-06-042823	TO-15	110-82-7	CYCLOHEXANE	
EPD-WA-06-042823	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-WA-06-042823	TO-15	64-17-5	ETHANOL	
EPD-WA-06-042823	TO-15	75-69-4	FREON 11	
EPD-WA-06-042823	TO-15	76-13-1	FREON 113	0
EPD-WA-06-042823	TO-15	142-82-5	HEPTANE	0
EPD-WA-06-042823	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-WA-06-042823	TO-15	110-54-3	HEXANE	0
EPD-WA-06-042823	TO-15	75-09-2	METHYLENE CHLORIDE	
EPD-WA-06-042823	TO-15	103-65-1	PROPYLBENZENE	0
EPD-WA-06-042823	TO-15	100-42-5	STYRENE	0
EPD-WA-06-042823	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-WA-06-042823	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0
EPD-WA-06-042823	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0
EPD-WA-06-042823	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	
EPD-WA-06-042823	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0
EPD-WA-06-042823	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0
EPD-WA-06-042823	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-WA-06-042823	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0
EPD-WA-06-042823	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-WA-06-042823	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0
EPD-WA-06-042823	TO-15 SIM	71-43-2	BENZENE	0
EPD-WA-06-042823	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0
EPD-WA-06-042823	TO-15 SIM	75-00-3	CHLOROETHANE	
EPD-WA-06-042823	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-WA-06-042823	TO-15 SIM	74-87-3	CHLOROMETHANE	0
EPD-WA-06-042823	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0
EPD-WA-06-042823	TO-15 SIM	100-41-4	ETHYL BENZENE	0
EPD-WA-06-042823	TO-15 SIM	76-14-2	FREON 114	0.
EPD-WA-06-042823	TO-15 SIM	75-71-8	FREON 12	
EPD-WA-06-042823	TO-15 SIM	179601-23-1	M,P-XYLENE	0
EPD-WA-06-042823	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0
EPD-WA-06-042823	TO-15 SIM	91-20-3	NAPHTHALENE	0
EPD-WA-06-042823	TO-15 SIM	95-47-6	O-XYLENE	0
EPD-WA-06-042823	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-06-042823	TO-15 SIM	108-88-3	TOLUENE	0
EPD-WA-06-042823	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0
EPD-WA-06-042823	TO-15 SIM	79-01-6	TRICHLOROETHENE	0
EPD-WA-06-042823	TO-15 SIM	75-01-4	VINYL CHLORIDE	0

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

Site Name	E Palestine Site - ER	TO/TOLIN No.	68HE0520F0032/000
Document Tracking No.	DTN 1836		
Laboratory Report No.	2305020	Laboratory	Eurofins Air Toxics, L
Analyses	Volatile organic compounds (VOCs) by EPA Method TO-15 with tentatively identified compounds with selective ion monitoring (SIM)		
Samples and Matrix	Nine (9) Air Samples, including one (1) field duplicate		
Collection Date(s)	04/29/2023		
Field Duplicate Pairs	EPD-WA-06-042923/EPD-WA-66-042923		
Field QC Blanks	NA		

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 2019), which were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment (START V), EPA Region 5, Revision 4* (August 2022), and the EPA *National Functional Guidelines (NFG) for Organic Superfund Site Remediation 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 the validation.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	The laboratory case narrative notes the following sample receipt discrepancies: - “The COC information for sample EPD-WA-66-042923 did not match the entry on the sample tag with reagent identification. The information on the sample tag was used to process and report the sample.”



