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May 26, 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. 1856**

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 May 3-5, 2023, and were analyzed for VOCs by Eurofins Air Toxics laboratory in Folsom, California. The final laboratory data package was received on May 13, 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  
QC Reviewer

Tom Hahne  
Digitally signed by Tom Hahne  
Date: 2023.05.26 09:29:09 -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

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**ATTACHMENT**

**DATA VALIDATION REPORT  
EUROFINS AIR TOXICS REPORT NOS. 2305077, 2305110, AND  
2305150**

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

<b>Site Name</b>	E Palestine Site - ER	<b>TO/TOLIN No.</b>	68HE0520F0032/000
<b>Document Tracking No.</b>	DTN 1856a		
<b>Laboratory Report No.</b>	2305077	<b>Laboratory</b>	Eurofins Air Toxics, L
<b>Analyses</b>	Volatile organic compounds (VOCs) by EPA Method TO-15 including tentatively identified compounds by EPA Method TO-15 with selective ion monitoring (SIM)		
<b>Samples and Matrix</b>	Nine (9) Air Samples, including one (1) field duplicate		
<b>Collection Date(s)</b>	05/03/2023		
<b>Field Duplicate Pairs</b>	EPD-WA-03-050323/EPD-WA-33-050323		
<b>Field QC Blanks</b>	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 Sampling and Analysis 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
Y	TO-15 SIM: The method blank reported 1,4-Dichlorobenzene. 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	

**Field duplicates:**

Within Criteria	Exceedance/Notes
Y	

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

**LCSs/LCSDs:**

Within Criteria	Exceedance/Notes
N	TO-15 SIM: The recovery was less than QC limits for 1,4-Dichlorobenzene. The results in all samples were not therefore qualified as estimated (UJ).

**Sample dilutions:**

Within Criteria	Exceedance/Notes
Y	Container dilution = 1.33, 1.30, 1.41, 1.35, 1.32, 1.34, 1.31, 1.31 & 1.38 Canister dilution = 1.33, 1.30, 1.41, 1.35, 1.32, 1.34, 1.31, 1.31 & 1.38

**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]:**

<b>Within Criteria</b>	<b>Exceedance/Notes</b>
N	The residual canister receipt vacuum values in the laboratory report are positive and should not be. The labo and confirmed that the values are negative, even though the minus signs are not present, and that the labora following convention for recording Summa canister vacuums and pressures: vacuums are recorded as positiv of inches of mercury ("Hg), and positive pressures are recorded using the unit pounds per square inch (psi). N applied.

**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.

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS AIR TOXICS REPORT NO. 2305077

Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-DW-C-050323	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	5.1 U
EPD-DW-C-050323	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.47 J
EPD-DW-C-050323	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.83 U
EPD-DW-C-050323	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.64 U
EPD-DW-C-050323	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.34 J
EPD-DW-C-050323	TO-15	106-99-0	1,3-BUTADIENE	0.3 U
EPD-DW-C-050323	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.83 U
EPD-DW-C-050323	TO-15	123-91-1	1,4-DIOXANE	0.5 U
EPD-DW-C-050323	TO-15	13151-05-8	1-HEPTENE, 4-METHYL-	8.7 N
EPD-DW-C-050323	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	100
EPD-DW-C-050323	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	2 U
EPD-DW-C-050323	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0 U
EPD-DW-C-050323	TO-15	591-78-6	2-HEXANONE	2.8 U
EPD-DW-C-050323	TO-15	67-63-0	2-PROPANOL	6.8 U
EPD-DW-C-050323	TO-15	107-05-1	3-CHLOROPROPENE	2.2 U
EPD-DW-C-050323	TO-15	622-96-8	4-ETHYLTOLUENE	0.18 J
EPD-DW-C-050323	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.56 U
EPD-DW-C-050323	TO-15	67-64-1	ACETONE	3.2 J
EPD-DW-C-050323	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.71 U
EPD-DW-C-050323	TO-15	75-27-4	BROMODICHLOROMETHANE	0.92 U
EPD-DW-C-050323	TO-15	75-25-2	BROMOFORM	1.4 U
EPD-DW-C-050323	TO-15	74-83-9	BROMOMETHANE	27 U
EPD-DW-C-050323	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0 U
EPD-DW-C-050323	TO-15	75-15-0	CARBON DISULFIDE	2.1 U
EPD-DW-C-050323	TO-15	108-90-7	CHLOROBENZENE	0.64 U
EPD-DW-C-050323	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.63 U
EPD-DW-C-050323	TO-15	98-82-8	CUMENE	0.38 J
EPD-DW-C-050323	TO-15	110-82-7	CYCLOHEXANE	48
EPD-DW-C-050323	TO-15	638-04-0	CYCLOHEXANE, 1,3-DIMETHYL-, CIS-	11 N
EPD-DW-C-050323	TO-15	1678-91-7	CYCLOHEXANE, ETHYL-	5.8 N
EPD-DW-C-050323	TO-15	108-87-2	CYCLOHEXANE, METHYL-	46 N
EPD-DW-C-050323	TO-15	96-37-7	CYCLOPENTANE, METHYL-	13 N
EPD-DW-C-050323	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2 U
EPD-DW-C-050323	TO-15	64-17-5	ETHANOL	16 U
EPD-DW-C-050323	TO-15	75-69-4	FREON 11	1.1
EPD-DW-C-050323	TO-15	76-13-1	FREON 113	0.45 J
EPD-DW-C-050323	TO-15	142-82-5	HEPTANE	60
EPD-DW-C-050323	TO-15	52896-91-0	HEPTANE, 3-ETHYL-4-METHYL-	18 N
EPD-DW-C-050323	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.4 U
EPD-DW-C-050323	TO-15	110-54-3	HEXANE	22
EPD-DW-C-050323	TO-15	591-76-4	HEXANE, 2-METHYL-	11 N
EPD-DW-C-050323	TO-15	75-09-2	METHYLENE CHLORIDE	0.62 J
EPD-DW-C-050323	TO-15	560-21-4	PENTANE, 2,3,3-TRIMETHYL-	14 N
EPD-DW-C-050323	TO-15	108-08-7	PENTANE, 2,4-DIMETHYL-	5.7 N
EPD-DW-C-050323	TO-15	107-83-5	PENTANE, 2-METHYL-	7.6 N
EPD-DW-C-050323	TO-15	103-65-1	PROPYLBENZENE	0.25 J
EPD-DW-C-050323	TO-15	100-42-5	STYRENE	0.59 U
EPD-DW-C-050323	TO-15	109-99-9	TETRAHYDROFURAN	2 U



E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS AIR TOXICS REPORT NO. 2305077

Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-DW-C-050323	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.15 U
EPD-DW-C-050323	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.04
EPD-UW-G-050323	TO-15	120-82-1	1,2,4-TRICHLOROENZENE	5.2 U
EPD-UW-G-050323	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.22 J
EPD-UW-G-050323	TO-15	95-50-1	1,2-DICHLOROENZENE	0.85 U
EPD-UW-G-050323	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.65 U
EPD-UW-G-050323	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.69 U
EPD-UW-G-050323	TO-15	106-99-0	1,3-BUTADIENE	0.31 U
EPD-UW-G-050323	TO-15	541-73-1	1,3-DICHLOROENZENE	0.85 U
EPD-UW-G-050323	TO-15	123-91-1	1,4-DIOXANE	0.51 U
EPD-UW-G-050323	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3.3 U
EPD-UW-G-050323	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	2.1 U
EPD-UW-G-050323	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0 U
EPD-UW-G-050323	TO-15	591-78-6	2-HEXANONE	2.9 U
EPD-UW-G-050323	TO-15	67-63-0	2-PROPANOL	6.9 U
EPD-UW-G-050323	TO-15	107-05-1	3-CHLOROPROPENE	2.2 U
EPD-UW-G-050323	TO-15	622-96-8	4-ETHYLTOLUENE	0.69 U
EPD-UW-G-050323	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.58 U
EPD-UW-G-050323	TO-15	67-64-1	ACETONE	4 J
EPD-UW-G-050323	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.73 U
EPD-UW-G-050323	TO-15	75-27-4	BROMODICHLOROMETHANE	0.94 U
EPD-UW-G-050323	TO-15	75-25-2	BROMOFORM	1.4 U
EPD-UW-G-050323	TO-15	74-83-9	BROMOMETHANE	27 U
EPD-UW-G-050323	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0 U
EPD-UW-G-050323	TO-15	75-15-0	CARBON DISULFIDE	2.2 U
EPD-UW-G-050323	TO-15	108-90-7	CHLOROENZENE	0.65 U
EPD-UW-G-050323	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.64 U
EPD-UW-G-050323	TO-15	98-82-8	CUMENE	0.69 U
EPD-UW-G-050323	TO-15	110-82-7	CYCLOHEXANE	2.4 U
EPD-UW-G-050323	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2 U
EPD-UW-G-050323	TO-15	64-17-5	ETHANOL	0.87 J
EPD-UW-G-050323	TO-15	75-69-4	FREON 11	1.3
EPD-UW-G-050323	TO-15	76-13-1	FREON 113	0.5 J
EPD-UW-G-050323	TO-15	142-82-5	HEPTANE	2.9 U
EPD-UW-G-050323	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.5 U
EPD-UW-G-050323	TO-15	110-54-3	HEXANE	2.5 U
EPD-UW-G-050323	TO-15	75-09-2	METHYLENE CHLORIDE	0.68 J
EPD-UW-G-050323	TO-15	103-65-1	PROPYLBENZENE	0.69 U
EPD-UW-G-050323	TO-15	100-42-5	STYRENE	0.6 U
EPD-UW-G-050323	TO-15	109-99-9	TETRAHYDROFURAN	2.1 U
EPD-UW-G-050323	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.64 U
EPD-UW-G-050323	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.15 U
EPD-UW-G-050323	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.19 U
EPD-UW-G-050323	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.15 U
EPD-UW-G-050323	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11 U
EPD-UW-G-050323	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.056 U
EPD-UW-G-050323	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.22 U
EPD-UW-G-050323	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.065

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
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Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-WA-01-050323	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.79	U
EPD-WA-01-050323	TO-15	123-91-1	1,4-DIOXANE	0.47	U
EPD-WA-01-050323	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3	U
EPD-WA-01-050323	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	1.9	U
EPD-WA-01-050323	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0	U
EPD-WA-01-050323	TO-15	591-78-6	2-HEXANONE	2.7	U
EPD-WA-01-050323	TO-15	67-63-0	2-PROPANOL	6.4	U
EPD-WA-01-050323	TO-15	107-05-1	3-CHLOROPROPENE	2	U
EPD-WA-01-050323	TO-15	622-96-8	4-ETHYLTOLUENE	0.64	U
EPD-WA-01-050323	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.54	U
EPD-WA-01-050323	TO-15	67-64-1	ACETONE	2.6	J
EPD-WA-01-050323	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.68	U
EPD-WA-01-050323	TO-15	75-27-4	BROMODICHLOROMETHANE	0.88	U
EPD-WA-01-050323	TO-15	75-25-2	BROMOFORM	1.4	U
EPD-WA-01-050323	TO-15	74-83-9	BROMOMETHANE	25	U
EPD-WA-01-050323	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0	U
EPD-WA-01-050323	TO-15	75-15-0	CARBON DISULFIDE	2	U
EPD-WA-01-050323	TO-15	108-90-7	CHLOROBENZENE	0.6	U
EPD-WA-01-050323	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.59	U
EPD-WA-01-050323	TO-15	98-82-8	CUMENE	0.64	U
EPD-WA-01-050323	TO-15	110-82-7	CYCLOHEXANE	2.2	U
EPD-WA-01-050323	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.1	U
EPD-WA-01-050323	TO-15	64-17-5	ETHANOL	15	U
EPD-WA-01-050323	TO-15	75-69-4	FREON 11	1.1	U
EPD-WA-01-050323	TO-15	76-13-1	FREON 113	0.48	J
EPD-WA-01-050323	TO-15	142-82-5	HEPTANE	2.7	U
EPD-WA-01-050323	TO-15	87-68-3	HEXACHLOROBUTADIENE	7	U
EPD-WA-01-050323	TO-15	110-54-3	HEXANE	2.3	U
EPD-WA-01-050323	TO-15	75-09-2	METHYLENE CHLORIDE	0.59	J
EPD-WA-01-050323	TO-15	103-65-1	PROPYLBENZENE	0.64	U
EPD-WA-01-050323	TO-15	100-42-5	STYRENE	0.56	U
EPD-WA-01-050323	TO-15	109-99-9	TETRAHYDROFURAN	1.9	U
EPD-WA-01-050323	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.59	U
EPD-WA-01-050323	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.14	U
EPD-WA-01-050323	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.18	U
EPD-WA-01-050323	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.14	U
EPD-WA-01-050323	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11	U
EPD-WA-01-050323	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.052	U
EPD-WA-01-050323	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.2	U
EPD-WA-01-050323	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.071	J
EPD-WA-01-050323	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16	U
EPD-WA-01-050323	TO-15 SIM	71-43-2	BENZENE	0.51	U
EPD-WA-01-050323	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.45	U
EPD-WA-01-050323	TO-15 SIM	75-00-3	CHLOROETHANE	0.17	U
EPD-WA-01-050323	TO-15 SIM	67-66-3	CHLOROFORM	0.065	J
EPD-WA-01-050323	TO-15 SIM	74-87-3	CHLOROMETHANE	0.76	J
EPD-WA-01-050323	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.1	U
EPD-WA-01-050323	TO-15 SIM	100-41-4	ETHYL BENZENE	0.094	J

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
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Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-WA-02-050323	TO-15	622-96-8	4-ETHYLTOLUENE	0.66	U
EPD-WA-02-050323	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.55	U
EPD-WA-02-050323	TO-15	67-64-1	ACETONE	3.3	U
EPD-WA-02-050323	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.69	U
EPD-WA-02-050323	TO-15	75-27-4	BROMODICHLOROMETHANE	0.9	U
EPD-WA-02-050323	TO-15	75-25-2	BROMOFORM	1.4	U
EPD-WA-02-050323	TO-15	74-83-9	BROMOMETHANE	26	U
EPD-WA-02-050323	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0	U
EPD-WA-02-050323	TO-15	75-15-0	CARBON DISULFIDE	2.1	U
EPD-WA-02-050323	TO-15	108-90-7	CHLOROBENZENE	0.62	U
EPD-WA-02-050323	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.61	U
EPD-WA-02-050323	TO-15	98-82-8	CUMENE	0.66	U
EPD-WA-02-050323	TO-15	110-82-7	CYCLOHEXANE	2.3	U
EPD-WA-02-050323	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.1	U
EPD-WA-02-050323	TO-15	64-17-5	ETHANOL	16	U
EPD-WA-02-050323	TO-15	75-69-4	FREON 11	1.1	U
EPD-WA-02-050323	TO-15	76-13-1	FREON 113	0.44	J
EPD-WA-02-050323	TO-15	142-82-5	HEPTANE	2.7	U
EPD-WA-02-050323	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.1	U
EPD-WA-02-050323	TO-15	110-54-3	HEXANE	2.4	U
EPD-WA-02-050323	TO-15	75-09-2	METHYLENE CHLORIDE	0.64	J
EPD-WA-02-050323	TO-15	103-65-1	PROPYLBENZENE	0.66	U
EPD-WA-02-050323	TO-15	100-42-5	STYRENE	0.57	U
EPD-WA-02-050323	TO-15	109-99-9	TETRAHYDROFURAN	2	U
EPD-WA-02-050323	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.61	U
EPD-WA-02-050323	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.15	U
EPD-WA-02-050323	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.18	U
EPD-WA-02-050323	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.15	U
EPD-WA-02-050323	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11	U
EPD-WA-02-050323	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.053	U
EPD-WA-02-050323	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.2	U
EPD-WA-02-050323	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.07	J
EPD-WA-02-050323	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16	U
EPD-WA-02-050323	TO-15 SIM	71-43-2	BENZENE	0.27	U
EPD-WA-02-050323	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.46	U
EPD-WA-02-050323	TO-15 SIM	75-00-3	CHLOROETHANE	0.18	U
EPD-WA-02-050323	TO-15 SIM	67-66-3	CHLOROFORM	0.064	J
EPD-WA-02-050323	TO-15 SIM	74-87-3	CHLOROMETHANE	1.4	U
EPD-WA-02-050323	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11	U
EPD-WA-02-050323	TO-15 SIM	100-41-4	ETHYL BENZENE	0.06	J
EPD-WA-02-050323	TO-15 SIM	76-14-2	FREON 114	0.1	J
EPD-WA-02-050323	TO-15 SIM	75-71-8	FREON 12	2.2	U
EPD-WA-02-050323	TO-15 SIM	179601-23-1	M,P-XYLENE	0.24	U
EPD-WA-02-050323	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.48	U
EPD-WA-02-050323	TO-15 SIM	91-20-3	NAPHTHALENE	0.35	U
EPD-WA-02-050323	TO-15 SIM	95-47-6	O-XYLENE	0.089	J
EPD-WA-02-050323	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.043	J
EPD-WA-02-050323	TO-15 SIM	108-88-3	TOLUENE	0.37	U

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Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-03-050323	TO-15	75-15-0	CARBON DISULFIDE	0.79 U
EPD-WA-03-050323	TO-15	108-90-7	CHLOROBENZENE	0.6 U
EPD-WA-03-050323	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.59 U
EPD-WA-03-050323	TO-15	98-82-8	CUMENE	0.64 U
EPD-WA-03-050323	TO-15	110-82-7	CYCLOHEXANE	2.2 U
EPD-WA-03-050323	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.1 U
EPD-WA-03-050323	TO-15	64-17-5	ETHANOL	15 U
EPD-WA-03-050323	TO-15	75-69-4	FREON 11	1.1 U
EPD-WA-03-050323	TO-15	76-13-1	FREON 113	0.46 U
EPD-WA-03-050323	TO-15	142-82-5	HEPTANE	2.7 U
EPD-WA-03-050323	TO-15	87-68-3	HEXACHLOROBUTADIENE	6.9 U
EPD-WA-03-050323	TO-15	110-54-3	HEXANE	2.3 U
EPD-WA-03-050323	TO-15	75-09-2	METHYLENE CHLORIDE	0.54 U
EPD-WA-03-050323	TO-15	103-65-1	PROPYLBENZENE	0.64 U
EPD-WA-03-050323	TO-15	100-42-5	STYRENE	0.55 U
EPD-WA-03-050323	TO-15	109-99-9	TETRAHYDROFURAN	0.87 U
EPD-WA-03-050323	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.59 U
EPD-WA-03-050323	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.14 U
EPD-WA-03-050323	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.18 U
EPD-WA-03-050323	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.14 U
EPD-WA-03-050323	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.1 U
EPD-WA-03-050323	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.052 U
EPD-WA-03-050323	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.2 U
EPD-WA-03-050323	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.07 U
EPD-WA-03-050323	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16 U
EPD-WA-03-050323	TO-15 SIM	71-43-2	BENZENE	0.29 U
EPD-WA-03-050323	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.45 U
EPD-WA-03-050323	TO-15 SIM	75-00-3	CHLOROETHANE	0.17 U
EPD-WA-03-050323	TO-15 SIM	67-66-3	CHLOROFORM	0.067 U
EPD-WA-03-050323	TO-15 SIM	74-87-3	CHLOROMETHANE	0.79 U
EPD-WA-03-050323	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.1 U
EPD-WA-03-050323	TO-15 SIM	100-41-4	ETHYL BENZENE	0.059 U
EPD-WA-03-050323	TO-15 SIM	76-14-2	FREON 114	0.1 U
EPD-WA-03-050323	TO-15 SIM	75-71-8	FREON 12	2.2 U
EPD-WA-03-050323	TO-15 SIM	179601-23-1	M,P-XYLENE	0.23 U
EPD-WA-03-050323	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.47 U
EPD-WA-03-050323	TO-15 SIM	91-20-3	NAPHTHALENE	0.34 U
EPD-WA-03-050323	TO-15 SIM	95-47-6	O-XYLENE	0.086 U
EPD-WA-03-050323	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.037 U
EPD-WA-03-050323	TO-15 SIM	108-88-3	TOLUENE	0.42 U
EPD-WA-03-050323	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.75 U
EPD-WA-03-050323	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.023 U
EPD-WA-03-050323	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.033 U
EPD-WA-04-050323	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	4.9 U
EPD-WA-04-050323	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.64 U
EPD-WA-04-050323	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.79 U
EPD-WA-04-050323	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.6 U
EPD-WA-04-050323	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.64 U

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Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-04-050323	TO-15	76-13-1	FREON 113	0.45 J
EPD-WA-04-050323	TO-15	142-82-5	HEPTANE	2.7 U
EPD-WA-04-050323	TO-15	87-68-3	HEXACHLOROBUTADIENE	7 U
EPD-WA-04-050323	TO-15	110-54-3	HEXANE	2.3 U
EPD-WA-04-050323	TO-15	75-09-2	METHYLENE CHLORIDE	0.72 J
EPD-WA-04-050323	TO-15	103-65-1	PROPYLBENZENE	0.64 U
EPD-WA-04-050323	TO-15	100-42-5	STYRENE	0.56 U
EPD-WA-04-050323	TO-15	109-99-9	TETRAHYDROFURAN	1.9 U
EPD-WA-04-050323	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.59 U
EPD-WA-04-050323	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.14 U
EPD-WA-04-050323	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.18 U
EPD-WA-04-050323	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.14 U
EPD-WA-04-050323	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11 U
EPD-WA-04-050323	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.052 U
EPD-WA-04-050323	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.2 U
EPD-WA-04-050323	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.07 J
EPD-WA-04-050323	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16 U
EPD-WA-04-050323	TO-15 SIM	71-43-2	BENZENE	0.67
EPD-WA-04-050323	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.45
EPD-WA-04-050323	TO-15 SIM	75-00-3	CHLOROETHANE	0.17 U
EPD-WA-04-050323	TO-15 SIM	67-66-3	CHLOROFORM	0.07 J
EPD-WA-04-050323	TO-15 SIM	74-87-3	CHLOROMETHANE	0.77 J
EPD-WA-04-050323	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.1 U
EPD-WA-04-050323	TO-15 SIM	100-41-4	ETHYL BENZENE	0.096 J
EPD-WA-04-050323	TO-15 SIM	76-14-2	FREON 114	0.099 J
EPD-WA-04-050323	TO-15 SIM	75-71-8	FREON 12	2.1
EPD-WA-04-050323	TO-15 SIM	179601-23-1	M,P-XYLENE	0.4
EPD-WA-04-050323	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.47 U
EPD-WA-04-050323	TO-15 SIM	91-20-3	NAPHTHALENE	0.34 U
EPD-WA-04-050323	TO-15 SIM	95-47-6	O-XYLENE	0.15
EPD-WA-04-050323	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.17 J
EPD-WA-04-050323	TO-15 SIM	108-88-3	TOLUENE	0.65
EPD-WA-04-050323	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.27 J
EPD-WA-04-050323	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.14 U
EPD-WA-04-050323	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.055
EPD-WA-05-050323	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	5 U
EPD-WA-05-050323	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.66 U
EPD-WA-05-050323	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.81 U
EPD-WA-05-050323	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.62 U
EPD-WA-05-050323	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.66 U
EPD-WA-05-050323	TO-15	106-99-0	1,3-BUTADIENE	0.3 U
EPD-WA-05-050323	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.81 U
EPD-WA-05-050323	TO-15	123-91-1	1,4-DIOXANE	0.49 U
EPD-WA-05-050323	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3.2 U
EPD-WA-05-050323	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	2 U
EPD-WA-05-050323	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0 U
EPD-WA-05-050323	TO-15	591-78-6	2-HEXANONE	2.8 U
EPD-WA-05-050323	TO-15	67-63-0	2-PROPANOL	6.6 U