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

	- "There was a difference (greater than or equal to 5.0" Hg) between the measured canister receipt vacuum reported on the Chain of Custody (COC) for sample EPD-WA-66-042923. A leak test indicated that the vacuum was not properly."
--	--

Method blanks:

Within Criteria	Exceedance/Notes
N	<p>TO-15: The method blank reported Methylene Chloride. The result in EPD-WA-66-042923 (2305020-02A) > R method blank and was therefore qualified as estimated with a high bias (J+). The Methylene Chloride results were qualified as not detected (U) at the Reporting Limit (RL):</p> <p>EPD-WA-05-042923 (2305020-01A) EPD-DW-G-042923 (2305020-04A) EPD-WA-03-042923 (2305020-05A) EPD-WA-02-042923 (2305020-06A) EPD-WA-01-042923 (2305020-07A) EPD-WA-04-042923 (2305020-08A) EPD-UW-C-042923 (2305020-09A)</p> <p>TO-15 SIM: The method blank reported 1,4-Dichlorobenzene. The samples were unaffected.</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
N	The trans-1,2-Dichloroethene results in the following were qualified as estimated due to field duplicate imprecision: EPD-WA-06-042923 (2305020-03B) - UJ EPD-WA-66-042923 (2305020-02B) - J

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	Container dilution = 1.34, 1.24, 1.77, 1.46, 1.44, 1.50, 1.43, 1.44 & 1.47 Canister dilution = 1.34, 1.24, 1.77, 1.46, 1.44, 1.50, 1.43, 1.44 & 1.47



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

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
Y	

Other [specify]:

Within Criteria	Exceedance/Notes
N	<p>The field-measured ending vacuum pressure was above -2 inches of mercury for EPD-WA-06-042923. This indicates the canister may have filled more quickly than intended and that the canister may have filled up before the end of the sampling period. Because it cannot be known when during the sampling period the canister filled completely, the results may not be representative of the matrix conditions over the entire sampling period. The analytical results for the sample should be used with caution.</p> <p>The field-measured ending vacuum pressure is lower than -10 inches of mercury for EPD-WA-66-042923. This indicates the canister filled up more slowly than intended. While a sample was collected, the sample volume is lower than intended. The lower volume may have affected analytical sensitivity (possibly leading to elevated MDL and RL values).</p>



**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 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, but is biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample, but is 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 consistent with the associated value due to deficiencies in one or more quality control criteria.



Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-DW-G-042923	TO-15	120-82-1	1,2,4-TRICHLOROENZENE	
EPD-DW-G-042923	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	C
EPD-DW-G-042923	TO-15	95-50-1	1,2-DICHLOROENZENE	C
EPD-DW-G-042923	TO-15	78-87-5	1,2-DICHLOROPROPANE	C
EPD-DW-G-042923	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	C
EPD-DW-G-042923	TO-15	106-99-0	1,3-BUTADIENE	C
EPD-DW-G-042923	TO-15	541-73-1	1,3-DICHLOROENZENE	C
EPD-DW-G-042923	TO-15	123-91-1	1,4-DIOXANE	C
EPD-DW-G-042923	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	
EPD-DW-G-042923	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	C
EPD-DW-G-042923	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-DW-G-042923	TO-15	591-78-6	2-HEXANONE	
EPD-DW-G-042923	TO-15	67-63-0	2-PROPANOL	
EPD-DW-G-042923	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-DW-G-042923	TO-15	622-96-8	4-ETHYLTOLUENE	C
EPD-DW-G-042923	TO-15	108-10-1	4-METHYL-2-PENTANONE	
EPD-DW-G-042923	TO-15	67-64-1	ACETONE	
EPD-DW-G-042923	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	C
EPD-DW-G-042923	TO-15	75-27-4	BROMODICHLOROMETHANE	C
EPD-DW-G-042923	TO-15	75-25-2	BROMOFORM	
EPD-DW-G-042923	TO-15	74-83-9	BROMOMETHANE	
EPD-DW-G-042923	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	
EPD-DW-G-042923	TO-15	75-15-0	CARBON DISULFIDE	
EPD-DW-G-042923	TO-15	108-90-7	CHLOROENZENE	C
EPD-DW-G-042923	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	C
EPD-DW-G-042923	TO-15	98-82-8	CUMENE	C
EPD-DW-G-042923	TO-15	110-82-7	CYCLOHEXANE	
EPD-DW-G-042923	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-DW-G-042923	TO-15	127204-12-0	DODECANE, 2,2,11,11-TETRAMETHYL-	
EPD-DW-G-042923	TO-15	112-95-8	EICOSANE	C
EPD-DW-G-042923	TO-15	75-37-6	ETHANE, 1,1-DIFLUORO-	
EPD-DW-G-042923	TO-15	64-17-5	ETHANOL	
EPD-DW-G-042923	TO-15	75-69-4	FREON 11	
EPD-DW-G-042923	TO-15	76-13-1	FREON 113	C
EPD-DW-G-042923	TO-15	6418-47-9	HENEICOSANE, 3-METHYL-	
EPD-DW-G-042923	TO-15	142-82-5	HEPTANE	
EPD-DW-G-042923	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-DW-G-042923	TO-15	110-54-3	HEXANE	
EPD-DW-G-042923	TO-15	75-09-2	METHYLENE CHLORIDE	C
EPD-DW-G-042923	TO-15	109-66-0	PENTANE	
EPD-DW-G-042923	TO-15	103-65-1	PROPYLBENZENE	C
EPD-DW-G-042923	TO-15	100-42-5	STYRENE	C
EPD-DW-G-042923	TO-15	109-99-9	TETRAHYDROFURAN	C
EPD-DW-G-042923	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	C
EPD-DW-G-042923	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	C
EPD-DW-G-042923	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	
EPD-DW-G-042923	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	C
EPD-DW-G-042923	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-UW-C-042923	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	
EPD-UW-C-042923	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	
EPD-UW-C-042923	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-UW-C-042923	TO-15	591-78-6	2-HEXANONE	
EPD-UW-C-042923	TO-15	67-63-0	2-PROPANOL	
EPD-UW-C-042923	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-UW-C-042923	TO-15	622-96-8	4-ETHYLTOLUENE	C
EPD-UW-C-042923	TO-15	108-10-1	4-METHYL-2-PENTANONE	
EPD-UW-C-042923	TO-15	67-64-1	ACETONE	
EPD-UW-C-042923	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	C
EPD-UW-C-042923	TO-15	75-27-4	BROMODICHLOROMETHANE	C
EPD-UW-C-042923	TO-15	75-25-2	BROMOFORM	
EPD-UW-C-042923	TO-15	74-83-9	BROMOMETHANE	
EPD-UW-C-042923	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	
EPD-UW-C-042923	TO-15	75-15-0	CARBON DISULFIDE	
EPD-UW-C-042923	TO-15	108-90-7	CHLOROBENZENE	C
EPD-UW-C-042923	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	C
EPD-UW-C-042923	TO-15	98-82-8	CUMENE	C
EPD-UW-C-042923	TO-15	110-82-7	CYCLOHEXANE	
EPD-UW-C-042923	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-UW-C-042923	TO-15	64-17-5	ETHANOL	
EPD-UW-C-042923	TO-15	75-69-4	FREON 11	
EPD-UW-C-042923	TO-15	76-13-1	FREON 113	C
EPD-UW-C-042923	TO-15	142-82-5	HEPTANE	
EPD-UW-C-042923	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-UW-C-042923	TO-15	110-54-3	HEXANE	
EPD-UW-C-042923	TO-15	75-09-2	METHYLENE CHLORIDE	C
EPD-UW-C-042923	TO-15	103-65-1	PROPYLBENZENE	C
EPD-UW-C-042923	TO-15	100-42-5	STYRENE	C
EPD-UW-C-042923	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-UW-C-042923	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	C
EPD-UW-C-042923	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	C
EPD-UW-C-042923	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	
EPD-UW-C-042923	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	C
EPD-UW-C-042923	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	C
EPD-UW-C-042923	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-UW-C-042923	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	C
EPD-UW-C-042923	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-UW-C-042923	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	C
EPD-UW-C-042923	TO-15 SIM	71-43-2	BENZENE	C
EPD-UW-C-042923	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	C
EPD-UW-C-042923	TO-15 SIM	75-00-3	CHLOROETHANE	C
EPD-UW-C-042923	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-UW-C-042923	TO-15 SIM	74-87-3	CHLOROMETHANE	C
EPD-UW-C-042923	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	C
EPD-UW-C-042923	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-UW-C-042923	TO-15 SIM	76-14-2	FREON 114	C
EPD-UW-C-042923	TO-15 SIM	75-71-8	FREON 12	

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY
 EUROFINS AIR TOXICS REPORT NO. 2305020

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-01-042923	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	
EPD-WA-01-042923	TO-15	75-15-0	CARBON DISULFIDE	
EPD-WA-01-042923	TO-15	108-90-7	CHLOROBENZENE	
EPD-WA-01-042923	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	
EPD-WA-01-042923	TO-15	98-82-8	CUMENE	
EPD-WA-01-042923	TO-15	110-82-7	CYCLOHEXANE	
EPD-WA-01-042923	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-WA-01-042923	TO-15	64-17-5	ETHANOL	
EPD-WA-01-042923	TO-15	75-69-4	FREON 11	
EPD-WA-01-042923	TO-15	76-13-1	FREON 113	
EPD-WA-01-042923	TO-15	142-82-5	HEPTANE	
EPD-WA-01-042923	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-WA-01-042923	TO-15	110-54-3	HEXANE	
EPD-WA-01-042923	TO-15	75-09-2	METHYLENE CHLORIDE	
EPD-WA-01-042923	TO-15	103-65-1	PROPYLBENZENE	
EPD-WA-01-042923	TO-15	100-42-5	STYRENE	
EPD-WA-01-042923	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-WA-01-042923	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	
EPD-WA-01-042923	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	
EPD-WA-01-042923	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	
EPD-WA-01-042923	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	
EPD-WA-01-042923	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	
EPD-WA-01-042923	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	
EPD-WA-01-042923	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	
EPD-WA-01-042923	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	
EPD-WA-01-042923	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	
EPD-WA-01-042923	TO-15 SIM	71-43-2	BENZENE	
EPD-WA-01-042923	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	
EPD-WA-01-042923	TO-15 SIM	75-00-3	CHLOROETHANE	
EPD-WA-01-042923	TO-15 SIM	67-66-3	CHLOROFORM	
EPD-WA-01-042923	TO-15 SIM	74-87-3	CHLOROMETHANE	
EPD-WA-01-042923	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	
EPD-WA-01-042923	TO-15 SIM	100-41-4	ETHYL BENZENE	
EPD-WA-01-042923	TO-15 SIM	76-14-2	FREON 114	
EPD-WA-01-042923	TO-15 SIM	75-71-8	FREON 12	
EPD-WA-01-042923	TO-15 SIM	179601-23-1	M,P-XYLENE	
EPD-WA-01-042923	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	
EPD-WA-01-042923	TO-15 SIM	91-20-3	NAPHTHALENE	
EPD-WA-01-042923	TO-15 SIM	95-47-6	O-XYLENE	
EPD-WA-01-042923	TO-15 SIM	127-18-4	TETRACHLOROETHENE	
EPD-WA-01-042923	TO-15 SIM	108-88-3	TOLUENE	
EPD-WA-01-042923	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	
EPD-WA-01-042923	TO-15 SIM	79-01-6	TRICHLOROETHENE	
EPD-WA-01-042923	TO-15 SIM	75-01-4	VINYL CHLORIDE	
EPD-WA-02-042923	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	
EPD-WA-02-042923	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	
EPD-WA-02-042923	TO-15	95-50-1	1,2-DICHLOROBENZENE	
EPD-WA-02-042923	TO-15	78-87-5	1,2-DICHLOROPROPANE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-02-042923	TO-15	75-09-2	METHYLENE CHLORIDE	
EPD-WA-02-042923	TO-15	103-65-1	PROPYLBENZENE	0.
EPD-WA-02-042923	TO-15	100-42-5	STYRENE	0.
EPD-WA-02-042923	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-WA-02-042923	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.
EPD-WA-02-042923	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.
EPD-WA-02-042923	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	
EPD-WA-02-042923	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.
EPD-WA-02-042923	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.
EPD-WA-02-042923	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-WA-02-042923	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.
EPD-WA-02-042923	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-WA-02-042923	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.
EPD-WA-02-042923	TO-15 SIM	71-43-2	BENZENE	0.
EPD-WA-02-042923	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.
EPD-WA-02-042923	TO-15 SIM	75-00-3	CHLOROETHANE	
EPD-WA-02-042923	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-WA-02-042923	TO-15 SIM	74-87-3	CHLOROMETHANE	0.
EPD-WA-02-042923	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.
EPD-WA-02-042923	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-WA-02-042923	TO-15 SIM	76-14-2	FREON 114	
EPD-WA-02-042923	TO-15 SIM	75-71-8	FREON 12	