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Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-WA-05-050323	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.61	U
EPD-WA-05-050323	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.15	U
EPD-WA-05-050323	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.18	U
EPD-WA-05-050323	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.15	U
EPD-WA-05-050323	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11	U
EPD-WA-05-050323	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.054	U
EPD-WA-05-050323	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.21	U
EPD-WA-05-050323	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.07	J
EPD-WA-05-050323	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16	U
EPD-WA-05-050323	TO-15 SIM	71-43-2	BENZENE	0.2	J
EPD-WA-05-050323	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.46	U
EPD-WA-05-050323	TO-15 SIM	75-00-3	CHLOROETHANE	0.18	U
EPD-WA-05-050323	TO-15 SIM	67-66-3	CHLOROFORM	0.065	J
EPD-WA-05-050323	TO-15 SIM	74-87-3	CHLOROMETHANE	0.77	J
EPD-WA-05-050323	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11	U
EPD-WA-05-050323	TO-15 SIM	100-41-4	ETHYL BENZENE	0.082	J
EPD-WA-05-050323	TO-15 SIM	76-14-2	FREON 114	0.1	J
EPD-WA-05-050323	TO-15 SIM	75-71-8	FREON 12	2.2	U
EPD-WA-05-050323	TO-15 SIM	179601-23-1	M,P-XYLENE	0.29	U
EPD-WA-05-050323	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.49	U
EPD-WA-05-050323	TO-15 SIM	91-20-3	NAPHTHALENE	0.16	J
EPD-WA-05-050323	TO-15 SIM	95-47-6	O-XYLENE	0.093	J
EPD-WA-05-050323	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.027	J
EPD-WA-05-050323	TO-15 SIM	108-88-3	TOLUENE	0.8	U
EPD-WA-05-050323	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.54	U
EPD-WA-05-050323	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.14	U
EPD-WA-05-050323	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.034	U
EPD-WA-06-050323	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	4.9	U
EPD-WA-06-050323	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.65	U
EPD-WA-06-050323	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.79	U
EPD-WA-06-050323	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.61	U
EPD-WA-06-050323	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.65	U
EPD-WA-06-050323	TO-15	106-99-0	1,3-BUTADIENE	0.29	U
EPD-WA-06-050323	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.79	U
EPD-WA-06-050323	TO-15	123-91-1	1,4-DIOXANE	0.48	U
EPD-WA-06-050323	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3.1	U
EPD-WA-06-050323	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	1.9	U
EPD-WA-06-050323	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0	U
EPD-WA-06-050323	TO-15	591-78-6	2-HEXANONE	2.7	U
EPD-WA-06-050323	TO-15	67-63-0	2-PROPANOL	6.5	U
EPD-WA-06-050323	TO-15	107-05-1	3-CHLOROPROPENE	2.1	U
EPD-WA-06-050323	TO-15	622-96-8	4-ETHYLTOLUENE	0.65	U
EPD-WA-06-050323	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.54	U
EPD-WA-06-050323	TO-15	67-64-1	ACETONE	3.3	J
EPD-WA-06-050323	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.68	U
EPD-WA-06-050323	TO-15	75-27-4	BROMODICHLOROMETHANE	0.88	U
EPD-WA-06-050323	TO-15	75-25-2	BROMOFORM	1.4	U
EPD-WA-06-050323	TO-15	74-83-9	BROMOMETHANE	26	U

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Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-06-050323	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16 U
EPD-WA-06-050323	TO-15 SIM	71-43-2	BENZENE	0.35
EPD-WA-06-050323	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.45
EPD-WA-06-050323	TO-15 SIM	75-00-3	CHLOROETHANE	0.17 U
EPD-WA-06-050323	TO-15 SIM	67-66-3	CHLOROFORM	0.064 J
EPD-WA-06-050323	TO-15 SIM	74-87-3	CHLOROMETHANE	0.75 J
EPD-WA-06-050323	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.1 U
EPD-WA-06-050323	TO-15 SIM	100-41-4	ETHYL BENZENE	0.054 J
EPD-WA-06-050323	TO-15 SIM	76-14-2	FREON 114	0.1 J
EPD-WA-06-050323	TO-15 SIM	75-71-8	FREON 12	2.2
EPD-WA-06-050323	TO-15 SIM	179601-23-1	M,P-XYLENE	0.23
EPD-WA-06-050323	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.48 U
EPD-WA-06-050323	TO-15 SIM	91-20-3	NAPHTHALENE	0.34 U
EPD-WA-06-050323	TO-15 SIM	95-47-6	O-XYLENE	0.083 J
EPD-WA-06-050323	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.051 J
EPD-WA-06-050323	TO-15 SIM	108-88-3	TOLUENE	0.38
EPD-WA-06-050323	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.52 U
EPD-WA-06-050323	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.14 U
EPD-WA-06-050323	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.034 U
EPD-WA-33-050323	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	4.9 U
EPD-WA-33-050323	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.65 U
EPD-WA-33-050323	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.8 U
EPD-WA-33-050323	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.61 U
EPD-WA-33-050323	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.65 U
EPD-WA-33-050323	TO-15	106-99-0	1,3-BUTADIENE	0.29 U
EPD-WA-33-050323	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.8 U
EPD-WA-33-050323	TO-15	123-91-1	1,4-DIOXANE	0.48 U
EPD-WA-33-050323	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3.1 U
EPD-WA-33-050323	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	2 U
EPD-WA-33-050323	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0 U
EPD-WA-33-050323	TO-15	591-78-6	2-HEXANONE	2.7 U
EPD-WA-33-050323	TO-15	67-63-0	2-PROPANOL	6.5 U
EPD-WA-33-050323	TO-15	107-05-1	3-CHLOROPROPENE	2.1 U
EPD-WA-33-050323	TO-15	622-96-8	4-ETHYLTOLUENE	0.65 U
EPD-WA-33-050323	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.54 U
EPD-WA-33-050323	TO-15	67-64-1	ACETONE	6.1 J
EPD-WA-33-050323	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.69 U
EPD-WA-33-050323	TO-15	75-27-4	BROMODICHLOROMETHANE	0.89 U
EPD-WA-33-050323	TO-15	75-25-2	BROMOFORM	1.4 U
EPD-WA-33-050323	TO-15	74-83-9	BROMOMETHANE	26 U
EPD-WA-33-050323	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0 U
EPD-WA-33-050323	TO-15	75-15-0	CARBON DISULFIDE	2.1 U
EPD-WA-33-050323	TO-15	108-90-7	CHLOROBENZENE	0.61 U
EPD-WA-33-050323	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.6 U
EPD-WA-33-050323	TO-15	98-82-8	CUMENE	0.65 U
EPD-WA-33-050323	TO-15	110-82-7	CYCLOHEXANE	2.3 U
EPD-WA-33-050323	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.1 U
EPD-WA-33-050323	TO-15	64-17-5	ETHANOL	1.2

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS AIR TOXICS REPORT NO. 2305077

Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-33-050323	TO-15 SIM	76-14-2	FREON 114	0.11 J
EPD-WA-33-050323	TO-15 SIM	75-71-8	FREON 12	2.1
EPD-WA-33-050323	TO-15 SIM	179601-23-1	M,P-XYLENE	0.24
EPD-WA-33-050323	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.48 U
EPD-WA-33-050323	TO-15 SIM	91-20-3	NAPHTHALENE	0.35 U
EPD-WA-33-050323	TO-15 SIM	95-47-6	O-XYLENE	0.083 J
EPD-WA-33-050323	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.037 J
EPD-WA-33-050323	TO-15 SIM	108-88-3	TOLUENE	0.39
EPD-WA-33-050323	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.13 J
EPD-WA-33-050323	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.14 U
EPD-WA-33-050323	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.034 U



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

<b>Site Name</b>	E Palestine Site - ER	<b>TO/TOLIN No.</b>	68HE0520F0032/000
<b>Document Tracking No.</b>	DTN 1856b		
<b>Laboratory Report No.</b>	2305110		
		<b>Laboratory</b>	Eurofins Air Toxics, L
<b>Analyses</b>	Volatile organic compounds (VOCs) by EPA Method TO-15 with tentatively identified compounds with selective ion monitoring (SIM)		
<b>Samples and Matrix</b>	Nine (9) Air Samples, including one (1) field duplicate		
<b>Collection Date(s)</b>	05/05/2023		
<b>Field Duplicate Pairs</b>	EPD-WA-01-050523/EPD-WA-11-050523		
<b>Field QC Blanks</b>	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 Acetone and Methylene Chloride. The following were qualified as not detected above Reporting Limit (RL):		
	Client ID	Lab ID	Compound(s)
	EPD-UW-H-050523	2305110-01A	Acetone, Methylene Chloride
	EPD-WA-03-050523	2305110-02A	Acetone, Methylene Chloride
	EPD-DW-D-050523	2305110-03A	Acetone, Methylene Chloride
	EPD-WA-05-050523	2305110-04A	Acetone, Methylene Chloride
	EPD-WA-06-050523	2305110-05A	Acetone, Methylene Chloride
	EPD-WA-02-050523	2305110-06A	Acetone, Methylene Chloride
	EPD-WA-11-050523	2305110-07A	Methylene Chloride
	EPD-WA-01-050523	2305110-08A	Methylene Chloride
	EPD-WA-04-050523	2305110-09A	Acetone, Methylene Chloride
	TO-15 SIM: The method blank reported Chloroform. The Chloroform results in all samples were qualified as U		

**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	<p>The following were qualified due to field duplicate imprecision:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Client ID</th> <th style="text-align: left;">Laboratory ID</th> <th style="text-align: left;">Compound</th> <th style="text-align: left;">Qualifier</th> </tr> </thead> <tbody> <tr> <td>EPD-WA-11-050523</td> <td>2305110-07B</td> <td>trans-1,2-Dichloroethene</td> <td>UJ</td> </tr> <tr> <td>EPD-WA-01-050523</td> <td>2305110-08B</td> <td>trans-1,2-Dichloroethene</td> <td>J</td> </tr> </tbody> </table>	Client ID	Laboratory ID	Compound	Qualifier	EPD-WA-11-050523	2305110-07B	trans-1,2-Dichloroethene	UJ	EPD-WA-01-050523	2305110-08B	trans-1,2-Dichloroethene	J
Client ID	Laboratory ID	Compound	Qualifier										
EPD-WA-11-050523	2305110-07B	trans-1,2-Dichloroethene	UJ										
EPD-WA-01-050523	2305110-08B	trans-1,2-Dichloroethene	J										

**LCSs/LCSDs:**

Within Criteria	Exceedance/Notes
Y	

**Sample dilutions:**

Within Criteria	Exceedance/Notes
Y	<p>Container dilution = 1.39, 1.36, 1.51, 1.39, 1.42, 1.42, 1.31, 1.39 &amp; 1.45            Canister dilution = 1.39, 1.36, 1.51, 1.39, 1.42, 1.42, 1.31, 1.39 &amp; 1.45</p>



**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	The residual canister receipt vacuum values in the laboratory report are positive and should not be. The laboratory was contacted and confirmed that the values are negative, even though the minus signs are not present, and that the laboratory is following convention for recording Summa canister vacuums and pressures: vacuums are recorded as positive values in inches of mercury ("Hg), and positive pressures are recorded using the unit pounds per square inch (psi). No correction was applied.