EPD-WA-02-042923	TO-15 SIM	179601-23-1	M,P-XYLENE	0.
EPD-WA-02-042923	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.
EPD-WA-02-042923	TO-15 SIM	91-20-3	NAPHTHALENE	0.
EPD-WA-02-042923	TO-15 SIM	95-47-6	O-XYLENE	0.
EPD-WA-02-042923	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-02-042923	TO-15 SIM	108-88-3	TOLUENE	0.
EPD-WA-02-042923	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.
EPD-WA-02-042923	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.
EPD-WA-02-042923	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.
EPD-WA-03-042923	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	
EPD-WA-03-042923	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.
EPD-WA-03-042923	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.
EPD-WA-03-042923	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.
EPD-WA-03-042923	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.
EPD-WA-03-042923	TO-15	106-99-0	1,3-BUTADIENE	0.
EPD-WA-03-042923	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.
EPD-WA-03-042923	TO-15	123-91-1	1,4-DIOXANE	0.
EPD-WA-03-042923	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	
EPD-WA-03-042923	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	
EPD-WA-03-042923	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-WA-03-042923	TO-15	591-78-6	2-HEXANONE	
EPD-WA-03-042923	TO-15	67-63-0	2-PROPANOL	
EPD-WA-03-042923	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-WA-03-042923	TO-15	622-96-8	4-ETHYLTOLUENE	0.
EPD-WA-03-042923	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.
EPD-WA-03-042923	TO-15	67-64-1	ACETONE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-03-042923	TO-15 SIM	71-43-2	BENZENE	C
EPD-WA-03-042923	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	C
EPD-WA-03-042923	TO-15 SIM	75-00-3	CHLOROETHANE	C
EPD-WA-03-042923	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-WA-03-042923	TO-15 SIM	74-87-3	CHLOROMETHANE	C
EPD-WA-03-042923	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	C
EPD-WA-03-042923	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-WA-03-042923	TO-15 SIM	76-14-2	FREON 114	0.
EPD-WA-03-042923	TO-15 SIM	75-71-8	FREON 12	C
EPD-WA-03-042923	TO-15 SIM	179601-23-1	M,P-XYLENE	C
EPD-WA-03-042923	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	C
EPD-WA-03-042923	TO-15 SIM	91-20-3	NAPHTHALENE	C
EPD-WA-03-042923	TO-15 SIM	95-47-6	O-XYLENE	C
EPD-WA-03-042923	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-03-042923	TO-15 SIM	108-88-3	TOLUENE	C
EPD-WA-03-042923	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	C
EPD-WA-03-042923	TO-15 SIM	79-01-6	TRICHLOROETHENE	C
EPD-WA-03-042923	TO-15 SIM	75-01-4	VINYL CHLORIDE	C
EPD-WA-04-042923	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	C
EPD-WA-04-042923	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	C
EPD-WA-04-042923	TO-15	95-50-1	1,2-DICHLOROBENZENE	C
EPD-WA-04-042923	TO-15	78-87-5	1,2-DICHLOROPROPANE	C
EPD-WA-04-042923	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	C
EPD-WA-04-042923	TO-15	106-99-0	1,3-BUTADIENE	C
EPD-WA-04-042923	TO-15	541-73-1	1,3-DICHLOROBENZENE	C
EPD-WA-04-042923	TO-15	123-91-1	1,4-DIOXANE	C
EPD-WA-04-042923	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	C
EPD-WA-04-042923	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	C
EPD-WA-04-042923	TO-15	104-76-7	2-ETHYL-1-HEXANOL	C
EPD-WA-04-042923	TO-15	591-78-6	2-HEXANONE	C
EPD-WA-04-042923	TO-15	67-63-0	2-PROPANOL	C
EPD-WA-04-042923	TO-15	107-05-1	3-CHLOROPROPENE	C
EPD-WA-04-042923	TO-15	622-96-8	4-ETHYLTOLUENE	C
EPD-WA-04-042923	TO-15	108-10-1	4-METHYL-2-PENTANONE	C
EPD-WA-04-042923	TO-15	67-64-1	ACETONE	C
EPD-WA-04-042923	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	C
EPD-WA-04-042923	TO-15	75-27-4	BROMODICHLOROMETHANE	C
EPD-WA-04-042923	TO-15	75-25-2	BROMOFORM	C
EPD-WA-04-042923	TO-15	74-83-9	BROMOMETHANE	C
EPD-WA-04-042923	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	C
EPD-WA-04-042923	TO-15	75-15-0	CARBON DISULFIDE	C
EPD-WA-04-042923	TO-15	108-90-7	CHLOROBENZENE	C
EPD-WA-04-042923	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	C
EPD-WA-04-042923	TO-15	98-82-8	CUMENE	C
EPD-WA-04-042923	TO-15	110-82-7	CYCLOHEXANE	C
EPD-WA-04-042923	TO-15	124-48-1	DIBROMOCHLOROMETHANE	C
EPD-WA-04-042923	TO-15	64-17-5	ETHANOL	C
EPD-WA-04-042923	TO-15	75-69-4	FREON 11	C

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-04-042923	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-04-042923	TO-15 SIM	108-88-3	TOLUENE	0
EPD-WA-04-042923	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0
EPD-WA-04-042923	TO-15 SIM	79-01-6	TRICHLOROETHENE	0
EPD-WA-04-042923	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.
EPD-WA-05-042923	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	
EPD-WA-05-042923	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0
EPD-WA-05-042923	TO-15	95-50-1	1,2-DICHLOROBENZENE	
EPD-WA-05-042923	TO-15	78-87-5	1,2-DICHLOROPROPANE	0
EPD-WA-05-042923	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0
EPD-WA-05-042923	TO-15	106-99-0	1,3-BUTADIENE	
EPD-WA-05-042923	TO-15	541-73-1	1,3-DICHLOROBENZENE	
EPD-WA-05-042923	TO-15	123-91-1	1,4-DIOXANE	0
EPD-WA-05-042923	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	
EPD-WA-05-042923	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	
EPD-WA-05-042923	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-WA-05-042923	TO-15	591-78-6	2-HEXANONE	
EPD-WA-05-042923	TO-15	67-63-0	2-PROPANOL	
EPD-WA-05-042923	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-WA-05-042923	TO-15	622-96-8	4-ETHYLTOLUENE	0
EPD-WA-05-042923	TO-15	108-10-1	4-METHYL-2-PENTANONE	0
EPD-WA-05-042923	TO-15	67-64-1	ACETONE	
EPD-WA-05-042923	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0
EPD-WA-05-042923	TO-15	75-27-4	BROMODICHLOROMETHANE	
EPD-WA-05-042923	TO-15	75-25-2	BROMOFORM	
EPD-WA-05-042923	TO-15	74-83-9	BROMOMETHANE	
EPD-WA-05-042923	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	
EPD-WA-05-042923	TO-15	75-15-0	CARBON DISULFIDE	
EPD-WA-05-042923	TO-15	108-90-7	CHLOROBENZENE	0
EPD-WA-05-042923	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0
EPD-WA-05-042923	TO-15	98-82-8	CUMENE	0
EPD-WA-05-042923	TO-15	110-82-7	CYCLOHEXANE	
EPD-WA-05-042923	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-WA-05-042923	TO-15	64-17-5	ETHANOL	0
EPD-WA-05-042923	TO-15	75-69-4	FREON 11	
EPD-WA-05-042923	TO-15	76-13-1	FREON 113	0
EPD-WA-05-042923	TO-15	142-82-5	HEPTANE	
EPD-WA-05-042923	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-WA-05-042923	TO-15	110-54-3	HEXANE	
EPD-WA-05-042923	TO-15	75-09-2	METHYLENE CHLORIDE	0
EPD-WA-05-042923	TO-15	103-65-1	PROPYLBENZENE	0
EPD-WA-05-042923	TO-15	100-42-5	STYRENE	0
EPD-WA-05-042923	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-WA-05-042923	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0
EPD-WA-05-042923	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0
EPD-WA-05-042923	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0
EPD-WA-05-042923	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0