## 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.

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS AIR TOXICS REPORT NO. 2305110

Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-DW-D-050523	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.16	U
EPD-DW-D-050523	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.21	U
EPD-DW-D-050523	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.16	U
EPD-DW-D-050523	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.12	U
EPD-DW-D-050523	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.06	U
EPD-DW-D-050523	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	5.6	U
EPD-DW-D-050523	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.32	J
EPD-DW-D-050523	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.23	U
EPD-DW-D-050523	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.91	U
EPD-DW-D-050523	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.07	J
EPD-DW-D-050523	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.7	U
EPD-DW-D-050523	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.74	U
EPD-DW-D-050523	TO-15	106-99-0	1,3-BUTADIENE	0.33	U
EPD-DW-D-050523	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.91	U
EPD-DW-D-050523	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.18	U
EPD-DW-D-050523	TO-15	123-91-1	1,4-DIOXANE	0.54	U
EPD-DW-D-050523	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	0.49	J
EPD-DW-D-050523	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	2.2	U
EPD-DW-D-050523	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0	U
EPD-DW-D-050523	TO-15	591-78-6	2-HEXANONE	3.1	U
EPD-DW-D-050523	TO-15	67-63-0	2-PROPANOL	7.4	U
EPD-DW-D-050523	TO-15	107-05-1	3-CHLOROPROPENE	2.4	U
EPD-DW-D-050523	TO-15	622-96-8	4-ETHYLTOLUENE	0.26	J
EPD-DW-D-050523	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.62	U
EPD-DW-D-050523	TO-15	67-64-1	ACETONE	3.4	J
EPD-DW-D-050523	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.78	U
EPD-DW-D-050523	TO-15 SIM	71-43-2	BENZENE	0.96	U
EPD-DW-D-050523	TO-15	75-27-4	BROMODICHLOROMETHANE	1	U
EPD-DW-D-050523	TO-15	75-25-2	BROMOFORM	1.6	U
EPD-DW-D-050523	TO-15	74-83-9	BROMOMETHANE	29	U
EPD-DW-D-050523	TO-15	106-97-8	BUTANE	1	N
EPD-DW-D-050523	TO-15	78-78-4	BUTANE, 2-METHYL-	1.2	N
EPD-DW-D-050523	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0	U
EPD-DW-D-050523	TO-15	75-15-0	CARBON DISULFIDE	2.4	U
EPD-DW-D-050523	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.48	U
EPD-DW-D-050523	TO-15	108-90-7	CHLOROBENZENE	0.7	U
EPD-DW-D-050523	TO-15 SIM	75-00-3	CHLOROETHANE	0.2	U
EPD-DW-D-050523	TO-15 SIM	67-66-3	CHLOROFORM	0.079	J
EPD-DW-D-050523	TO-15 SIM	74-87-3	CHLOROMETHANE	0.9	J
EPD-DW-D-050523	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.12	U
EPD-DW-D-050523	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.68	U
EPD-DW-D-050523	TO-15	98-82-8	CUMENE	0.74	U
EPD-DW-D-050523	TO-15	110-82-7	CYCLOHEXANE	2.6	U
EPD-DW-D-050523	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.3	U
EPD-DW-D-050523	TO-15	64-17-5	ETHANOL	2.4	J
EPD-DW-D-050523	TO-15 SIM	100-41-4	ETHYL BENZENE	0.2	U
EPD-DW-D-050523	TO-15	75-69-4	FREON 11	1.2	U
EPD-DW-D-050523	TO-15	76-13-1	FREON 113	0.47	J

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS AIR TOXICS REPORT NO. 2305110

Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-UW-H-050523	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.25 J
EPD-UW-H-050523	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.21 U
EPD-UW-H-050523	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.84 U
EPD-UW-H-050523	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.072 J
EPD-UW-H-050523	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.64 U
EPD-UW-H-050523	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.68 U
EPD-UW-H-050523	TO-15	106-99-0	1,3-BUTADIENE	0.31 U
EPD-UW-H-050523	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.84 U
EPD-UW-H-050523	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.17 U
EPD-UW-H-050523	TO-15	123-91-1	1,4-DIOXANE	0.5 U
EPD-UW-H-050523	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	0.38 J
EPD-UW-H-050523	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	0.63 J
EPD-UW-H-050523	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0 U
EPD-UW-H-050523	TO-15	591-78-6	2-HEXANONE	2.8 U
EPD-UW-H-050523	TO-15	67-63-0	2-PROPANOL	6.8 U
EPD-UW-H-050523	TO-15	107-05-1	3-CHLOROPROPENE	2.2 U
EPD-UW-H-050523	TO-15	622-96-8	4-ETHYLTOLUENE	0.22 J
EPD-UW-H-050523	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.57 U
EPD-UW-H-050523	TO-15	67-64-1	ACETONE	4.7 J
EPD-UW-H-050523	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.72 U
EPD-UW-H-050523	TO-15 SIM	71-43-2	BENZENE	0.66
EPD-UW-H-050523	TO-15	75-27-4	BROMODICHLOROMETHANE	0.93 U
EPD-UW-H-050523	TO-15	75-25-2	BROMOFORM	1.4 U
EPD-UW-H-050523	TO-15	74-83-9	BROMOMETHANE	27 U
EPD-UW-H-050523	TO-15	106-97-8	BUTANE	0.71 N
EPD-UW-H-050523	TO-15	78-78-4	BUTANE, 2-METHYL-	0.83 N
EPD-UW-H-050523	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER)	0 U
EPD-UW-H-050523	TO-15	75-15-0	CARBON DISULFIDE	0.11 J
EPD-UW-H-050523	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.52
EPD-UW-H-050523	TO-15	108-90-7	CHLOROBENZENE	0.64 U
EPD-UW-H-050523	TO-15 SIM	75-00-3	CHLOROETHANE	0.18 U
EPD-UW-H-050523	TO-15 SIM	67-66-3	CHLOROFORM	0.079 J
EPD-UW-H-050523	TO-15 SIM	74-87-3	CHLOROMETHANE	0.85 J
EPD-UW-H-050523	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11 U
EPD-UW-H-050523	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.63 U
EPD-UW-H-050523	TO-15	98-82-8	CUMENE	0.68 U
EPD-UW-H-050523	TO-15	110-82-7	CYCLOHEXANE	2.4 U
EPD-UW-H-050523	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2 U
EPD-UW-H-050523	TO-15	64-17-5	ETHANOL	3.8 J
EPD-UW-H-050523	TO-15 SIM	100-41-4	ETHYL BENZENE	0.16
EPD-UW-H-050523	TO-15	75-69-4	FREON 11	1.2
EPD-UW-H-050523	TO-15	76-13-1	FREON 113	0.48 J
EPD-UW-H-050523	TO-15 SIM	76-14-2	FREON 114	0.12 J
EPD-UW-H-050523	TO-15 SIM	75-71-8	FREON 12	2.3
EPD-UW-H-050523	TO-15	142-82-5	HEPTANE	2.8 U
EPD-UW-H-050523	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.4 U
EPD-UW-H-050523	TO-15	110-54-3	HEXANE	0.48 J
EPD-UW-H-050523	TO-15 SIM	179601-23-1	M,P-XYLENE	0.6

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS AIR TOXICS REPORT NO. 2305110

Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-01-050523	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.64 U
EPD-WA-01-050523	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.68 U
EPD-WA-01-050523	TO-15	106-99-0	1,3-BUTADIENE	0.31 U
EPD-WA-01-050523	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.84 U
EPD-WA-01-050523	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.17 U
EPD-WA-01-050523	TO-15	123-91-1	1,4-DIOXANE	0.5 U
EPD-WA-01-050523	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	0.49 J
EPD-WA-01-050523	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	0.6 J
EPD-WA-01-050523	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0 U
EPD-WA-01-050523	TO-15	591-78-6	2-HEXANONE	2.8 U
EPD-WA-01-050523	TO-15	67-63-0	2-PROPANOL	7.8
EPD-WA-01-050523	TO-15	107-05-1	3-CHLOROPROPENE	2.2 U
EPD-WA-01-050523	TO-15	622-96-8	4-ETHYLTOLUENE	0.24 J
EPD-WA-01-050523	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.57 U
EPD-WA-01-050523	TO-15	67-64-1	ACETONE	8.8
EPD-WA-01-050523	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.72 U
EPD-WA-01-050523	TO-15 SIM	71-43-2	BENZENE	0.74
EPD-WA-01-050523	TO-15	75-27-4	BROMODICHLOROMETHANE	0.93 U
EPD-WA-01-050523	TO-15	75-25-2	BROMOFORM	1.4 U
EPD-WA-01-050523	TO-15	74-83-9	BROMOMETHANE	27 U
EPD-WA-01-050523	TO-15	106-97-8	BUTANE	2.7 N
EPD-WA-01-050523	TO-15	78-78-4	BUTANE, 2-METHYL-	2.6 N
EPD-WA-01-050523	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0 U
EPD-WA-01-050523	TO-15	75-15-0	CARBON DISULFIDE	2.2 U
EPD-WA-01-050523	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.56
EPD-WA-01-050523	TO-15	108-90-7	CHLOROBENZENE	0.64 U
EPD-WA-01-050523	TO-15 SIM	75-00-3	CHLOROETHANE	0.04 J
EPD-WA-01-050523	TO-15 SIM	67-66-3	CHLOROFORM	0.1 J
EPD-WA-01-050523	TO-15 SIM	74-87-3	CHLOROMETHANE	1 J
EPD-WA-01-050523	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11 U
EPD-WA-01-050523	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.63 U
EPD-WA-01-050523	TO-15	98-82-8	CUMENE	0.68 U
EPD-WA-01-050523	TO-15	110-82-7	CYCLOHEXANE	2.4 U
EPD-WA-01-050523	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2 U
EPD-WA-01-050523	TO-15	64-17-5	ETHANOL	3.5 J
EPD-WA-01-050523	TO-15 SIM	100-41-4	ETHYL BENZENE	0.16
EPD-WA-01-050523	TO-15	75-69-4	FREON 11	1.2
EPD-WA-01-050523	TO-15	76-13-1	FREON 113	0.47 J
EPD-WA-01-050523	TO-15 SIM	76-14-2	FREON 114	0.13 J
EPD-WA-01-050523	TO-15 SIM	75-71-8	FREON 12	2.5
EPD-WA-01-050523	TO-15	142-82-5	HEPTANE	2.8 U
EPD-WA-01-050523	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.4 U
EPD-WA-01-050523	TO-15	110-54-3	HEXANE	0.9 J
EPD-WA-01-050523	TO-15 SIM	179601-23-1	M,P-XYLENE	0.61
EPD-WA-01-050523	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.5 U
EPD-WA-01-050523	TO-15	75-09-2	METHYLENE CHLORIDE	0.58 J
EPD-WA-01-050523	TO-15 SIM	91-20-3	NAPHTHALENE	0.12 J
EPD-WA-01-050523	TO-15 SIM	95-47-6	O-XYLENE	0.24



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Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-WA-02-050523	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.85	U
EPD-WA-02-050523	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.17	U
EPD-WA-02-050523	TO-15	123-91-1	1,4-DIOXANE	0.51	U
EPD-WA-02-050523	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	0.34	J
EPD-WA-02-050523	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	2.1	U
EPD-WA-02-050523	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0	U
EPD-WA-02-050523	TO-15	591-78-6	2-HEXANONE	2.9	U
EPD-WA-02-050523	TO-15	67-63-0	2-PROPANOL	7	U
EPD-WA-02-050523	TO-15	107-05-1	3-CHLOROPROPENE	2.2	U
EPD-WA-02-050523	TO-15	622-96-8	4-ETHYLTOLUENE	0.28	J
EPD-WA-02-050523	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.58	U
EPD-WA-02-050523	TO-15	67-64-1	ACETONE	3.7	J
EPD-WA-02-050523	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.74	U
EPD-WA-02-050523	TO-15 SIM	71-43-2	BENZENE	0.82	U
EPD-WA-02-050523	TO-15	75-27-4	BROMODICHLOROMETHANE	0.95	U
EPD-WA-02-050523	TO-15	75-25-2	BROMOFORM	1.5	U
EPD-WA-02-050523	TO-15	74-83-9	BROMOMETHANE	28	U
EPD-WA-02-050523	TO-15	106-97-8	BUTANE	0.85	N
EPD-WA-02-050523	TO-15	78-78-4	BUTANE, 2-METHYL-	0.86	N
EPD-WA-02-050523	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0	U
EPD-WA-02-050523	TO-15	75-15-0	CARBON DISULFIDE	2.2	U
EPD-WA-02-050523	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.49	U
EPD-WA-02-050523	TO-15	108-90-7	CHLOROBENZENE	0.65	U
EPD-WA-02-050523	TO-15 SIM	75-00-3	CHLOROETHANE	0.19	U
EPD-WA-02-050523	TO-15 SIM	67-66-3	CHLOROFORM	0.079	J
EPD-WA-02-050523	TO-15 SIM	74-87-3	CHLOROMETHANE	0.91	J
EPD-WA-02-050523	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11	U
EPD-WA-02-050523	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.64	U
EPD-WA-02-050523	TO-15	98-82-8	CUMENE	0.7	U
EPD-WA-02-050523	TO-15	110-82-7	CYCLOHEXANE	2.4	U
EPD-WA-02-050523	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2	U
EPD-WA-02-050523	TO-15	64-17-5	ETHANOL	1.7	J
EPD-WA-02-050523	TO-15 SIM	100-41-4	ETHYL BENZENE	0.19	U
EPD-WA-02-050523	TO-15	75-69-4	FREON 11	1.1	U
EPD-WA-02-050523	TO-15	76-13-1	FREON 113	0.45	J
EPD-WA-02-050523	TO-15 SIM	76-14-2	FREON 114	0.12	J
EPD-WA-02-050523	TO-15 SIM	75-71-8	FREON 12	2.5	U
EPD-WA-02-050523	TO-15	142-82-5	HEPTANE	2.9	U
EPD-WA-02-050523	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.6	U
EPD-WA-02-050523	TO-15	110-54-3	HEXANE	0.48	J
EPD-WA-02-050523	TO-15 SIM	179601-23-1	M,P-XYLENE	0.72	U
EPD-WA-02-050523	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.51	U
EPD-WA-02-050523	TO-15	75-09-2	METHYLENE CHLORIDE	0.4	J
EPD-WA-02-050523	TO-15 SIM	91-20-3	NAPHTHALENE	0.37	U
EPD-WA-02-050523	TO-15 SIM	95-47-6	O-XYLENE	0.31	U
EPD-WA-02-050523	TO-15	103-65-1	PROPYLBENZENE	0.7	U
EPD-WA-02-050523	TO-15	100-42-5	STYRENE	0.099	J
EPD-WA-02-050523	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.13	U

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Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-03-050523	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0 U
EPD-WA-03-050523	TO-15	591-78-6	2-HEXANONE	2.8 U
EPD-WA-03-050523	TO-15	67-63-0	2-PROPANOL	6.7 U
EPD-WA-03-050523	TO-15	107-05-1	3-CHLOROPROPENE	2.1 U
EPD-WA-03-050523	TO-15	622-96-8	4-ETHYLTOLUENE	0.22 J
EPD-WA-03-050523	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.56 U
EPD-WA-03-050523	TO-15	67-64-1	ACETONE	6 J
EPD-WA-03-050523	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.7 U
EPD-WA-03-050523	TO-15 SIM	71-43-2	BENZENE	0.64
EPD-WA-03-050523	TO-15	75-27-4	BROMODICHLOROMETHANE	0.91 U
EPD-WA-03-050523	TO-15	75-25-2	BROMOFORM	1.4 U
EPD-WA-03-050523	TO-15	74-83-9	BROMOMETHANE	26 U
EPD-WA-03-050523	TO-15	106-97-8	BUTANE	1.1 N
EPD-WA-03-050523	TO-15	78-78-4	BUTANE, 2-METHYL-	1.1 N
EPD-WA-03-050523	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0 U
EPD-WA-03-050523	TO-15	75-15-0	CARBON DISULFIDE	2.1 U
EPD-WA-03-050523	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.49
EPD-WA-03-050523	TO-15	108-90-7	CHLOROBENZENE	0.63 U
EPD-WA-03-050523	TO-15 SIM	75-00-3	CHLOROETHANE	0.18 U
EPD-WA-03-050523	TO-15 SIM	67-66-3	CHLOROFORM	0.086 J
EPD-WA-03-050523	TO-15 SIM	74-87-3	CHLOROMETHANE	0.91 J
EPD-WA-03-050523	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11 U
EPD-WA-03-050523	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.62 U
EPD-WA-03-050523	TO-15	98-82-8	CUMENE	0.67 U
EPD-WA-03-050523	TO-15	110-82-7	CYCLOHEXANE	2.3 U
EPD-WA-03-050523	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2 U
EPD-WA-03-050523	TO-15	64-17-5	ETHANOL	2.3 J
EPD-WA-03-050523	TO-15 SIM	100-41-4	ETHYL BENZENE	0.15
EPD-WA-03-050523	TO-15	75-69-4	FREON 11	1.3
EPD-WA-03-050523	TO-15	76-13-1	FREON 113	0.5 J
EPD-WA-03-050523	TO-15 SIM	76-14-2	FREON 114	0.12 J
EPD-WA-03-050523	TO-15 SIM	75-71-8	FREON 12	2.5
EPD-WA-03-050523	TO-15	142-82-5	HEPTANE	2.8 U
EPD-WA-03-050523	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.2 U
EPD-WA-03-050523	TO-15	110-54-3	HEXANE	0.5 J
EPD-WA-03-050523	TO-15 SIM	179601-23-1	M,P-XYLENE	0.55
EPD-WA-03-050523	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.49 U
EPD-WA-03-050523	TO-15	75-09-2	METHYLENE CHLORIDE	0.44 J
EPD-WA-03-050523	TO-15 SIM	91-20-3	NAPHTHALENE	0.36 U
EPD-WA-03-050523	TO-15 SIM	95-47-6	O-XYLENE	0.21
EPD-WA-03-050523	TO-15	103-65-1	PROPYLBENZENE	0.67 U
EPD-WA-03-050523	TO-15	100-42-5	STYRENE	0.58 U
EPD-WA-03-050523	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.13 J
EPD-WA-03-050523	TO-15	109-99-9	TETRAHYDROFURAN	2 U
EPD-WA-03-050523	TO-15 SIM	108-88-3	TOLUENE	1.2
EPD-WA-03-050523	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.54 U
EPD-WA-03-050523	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.62 U
EPD-WA-03-050523	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.15 U

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Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-WA-04-050523	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.59	U
EPD-WA-04-050523	TO-15	67-64-1	ACETONE	6.6	J
EPD-WA-04-050523	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.75	U
EPD-WA-04-050523	TO-15 SIM	71-43-2	BENZENE	0.75	J
EPD-WA-04-050523	TO-15	75-27-4	BROMODICHLOROMETHANE	0.97	U
EPD-WA-04-050523	TO-15	75-25-2	BROMOFORM	1.5	U
EPD-WA-04-050523	TO-15	74-83-9	BROMOMETHANE	28	U
EPD-WA-04-050523	TO-15	78-78-4	BUTANE, 2-METHYL-	1.1	N
EPD-WA-04-050523	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0	U
EPD-WA-04-050523	TO-15	75-15-0	CARBON DISULFIDE	2.2	U
EPD-WA-04-050523	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.48	J
EPD-WA-04-050523	TO-15	108-90-7	CHLOROBENZENE	0.67	U
EPD-WA-04-050523	TO-15 SIM	75-00-3	CHLOROETHANE	0.19	U
EPD-WA-04-050523	TO-15 SIM	67-66-3	CHLOROFORM	0.077	J
EPD-WA-04-050523	TO-15 SIM	74-87-3	CHLOROMETHANE	0.88	J
EPD-WA-04-050523	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11	U
EPD-WA-04-050523	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.66	U
EPD-WA-04-050523	TO-15	98-82-8	CUMENE	0.71	U
EPD-WA-04-050523	TO-15	110-82-7	CYCLOHEXANE	2.5	U
EPD-WA-04-050523	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2	U
EPD-WA-04-050523	TO-15	64-17-5	ETHANOL	1.4	J
EPD-WA-04-050523	TO-15 SIM	100-41-4	ETHYL BENZENE	0.15	J
EPD-WA-04-050523	TO-15	75-69-4	FREON 11	1.3	J
EPD-WA-04-050523	TO-15	76-13-1	FREON 113	0.48	J
EPD-WA-04-050523	TO-15 SIM	76-14-2	FREON 114	0.12	J
EPD-WA-04-050523	TO-15 SIM	75-71-8	FREON 12	2.4	J
EPD-WA-04-050523	TO-15	142-82-5	HEPTANE	3	U
EPD-WA-04-050523	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.7	U
EPD-WA-04-050523	TO-15	110-54-3	HEXANE	0.52	J
EPD-WA-04-050523	TO-15 SIM	179601-23-1	M,P-XYLENE	0.54	J
EPD-WA-04-050523	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.52	U
EPD-WA-04-050523	TO-15	75-09-2	METHYLENE CHLORIDE	0.48	J
EPD-WA-04-050523	TO-15 SIM	91-20-3	NAPHTHALENE	0.38	U
EPD-WA-04-050523	TO-15 SIM	95-47-6	O-XYLENE	0.21	J
EPD-WA-04-050523	TO-15	103-65-1	PROPYLBENZENE	0.71	U
EPD-WA-04-050523	TO-15	100-42-5	STYRENE	0.62	U
EPD-WA-04-050523	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.11	J
EPD-WA-04-050523	TO-15	109-99-9	TETRAHYDROFURAN	2.1	U
EPD-WA-04-050523	TO-15 SIM	108-88-3	TOLUENE	1.1	J
EPD-WA-04-050523	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.57	U
EPD-WA-04-050523	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.66	U
EPD-WA-04-050523	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.16	U
EPD-WA-04-050523	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.073	J
EPD-WA-05-050523	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.15	U
EPD-WA-05-050523	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.19	U
EPD-WA-05-050523	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.15	U
EPD-WA-05-050523	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11	U
EPD-WA-05-050523	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.055	U

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Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-WA-05-050523	TO-15	106-97-8	BUTANE	0.76	N
EPD-WA-05-050523	TO-15	78-78-4	BUTANE, 2-METHYL-	1	N
EPD-WA-05-050523	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0	U
EPD-WA-05-050523	TO-15	75-15-0	CARBON DISULFIDE	2.2	U
EPD-WA-05-050523	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.49	
EPD-WA-05-050523	TO-15	108-90-7	CHLOROBENZENE	0.64	U
EPD-WA-05-050523	TO-15 SIM	75-00-3	CHLOROETHANE	0.18	U
EPD-WA-05-050523	TO-15 SIM	67-66-3	CHLOROFORM	0.096	J
EPD-WA-05-050523	TO-15 SIM	74-87-3	CHLOROMETHANE	0.89	J
EPD-WA-05-050523	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11	U
EPD-WA-05-050523	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.63	U
EPD-WA-05-050523	TO-15	98-82-8	CUMENE	0.68	U
EPD-WA-05-050523	TO-15	110-82-7	CYCLOHEXANE	2.4	U
EPD-WA-05-050523	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2	U
EPD-WA-05-050523	TO-15	64-17-5	ETHANOL	3	J
EPD-WA-05-050523	TO-15 SIM	100-41-4	ETHYL BENZENE	0.23	
EPD-WA-05-050523	TO-15	75-69-4	FREON 11	1.2	
EPD-WA-05-050523	TO-15	76-13-1	FREON 113	0.42	J
EPD-WA-05-050523	TO-15 SIM	76-14-2	FREON 114	0.12	J
EPD-WA-05-050523	TO-15 SIM	75-71-8	FREON 12	2.5	
EPD-WA-05-050523	TO-15	142-82-5	HEPTANE	2.8	U
EPD-WA-05-050523	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.4	U
EPD-WA-05-050523	TO-15	110-54-3	HEXANE	0.6	J
EPD-WA-05-050523	TO-15 SIM	179601-23-1	M,P-XYLENE	0.89	
EPD-WA-05-050523	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.5	U
EPD-WA-05-050523	TO-15	75-09-2	METHYLENE CHLORIDE	0.61	J
EPD-WA-05-050523	TO-15 SIM	91-20-3	NAPHTHALENE	0.66	
EPD-WA-05-050523	TO-15 SIM	95-47-6	O-XYLENE	0.32	
EPD-WA-05-050523	TO-15	103-65-1	PROPYLBENZENE	0.68	U
EPD-WA-05-050523	TO-15	100-42-5	STYRENE	0.12	J
EPD-WA-05-050523	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.19	
EPD-WA-05-050523	TO-15	109-99-9	TETRAHYDROFURAN	2	U
EPD-WA-05-050523	TO-15 SIM	108-88-3	TOLUENE	1.8	
EPD-WA-05-050523	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.55	U
EPD-WA-05-050523	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.63	U
EPD-WA-05-050523	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.15	U
EPD-WA-05-050523	TO-15	NA	UNKNOWN TIC	0.83	J
EPD-WA-05-050523	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.036	U
EPD-WA-06-050523	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.15	U
EPD-WA-06-050523	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.19	U
EPD-WA-06-050523	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.15	U
EPD-WA-06-050523	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11	U
EPD-WA-06-050523	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.056	U
EPD-WA-06-050523	TO-15	120-82-1	1,2,4-TRICHLOROETHANE	5.3	U
EPD-WA-06-050523	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.42	J
EPD-WA-06-050523	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.22	U
EPD-WA-06-050523	TO-15	95-50-1	1,2-DICHLOROETHANE	0.85	U
EPD-WA-06-050523	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.071	U