EPD-WA-05-042923	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-06-042923	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	
EPD-WA-06-042923	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	
EPD-WA-06-042923	TO-15	104-76-7	2-ETHYL-1-HEXANOL	
EPD-WA-06-042923	TO-15	591-78-6	2-HEXANONE	
EPD-WA-06-042923	TO-15	67-63-0	2-PROPANOL	
EPD-WA-06-042923	TO-15	107-05-1	3-CHLOROPROPENE	
EPD-WA-06-042923	TO-15	622-96-8	4-ETHYLTOLUENE	C
EPD-WA-06-042923	TO-15	108-10-1	4-METHYL-2-PENTANONE	C
EPD-WA-06-042923	TO-15	67-64-1	ACETONE	
EPD-WA-06-042923	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	C
EPD-WA-06-042923	TO-15	75-27-4	BROMODICHLOROMETHANE	
EPD-WA-06-042923	TO-15	75-25-2	BROMOFORM	
EPD-WA-06-042923	TO-15	74-83-9	BROMOMETHANE	
EPD-WA-06-042923	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	
EPD-WA-06-042923	TO-15	75-15-0	CARBON DISULFIDE	
EPD-WA-06-042923	TO-15	108-90-7	CHLOROBENZENE	C
EPD-WA-06-042923	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	
EPD-WA-06-042923	TO-15	98-82-8	CUMENE	C
EPD-WA-06-042923	TO-15	110-82-7	CYCLOHEXANE	
EPD-WA-06-042923	TO-15	124-48-1	DIBROMOCHLOROMETHANE	
EPD-WA-06-042923	TO-15	64-17-5	ETHANOL	
EPD-WA-06-042923	TO-15	75-69-4	FREON 11	
EPD-WA-06-042923	TO-15	76-13-1	FREON 113	C
EPD-WA-06-042923	TO-15	142-82-5	HEPTANE	C
EPD-WA-06-042923	TO-15	87-68-3	HEXACHLOROBUTADIENE	
EPD-WA-06-042923	TO-15	110-54-3	HEXANE	C
EPD-WA-06-042923	TO-15	75-09-2	METHYLENE CHLORIDE	
EPD-WA-06-042923	TO-15	103-65-1	PROPYLBENZENE	C
EPD-WA-06-042923	TO-15	100-42-5	STYRENE	C
EPD-WA-06-042923	TO-15	109-99-9	TETRAHYDROFURAN	
EPD-WA-06-042923	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	
EPD-WA-06-042923	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	C
EPD-WA-06-042923	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	C
EPD-WA-06-042923	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	C
EPD-WA-06-042923	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	C
EPD-WA-06-042923	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	C
EPD-WA-06-042923	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	C
EPD-WA-06-042923	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.
EPD-WA-06-042923	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	C
EPD-WA-06-042923	TO-15 SIM	71-43-2	BENZENE	C
EPD-WA-06-042923	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	C
EPD-WA-06-042923	TO-15 SIM	75-00-3	CHLOROETHANE	C
EPD-WA-06-042923	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-WA-06-042923	TO-15 SIM	74-87-3	CHLOROMETHANE	C
EPD-WA-06-042923	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	C
EPD-WA-06-042923	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-WA-06-042923	TO-15 SIM	76-14-2	FREON 114	
EPD-WA-06-042923	TO-15 SIM	75-71-8	FREON 12	