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Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-WA-06-050523	TO-15	108-90-7	CHLOROBENZENE	0.65	U
EPD-WA-06-050523	TO-15 SIM	75-00-3	CHLOROETHANE	0.19	U
EPD-WA-06-050523	TO-15 SIM	67-66-3	CHLOROFORM	0.1	J
EPD-WA-06-050523	TO-15 SIM	74-87-3	CHLOROMETHANE	0.88	J
EPD-WA-06-050523	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11	U
EPD-WA-06-050523	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.64	U
EPD-WA-06-050523	TO-15	98-82-8	CUMENE	0.7	U
EPD-WA-06-050523	TO-15	110-82-7	CYCLOHEXANE	2.4	U
EPD-WA-06-050523	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2	U
EPD-WA-06-050523	TO-15	64-17-5	ETHANOL	7.1	J
EPD-WA-06-050523	TO-15 SIM	100-41-4	ETHYL BENZENE	0.24	J
EPD-WA-06-050523	TO-15	75-69-4	FREON 11	1.2	J
EPD-WA-06-050523	TO-15	76-13-1	FREON 113	0.47	J
EPD-WA-06-050523	TO-15 SIM	76-14-2	FREON 114	0.12	J
EPD-WA-06-050523	TO-15 SIM	75-71-8	FREON 12	2.4	J
EPD-WA-06-050523	TO-15	142-82-5	HEPTANE	2.9	U
EPD-WA-06-050523	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.6	U
EPD-WA-06-050523	TO-15	110-54-3	HEXANE	0.56	J
EPD-WA-06-050523	TO-15 SIM	179601-23-1	M,P-XYLENE	0.89	J
EPD-WA-06-050523	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.51	U
EPD-WA-06-050523	TO-15	75-09-2	METHYLENE CHLORIDE	0.43	J
EPD-WA-06-050523	TO-15 SIM	91-20-3	NAPHTHALENE	0.18	J
EPD-WA-06-050523	TO-15 SIM	95-47-6	O-XYLENE	0.35	J
EPD-WA-06-050523	TO-15	103-65-1	PROPYLBENZENE	0.7	U
EPD-WA-06-050523	TO-15	100-42-5	STYRENE	0.11	J
EPD-WA-06-050523	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.15	J
EPD-WA-06-050523	TO-15	109-99-9	TETRAHYDROFURAN	2.1	U
EPD-WA-06-050523	TO-15 SIM	108-88-3	TOLUENE	1.5	J
EPD-WA-06-050523	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.56	U
EPD-WA-06-050523	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.64	U
EPD-WA-06-050523	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.15	U
EPD-WA-06-050523	TO-15	NA	UNKNOWN TIC	0.82	J
EPD-WA-06-050523	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.065	J
EPD-WA-11-050523	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.14	U
EPD-WA-11-050523	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.18	U
EPD-WA-11-050523	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.14	U
EPD-WA-11-050523	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11	U
EPD-WA-11-050523	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.052	U
EPD-WA-11-050523	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	4.9	U
EPD-WA-11-050523	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.23	J
EPD-WA-11-050523	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.2	U
EPD-WA-11-050523	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.79	U
EPD-WA-11-050523	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.068	J
EPD-WA-11-050523	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.6	U
EPD-WA-11-050523	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.64	U
EPD-WA-11-050523	TO-15	106-99-0	1,3-BUTADIENE	0.29	U
EPD-WA-11-050523	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.79	U
EPD-WA-11-050523	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16	U

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS AIR TOXICS REPORT NO. 2305110

Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-11-050523	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.59 U
EPD-WA-11-050523	TO-15	98-82-8	CUMENE	0.64 U
EPD-WA-11-050523	TO-15	110-82-7	CYCLOHEXANE	2.2 U
EPD-WA-11-050523	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.1 U
EPD-WA-11-050523	TO-15	64-17-5	ETHANOL	3.3 J
EPD-WA-11-050523	TO-15 SIM	100-41-4	ETHYL BENZENE	0.16
EPD-WA-11-050523	TO-15	75-69-4	FREON 11	1.2
EPD-WA-11-050523	TO-15	76-13-1	FREON 113	0.48 J
EPD-WA-11-050523	TO-15 SIM	76-14-2	FREON 114	0.11 J
EPD-WA-11-050523	TO-15 SIM	75-71-8	FREON 12	2.3
EPD-WA-11-050523	TO-15	142-82-5	HEPTANE	2.7 U
EPD-WA-11-050523	TO-15	87-68-3	HEXACHLOROBUTADIENE	7 U
EPD-WA-11-050523	TO-15	110-54-3	HEXANE	0.8 J
EPD-WA-11-050523	TO-15 SIM	179601-23-1	M,P-XYLENE	0.58
EPD-WA-11-050523	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.47 U
EPD-WA-11-050523	TO-15	75-09-2	METHYLENE CHLORIDE	0.46 J
EPD-WA-11-050523	TO-15 SIM	91-20-3	NAPHTHALENE	0.11 J
EPD-WA-11-050523	TO-15 SIM	95-47-6	O-XYLENE	0.23
EPD-WA-11-050523	TO-15	109-66-0	PENTANE	1.2 N
EPD-WA-11-050523	TO-15	103-65-1	PROPYLBENZENE	0.64 U
EPD-WA-11-050523	TO-15	100-42-5	STYRENE	0.56 U
EPD-WA-11-050523	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.17 J
EPD-WA-11-050523	TO-15	109-99-9	TETRAHYDROFURAN	1.9 U
EPD-WA-11-050523	TO-15 SIM	108-88-3	TOLUENE	1.2
EPD-WA-11-050523	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.52 U
EPD-WA-11-050523	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.59 U
EPD-WA-11-050523	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.14 U
EPD-WA-11-050523	TO-15	NA	UNKNOWN TIC	0.99 J
EPD-WA-11-050523	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.18



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

<b>Site Name</b>	E Palestine Site - ER	<b>TO/TOLIN No.</b>	68HE0520F0032/000
<b>Document Tracking No.</b>	DTN 1856c		
<b>Laboratory Report No.</b>	2305150		
		<b>Laboratory</b>	Eurofins Air Toxics, LLC
<b>Analyses</b>	Volatile organic compounds (VOCs) by EPA Method TO-15 with tentatively identified compounds with selective ion monitoring (SIM)		
<b>Samples and Matrix</b>	Nine (9) Air Samples, including one (1) field duplicate		
<b>Collection Date(s)</b>	05/04/2023		
<b>Field Duplicate Pairs</b>	EPD-WA-04-050423/EPD-WA-44-050423		
<b>Field QC Blanks</b>	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
Y	TO-15 SIM: The method blank reported 1,4-Dichlorobenzene. 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	

**Field duplicates:**

Within Criteria	Exceedance/Notes
Y	



**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 = 1.48, 1.37, 1.52, 1.35, 1.35, 1.37, 1.36, 1.39 & 1.41 Canister dilution = 1.48, 1.37, 1.52, 1.35, 1.35, 1.37, 1.36, 1.39 & 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	The residual canister receipt vacuum values in the laboratory report are positive and should not be. The labo and confirmed that the values are negative, even though the minus signs are not present, and that the labora following convention for recording Summa canister vacuums and pressures: vacuums are recorded as positiv of inches of mercury ("Hg), and positive pressures are recorded using the unit pounds per square inch (psi). M applied.

**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 sa
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sa biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sa biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value is t 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 an 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 cons due to deficiencies in one or more quality control criteria.



E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS AIR TOXICS REPORT NO. 2305150

Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-DW-D-050423	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	5	U
EPD-DW-D-050423	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.67	U
EPD-DW-D-050423	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.82	U
EPD-DW-D-050423	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.63	U
EPD-DW-D-050423	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.67	U
EPD-DW-D-050423	TO-15	106-99-0	1,3-BUTADIENE	0.3	U
EPD-DW-D-050423	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.82	U
EPD-DW-D-050423	TO-15	123-91-1	1,4-DIOXANE	0.49	U
EPD-DW-D-050423	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3.2	U
EPD-DW-D-050423	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	2	U
EPD-DW-D-050423	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0	U
EPD-DW-D-050423	TO-15	591-78-6	2-HEXANONE	2.8	U
EPD-DW-D-050423	TO-15	67-63-0	2-PROPANOL	6.7	U
EPD-DW-D-050423	TO-15	107-05-1	3-CHLOROPROPENE	2.1	U
EPD-DW-D-050423	TO-15	622-96-8	4-ETHYLTOLUENE	0.67	U
EPD-DW-D-050423	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.56	U
EPD-DW-D-050423	TO-15	67-64-1	ACETONE	2.7	J
EPD-DW-D-050423	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.7	U
EPD-DW-D-050423	TO-15	75-27-4	BROMODICHLOROMETHANE	0.91	U
EPD-DW-D-050423	TO-15	75-25-2	BROMOFORM	1.4	U
EPD-DW-D-050423	TO-15	74-83-9	BROMOMETHANE	26	U
EPD-DW-D-050423	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0	U
EPD-DW-D-050423	TO-15	75-15-0	CARBON DISULFIDE	2.1	U
EPD-DW-D-050423	TO-15	108-90-7	CHLOROBENZENE	0.63	U
EPD-DW-D-050423	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.62	U
EPD-DW-D-050423	TO-15	98-82-8	CUMENE	0.67	U
EPD-DW-D-050423	TO-15	110-82-7	CYCLOHEXANE	2.3	U
EPD-DW-D-050423	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2	U
EPD-DW-D-050423	TO-15	64-17-5	ETHANOL	1	J
EPD-DW-D-050423	TO-15	75-69-4	FREON 11	1.1	U
EPD-DW-D-050423	TO-15	76-13-1	FREON 113	0.48	J
EPD-DW-D-050423	TO-15	142-82-5	HEPTANE	2.8	U
EPD-DW-D-050423	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.2	U
EPD-DW-D-050423	TO-15	110-54-3	HEXANE	2.4	U
EPD-DW-D-050423	TO-15	75-09-2	METHYLENE CHLORIDE	0.64	J
EPD-DW-D-050423	TO-15	103-65-1	PROPYLBENZENE	0.67	U
EPD-DW-D-050423	TO-15	100-42-5	STYRENE	0.58	U
EPD-DW-D-050423	TO-15	109-99-9	TETRAHYDROFURAN	2	U
EPD-DW-D-050423	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.62	U
EPD-DW-D-050423	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.15	U
EPD-DW-D-050423	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.19	U
EPD-DW-D-050423	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.15	U
EPD-DW-D-050423	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11	U
EPD-DW-D-050423	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.054	U
EPD-DW-D-050423	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.21	U
EPD-DW-D-050423	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.075	J
EPD-DW-D-050423	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16	U
EPD-DW-D-050423	TO-15 SIM	71-43-2	BENZENE	0.26	U

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS AIR TOXICS REPORT NO. 2305150

Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-UW-H-050423	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3.4 U
EPD-UW-H-050423	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	2.2 U
EPD-UW-H-050423	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0 U
EPD-UW-H-050423	TO-15	591-78-6	2-HEXANONE	3 U
EPD-UW-H-050423	TO-15	67-63-0	2-PROPANOL	1.2 J
EPD-UW-H-050423	TO-15	107-05-1	3-CHLOROPROPENE	2.3 U
EPD-UW-H-050423	TO-15	622-96-8	4-ETHYLTOLUENE	0.73 U
EPD-UW-H-050423	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.61 U
EPD-UW-H-050423	TO-15	67-64-1	ACETONE	13
EPD-UW-H-050423	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.77 U
EPD-UW-H-050423	TO-15	75-27-4	BROMODICHLOROMETHANE	0.99 U
EPD-UW-H-050423	TO-15	75-25-2	BROMOFORM	1.5 U
EPD-UW-H-050423	TO-15	74-83-9	BROMOMETHANE	29 U
EPD-UW-H-050423	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0 U
EPD-UW-H-050423	TO-15	75-15-0	CARBON DISULFIDE	0.7 J
EPD-UW-H-050423	TO-15	108-90-7	CHLOROBENZENE	0.68 U
EPD-UW-H-050423	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.67 U
EPD-UW-H-050423	TO-15	98-82-8	CUMENE	0.73 U
EPD-UW-H-050423	TO-15	110-82-7	CYCLOHEXANE	2.5 U
EPD-UW-H-050423	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.3 U
EPD-UW-H-050423	TO-15	64-17-5	ETHANOL	17 U
EPD-UW-H-050423	TO-15	75-69-4	FREON 11	1.2
EPD-UW-H-050423	TO-15	76-13-1	FREON 113	0.45 J
EPD-UW-H-050423	TO-15	142-82-5	HEPTANE	3 U
EPD-UW-H-050423	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.9 U
EPD-UW-H-050423	TO-15	110-54-3	HEXANE	2.6 U
EPD-UW-H-050423	TO-15	75-09-2	METHYLENE CHLORIDE	1 U
EPD-UW-H-050423	TO-15	103-65-1	PROPYLBENZENE	0.73 U
EPD-UW-H-050423	TO-15	100-42-5	STYRENE	0.63 U
EPD-UW-H-050423	TO-15	109-99-9	TETRAHYDROFURAN	2.2 U
EPD-UW-H-050423	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.67 U
EPD-UW-H-050423	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.16 U
EPD-UW-H-050423	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.2 U
EPD-UW-H-050423	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.16 U
EPD-UW-H-050423	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.12 U
EPD-UW-H-050423	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.059 U
EPD-UW-H-050423	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.23 U
EPD-UW-H-050423	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.073 J
EPD-UW-H-050423	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.18 U
EPD-UW-H-050423	TO-15 SIM	71-43-2	BENZENE	0.21 J
EPD-UW-H-050423	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.44
EPD-UW-H-050423	TO-15 SIM	75-00-3	CHLOROETHANE	0.2 U
EPD-UW-H-050423	TO-15 SIM	67-66-3	CHLOROFORM	0.072 J
EPD-UW-H-050423	TO-15 SIM	74-87-3	CHLOROMETHANE	0.78 J
EPD-UW-H-050423	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.12 U
EPD-UW-H-050423	TO-15 SIM	100-41-4	ETHYL BENZENE	0.043 J
EPD-UW-H-050423	TO-15 SIM	76-14-2	FREON 114	0.1 J
EPD-UW-H-050423	TO-15 SIM	75-71-8	FREON 12	2.2

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS AIR TOXICS REPORT NO. 2305150

Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-01-050423	TO-15	67-64-1	ACETONE	3 J
EPD-WA-01-050423	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.7 U
EPD-WA-01-050423	TO-15	75-27-4	BROMODICHLOROMETHANE	0.9 U
EPD-WA-01-050423	TO-15	75-25-2	BROMOFORM	1.4 U
EPD-WA-01-050423	TO-15	74-83-9	BROMOMETHANE	26 U
EPD-WA-01-050423	TO-15	106-97-8	BUTANE	1.7 N
EPD-WA-01-050423	TO-15	78-78-4	BUTANE, 2-METHYL-	1.4 N
EPD-WA-01-050423	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0 U
EPD-WA-01-050423	TO-15	75-15-0	CARBON DISULFIDE	2.1 U
EPD-WA-01-050423	TO-15	108-90-7	CHLOROBENZENE	0.62 U
EPD-WA-01-050423	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.61 U
EPD-WA-01-050423	TO-15	98-82-8	CUMENE	0.66 U
EPD-WA-01-050423	TO-15	110-82-7	CYCLOHEXANE	2.3 U
EPD-WA-01-050423	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2 U
EPD-WA-01-050423	TO-15	64-17-5	ETHANOL	2 J
EPD-WA-01-050423	TO-15	75-69-4	FREON 11	1.2
EPD-WA-01-050423	TO-15	76-13-1	FREON 113	0.44 J
EPD-WA-01-050423	TO-15	142-82-5	HEPTANE	2.8 U
EPD-WA-01-050423	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.2 U
EPD-WA-01-050423	TO-15	110-54-3	HEXANE	0.41 J
EPD-WA-01-050423	TO-15	75-09-2	METHYLENE CHLORIDE	0.94 U
EPD-WA-01-050423	TO-15	103-65-1	PROPYLBENZENE	0.66 U
EPD-WA-01-050423	TO-15	100-42-5	STYRENE	0.58 U
EPD-WA-01-050423	TO-15	109-99-9	TETRAHYDROFURAN	2 U
EPD-WA-01-050423	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.61 U
EPD-WA-01-050423	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.15 U
EPD-WA-01-050423	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.18 U
EPD-WA-01-050423	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.15 U
EPD-WA-01-050423	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11 U
EPD-WA-01-050423	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.054 U
EPD-WA-01-050423	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.21 U
EPD-WA-01-050423	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.074 J
EPD-WA-01-050423	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16 U
EPD-WA-01-050423	TO-15 SIM	71-43-2	BENZENE	0.51
EPD-WA-01-050423	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.43
EPD-WA-01-050423	TO-15 SIM	75-00-3	CHLOROETHANE	0.18 U
EPD-WA-01-050423	TO-15 SIM	67-66-3	CHLOROFORM	0.068 J
EPD-WA-01-050423	TO-15 SIM	74-87-3	CHLOROMETHANE	0.73 J
EPD-WA-01-050423	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11 U
EPD-WA-01-050423	TO-15 SIM	100-41-4	ETHYL BENZENE	0.087 J
EPD-WA-01-050423	TO-15 SIM	76-14-2	FREON 114	0.1 J
EPD-WA-01-050423	TO-15 SIM	75-71-8	FREON 12	2.1
EPD-WA-01-050423	TO-15 SIM	179601-23-1	M,P-XYLENE	0.36
EPD-WA-01-050423	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.49 U
EPD-WA-01-050423	TO-15 SIM	91-20-3	NAPHTHALENE	0.35 U
EPD-WA-01-050423	TO-15 SIM	95-47-6	O-XYLENE	0.14
EPD-WA-01-050423	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.026 J
EPD-WA-01-050423	TO-15 SIM	108-88-3	TOLUENE	0.72

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Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-02-050423	TO-15	75-15-0	CARBON DISULFIDE	2.1 U
EPD-WA-02-050423	TO-15	108-90-7	CHLOROBENZENE	0.63 U
EPD-WA-02-050423	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.62 U
EPD-WA-02-050423	TO-15	98-82-8	CUMENE	0.67 U
EPD-WA-02-050423	TO-15	110-82-7	CYCLOHEXANE	2.4 U
EPD-WA-02-050423	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2 U
EPD-WA-02-050423	TO-15	64-17-5	ETHANOL	1.7 J
EPD-WA-02-050423	TO-15	75-69-4	FREON 11	1.1
EPD-WA-02-050423	TO-15	76-13-1	FREON 113	0.46 J
EPD-WA-02-050423	TO-15	142-82-5	HEPTANE	2.8 U
EPD-WA-02-050423	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.3 U
EPD-WA-02-050423	TO-15	110-54-3	HEXANE	2.4 U
EPD-WA-02-050423	TO-15	75-09-2	METHYLENE CHLORIDE	0.92 J
EPD-WA-02-050423	TO-15	124-19-6	NONANAL	1.1 N
EPD-WA-02-050423	TO-15	103-65-1	PROPYLBENZENE	0.67 U
EPD-WA-02-050423	TO-15	100-42-5	STYRENE	0.58 U
EPD-WA-02-050423	TO-15	109-99-9	TETRAHYDROFURAN	2 U
EPD-WA-02-050423	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.62 U
EPD-WA-02-050423	TO-15	NA	UNKNOWN TIC	1.1 J
EPD-WA-02-050423	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.15 U
EPD-WA-02-050423	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.19 U
EPD-WA-02-050423	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.15 U
EPD-WA-02-050423	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11 U
EPD-WA-02-050423	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.054 U
EPD-WA-02-050423	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.21 U
EPD-WA-02-050423	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.075 J
EPD-WA-02-050423	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16 U
EPD-WA-02-050423	TO-15 SIM	71-43-2	BENZENE	0.31
EPD-WA-02-050423	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.45
EPD-WA-02-050423	TO-15 SIM	75-00-3	CHLOROETHANE	0.18 U
EPD-WA-02-050423	TO-15 SIM	67-66-3	CHLOROFORM	0.07 J
EPD-WA-02-050423	TO-15 SIM	74-87-3	CHLOROMETHANE	0.77 J
EPD-WA-02-050423	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11 U
EPD-WA-02-050423	TO-15 SIM	100-41-4	ETHYL BENZENE	0.042 J
EPD-WA-02-050423	TO-15 SIM	76-14-2	FREON 114	0.11 J
EPD-WA-02-050423	TO-15 SIM	75-71-8	FREON 12	2.2
EPD-WA-02-050423	TO-15 SIM	179601-23-1	M,P-XYLENE	0.14 J
EPD-WA-02-050423	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.49 U
EPD-WA-02-050423	TO-15 SIM	91-20-3	NAPHTHALENE	0.36 U
EPD-WA-02-050423	TO-15 SIM	95-47-6	O-XYLENE	0.057 J
EPD-WA-02-050423	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.029 J
EPD-WA-02-050423	TO-15 SIM	108-88-3	TOLUENE	0.33
EPD-WA-02-050423	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.54 U
EPD-WA-02-050423	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.15 U
EPD-WA-02-050423	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.035 U
EPD-WA-03-050423	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	5.1 U
EPD-WA-03-050423	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.67 U
EPD-WA-03-050423	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.82 U