Sample_ID	Method	CAS#	Analyte	Lab_Re
EPD-WA-66-042923	TO-15	106-97-8	BUTANE	C
EPD-WA-66-042923	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	C
EPD-WA-66-042923	TO-15	75-15-0	CARBON DISULFIDE	C
EPD-WA-66-042923	TO-15	108-90-7	CHLOROBENZENE	C
EPD-WA-66-042923	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	C
EPD-WA-66-042923	TO-15	98-82-8	CUMENE	C
EPD-WA-66-042923	TO-15	110-82-7	CYCLOHEXANE	C
EPD-WA-66-042923	TO-15	124-48-1	DIBROMOCHLOROMETHANE	C
EPD-WA-66-042923	TO-15	64-17-5	ETHANOL	C
EPD-WA-66-042923	TO-15	75-69-4	FREON 11	C
EPD-WA-66-042923	TO-15	76-13-1	FREON 113	C
EPD-WA-66-042923	TO-15	142-82-5	HEPTANE	C
EPD-WA-66-042923	TO-15	87-68-3	HEXACHLOROBUTADIENE	C
EPD-WA-66-042923	TO-15	110-54-3	HEXANE	C
EPD-WA-66-042923	TO-15	75-09-2	METHYLENE CHLORIDE	C
EPD-WA-66-042923	TO-15	103-65-1	PROPYLBENZENE	C
EPD-WA-66-042923	TO-15	100-42-5	STYRENE	C
EPD-WA-66-042923	TO-15	109-99-9	TETRAHYDROFURAN	C
EPD-WA-66-042923	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	C
EPD-WA-66-042923	TO-15	NA	UNKNOWN TIC	C
EPD-WA-66-042923	TO-15	NA	UNKNOWN TIC	C
EPD-WA-66-042923	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	C
EPD-WA-66-042923	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	C
EPD-WA-66-042923	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	C
EPD-WA-66-042923	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	C
EPD-WA-66-042923	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.
EPD-WA-66-042923	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	C
EPD-WA-66-042923	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	C
EPD-WA-66-042923	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	C
EPD-WA-66-042923	TO-15 SIM	71-43-2	BENZENE	C
EPD-WA-66-042923	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	C
EPD-WA-66-042923	TO-15 SIM	75-00-3	CHLOROETHANE	C
EPD-WA-66-042923	TO-15 SIM	67-66-3	CHLOROFORM	0.
EPD-WA-66-042923	TO-15 SIM	74-87-3	CHLOROMETHANE	C
EPD-WA-66-042923	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.
EPD-WA-66-042923	TO-15 SIM	100-41-4	ETHYL BENZENE	0.
EPD-WA-66-042923	TO-15 SIM	76-14-2	FREON 114	C
EPD-WA-66-042923	TO-15 SIM	75-71-8	FREON 12	C
EPD-WA-66-042923	TO-15 SIM	179601-23-1	M,P-XYLENE	C
EPD-WA-66-042923	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	C
EPD-WA-66-042923	TO-15 SIM	91-20-3	NAPHTHALENE	C
EPD-WA-66-042923	TO-15 SIM	95-47-6	O-XYLENE	C
EPD-WA-66-042923	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.
EPD-WA-66-042923	TO-15 SIM	108-88-3	TOLUENE	C
EPD-WA-66-042923	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	C
EPD-WA-66-042923	TO-15 SIM	79-01-6	TRICHLOROETHENE	C
EPD-WA-66-042923	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.