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Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-03-050423	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2 U
EPD-WA-03-050423	TO-15	64-17-5	ETHANOL	16 U
EPD-WA-03-050423	TO-15	75-69-4	FREON 11	1
EPD-WA-03-050423	TO-15	76-13-1	FREON 113	0.45 J
EPD-WA-03-050423	TO-15	142-82-5	HEPTANE	2.8 U
EPD-WA-03-050423	TO-15	87-68-3	HEXACHLOROBUTADIENE	7.3 U
EPD-WA-03-050423	TO-15	110-54-3	HEXANE	2.4 U
EPD-WA-03-050423	TO-15	75-09-2	METHYLENE CHLORIDE	0.95 U
EPD-WA-03-050423	TO-15	103-65-1	PROPYLBENZENE	0.67 U
EPD-WA-03-050423	TO-15	100-42-5	STYRENE	0.58 U
EPD-WA-03-050423	TO-15	109-99-9	TETRAHYDROFURAN	0.37 J
EPD-WA-03-050423	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.62 U
EPD-WA-03-050423	TO-15	NA	UNKNOWN TIC	0.74 J
EPD-WA-03-050423	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.15 U
EPD-WA-03-050423	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.19 U
EPD-WA-03-050423	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.15 U
EPD-WA-03-050423	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11 U
EPD-WA-03-050423	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.054 U
EPD-WA-03-050423	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.21 U
EPD-WA-03-050423	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.069 J
EPD-WA-03-050423	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.16 U
EPD-WA-03-050423	TO-15 SIM	71-43-2	BENZENE	0.24
EPD-WA-03-050423	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.45
EPD-WA-03-050423	TO-15 SIM	75-00-3	CHLOROETHANE	0.18 U
EPD-WA-03-050423	TO-15 SIM	67-66-3	CHLOROFORM	0.069 J
EPD-WA-03-050423	TO-15 SIM	74-87-3	CHLOROMETHANE	0.75 J
EPD-WA-03-050423	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11 U
EPD-WA-03-050423	TO-15 SIM	100-41-4	ETHYL BENZENE	0.038 J
EPD-WA-03-050423	TO-15 SIM	76-14-2	FREON 114	0.099 J
EPD-WA-03-050423	TO-15 SIM	75-71-8	FREON 12	2.1
EPD-WA-03-050423	TO-15 SIM	179601-23-1	M,P-XYLENE	0.14 J
EPD-WA-03-050423	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.49 U
EPD-WA-03-050423	TO-15 SIM	91-20-3	NAPHTHALENE	0.36 U
EPD-WA-03-050423	TO-15 SIM	95-47-6	O-XYLENE	0.061 J
EPD-WA-03-050423	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.027 J
EPD-WA-03-050423	TO-15 SIM	108-88-3	TOLUENE	0.27
EPD-WA-03-050423	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.54 U
EPD-WA-03-050423	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.15 U
EPD-WA-03-050423	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.035 U
EPD-WA-04-050423	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	5.2 U
EPD-WA-04-050423	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.21 J
EPD-WA-04-050423	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.85 U
EPD-WA-04-050423	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.65 U
EPD-WA-04-050423	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.69 U
EPD-WA-04-050423	TO-15	106-99-0	1,3-BUTADIENE	0.31 U
EPD-WA-04-050423	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.85 U
EPD-WA-04-050423	TO-15	123-91-1	1,4-DIOXANE	0.51 U
EPD-WA-04-050423	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3.3 U



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Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-04-050423	TO-15	75-09-2	METHYLENE CHLORIDE	0.98 U
EPD-WA-04-050423	TO-15	103-65-1	PROPYLBENZENE	0.69 U
EPD-WA-04-050423	TO-15	100-42-5	STYRENE	0.6 U
EPD-WA-04-050423	TO-15	109-99-9	TETRAHYDROFURAN	2.1 U
EPD-WA-04-050423	TO-15	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.64 U
EPD-WA-04-050423	TO-15 SIM	71-55-6	1,1,1-TRICHLOROETHANE	0.15 U
EPD-WA-04-050423	TO-15 SIM	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.19 U
EPD-WA-04-050423	TO-15 SIM	79-00-5	1,1,2-TRICHLOROETHANE	0.15 U
EPD-WA-04-050423	TO-15 SIM	75-34-3	1,1-DICHLOROETHANE	0.11 U
EPD-WA-04-050423	TO-15 SIM	75-35-4	1,1-DICHLOROETHENE	0.056 U
EPD-WA-04-050423	TO-15 SIM	106-93-4	1,2-DIBROMOETHANE (EDB)	0.22 U
EPD-WA-04-050423	TO-15 SIM	107-06-2	1,2-DICHLOROETHANE	0.072 J
EPD-WA-04-050423	TO-15 SIM	106-46-7	1,4-DICHLOROBENZENE	0.17 U
EPD-WA-04-050423	TO-15 SIM	71-43-2	BENZENE	0.67
EPD-WA-04-050423	TO-15 SIM	56-23-5	CARBON TETRACHLORIDE	0.46
EPD-WA-04-050423	TO-15 SIM	75-00-3	CHLOROETHANE	0.19 U
EPD-WA-04-050423	TO-15 SIM	67-66-3	CHLOROFORM	0.072 J
EPD-WA-04-050423	TO-15 SIM	74-87-3	CHLOROMETHANE	0.74 J
EPD-WA-04-050423	TO-15 SIM	156-59-2	CIS-1,2-DICHLOROETHENE	0.11 U
EPD-WA-04-050423	TO-15 SIM	100-41-4	ETHYL BENZENE	0.094 J
EPD-WA-04-050423	TO-15 SIM	76-14-2	FREON 114	0.11 J
EPD-WA-04-050423	TO-15 SIM	75-71-8	FREON 12	2.2
EPD-WA-04-050423	TO-15 SIM	179601-23-1	M,P-XYLENE	0.41
EPD-WA-04-050423	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.51 U
EPD-WA-04-050423	TO-15 SIM	91-20-3	NAPHTHALENE	0.37 U
EPD-WA-04-050423	TO-15 SIM	95-47-6	O-XYLENE	0.15
EPD-WA-04-050423	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.067 J
EPD-WA-04-050423	TO-15 SIM	108-88-3	TOLUENE	0.73
EPD-WA-04-050423	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.56 U
EPD-WA-04-050423	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.15 U
EPD-WA-04-050423	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.12
EPD-WA-05-050423	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	5.6 U
EPD-WA-05-050423	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.75 U
EPD-WA-05-050423	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.91 U
EPD-WA-05-050423	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.7 U
EPD-WA-05-050423	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.75 U
EPD-WA-05-050423	TO-15	106-99-0	1,3-BUTADIENE	0.34 U
EPD-WA-05-050423	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.91 U
EPD-WA-05-050423	TO-15	123-91-1	1,4-DIOXANE	0.55 U
EPD-WA-05-050423	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3.6 U
EPD-WA-05-050423	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	1.1 J
EPD-WA-05-050423	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0 U
EPD-WA-05-050423	TO-15	591-78-6	2-HEXANONE	3.1 U
EPD-WA-05-050423	TO-15	67-63-0	2-PROPANOL	7.5 U
EPD-WA-05-050423	TO-15	107-05-1	3-CHLOROPROPENE	2.4 U
EPD-WA-05-050423	TO-15	622-96-8	4-ETHYLTOLUENE	0.75 U
EPD-WA-05-050423	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.62 U
EPD-WA-05-050423	TO-15	67-64-1	ACETONE	9.1



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Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-WA-05-050423	TO-15	SIM 79-00-5	1,1,2-TRICHLOROETHANE	0.16	U
EPD-WA-05-050423	TO-15	SIM 75-34-3	1,1-DICHLOROETHANE	0.12	U
EPD-WA-05-050423	TO-15	SIM 75-35-4	1,1-DICHLOROETHENE	0.06	U
EPD-WA-05-050423	TO-15	SIM 106-93-4	1,2-DIBROMOETHANE (EDB)	0.23	U
EPD-WA-05-050423	TO-15	SIM 107-06-2	1,2-DICHLOROETHANE	0.12	U
EPD-WA-05-050423	TO-15	SIM 106-46-7	1,4-DICHLOROBENZENE	0.18	U
EPD-WA-05-050423	TO-15	SIM 71-43-2	BENZENE	0.19	J
EPD-WA-05-050423	TO-15	SIM 56-23-5	CARBON TETRACHLORIDE	0.43	
EPD-WA-05-050423	TO-15	SIM 75-00-3	CHLOROETHANE	0.2	U
EPD-WA-05-050423	TO-15	SIM 67-66-3	CHLOROFORM	0.072	J
EPD-WA-05-050423	TO-15	SIM 74-87-3	CHLOROMETHANE	0.73	J
EPD-WA-05-050423	TO-15	SIM 156-59-2	CIS-1,2-DICHLOROETHENE	0.12	U
EPD-WA-05-050423	TO-15	SIM 100-41-4	ETHYL BENZENE	0.19	
EPD-WA-05-050423	TO-15	SIM 76-14-2	FREON 114	0.1	J
EPD-WA-05-050423	TO-15	SIM 75-71-8	FREON 12	2.1	
EPD-WA-05-050423	TO-15	SIM 179601-23-1	M,P-XYLENE	0.79	
EPD-WA-05-050423	TO-15	SIM 1634-04-4	METHYL TERT-BUTYL ETHER	0.55	U
EPD-WA-05-050423	TO-15	SIM 91-20-3	NAPHTHALENE	0.14	J
EPD-WA-05-050423	TO-15	SIM 95-47-6	O-XYLENE	0.21	
EPD-WA-05-050423	TO-15	SIM 127-18-4	TETRACHLOROETHENE	0.21	U
EPD-WA-05-050423	TO-15	SIM 108-88-3	TOLUENE	1.7	
EPD-WA-05-050423	TO-15	SIM 156-60-5	TRANS-1,2-DICHLOROETHENE	0.27	J
EPD-WA-05-050423	TO-15	SIM 79-01-6	TRICHLOROETHENE	0.16	U
EPD-WA-05-050423	TO-15	SIM 75-01-4	VINYL CHLORIDE	0.039	U
EPD-WA-06-050423	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	5	U
EPD-WA-06-050423	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.66	U
EPD-WA-06-050423	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.81	U
EPD-WA-06-050423	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.62	U
EPD-WA-06-050423	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.66	U
EPD-WA-06-050423	TO-15	106-99-0	1,3-BUTADIENE	0.3	U
EPD-WA-06-050423	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.81	U
EPD-WA-06-050423	TO-15	123-91-1	1,4-DIOXANE	0.49	U
EPD-WA-06-050423	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3.2	U
EPD-WA-06-050423	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	2	U
EPD-WA-06-050423	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0	U
EPD-WA-06-050423	TO-15	591-78-6	2-HEXANONE	2.8	U
EPD-WA-06-050423	TO-15	67-63-0	2-PROPANOL	6.6	U
EPD-WA-06-050423	TO-15	107-05-1	3-CHLOROPROPENE	2.1	U
EPD-WA-06-050423	TO-15	622-96-8	4-ETHYLTOLUENE	0.22	J
EPD-WA-06-050423	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.55	U
EPD-WA-06-050423	TO-15	67-64-1	ACETONE	3.4	J
EPD-WA-06-050423	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.7	U
EPD-WA-06-050423	TO-15	75-27-4	BROMODICHLOROMETHANE	0.9	U
EPD-WA-06-050423	TO-15	75-25-2	BROMOFORM	1.4	U
EPD-WA-06-050423	TO-15	74-83-9	BROMOMETHANE	26	U
EPD-WA-06-050423	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0	U
EPD-WA-06-050423	TO-15	75-15-0	CARBON DISULFIDE	2.1	U
EPD-WA-06-050423	TO-15	108-90-7	CHLOROBENZENE	0.62	U

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Sample_ID	Method	CAS#	Analyte	Lab_Result	Unit
EPD-WA-06-050423	TO-15	SIM 75-00-3	CHLOROETHANE	0.18	U
EPD-WA-06-050423	TO-15	SIM 67-66-3	CHLOROFORM	0.07	J
EPD-WA-06-050423	TO-15	SIM 74-87-3	CHLOROMETHANE	0.73	U
EPD-WA-06-050423	TO-15	SIM 156-59-2	CIS-1,2-DICHLOROETHENE	0.11	U
EPD-WA-06-050423	TO-15	SIM 100-41-4	ETHYL BENZENE	0.093	J
EPD-WA-06-050423	TO-15	SIM 76-14-2	FREON 114	0.1	J
EPD-WA-06-050423	TO-15	SIM 75-71-8	FREON 12	2.1	U
EPD-WA-06-050423	TO-15	SIM 179601-23-1	M,P-XYLENE	0.32	U
EPD-WA-06-050423	TO-15	SIM 1634-04-4	METHYL TERT-BUTYL ETHER	0.49	U
EPD-WA-06-050423	TO-15	SIM 91-20-3	NAPHTHALENE	0.35	U
EPD-WA-06-050423	TO-15	SIM 95-47-6	O-XYLENE	0.12	U
EPD-WA-06-050423	TO-15	SIM 127-18-4	TETRACHLOROETHENE	0.029	J
EPD-WA-06-050423	TO-15	SIM 108-88-3	TOLUENE	0.55	U
EPD-WA-06-050423	TO-15	SIM 156-60-5	TRANS-1,2-DICHLOROETHENE	0.54	U
EPD-WA-06-050423	TO-15	SIM 79-01-6	TRICHLOROETHENE	0.14	U
EPD-WA-06-050423	TO-15	SIM 75-01-4	VINYL CHLORIDE	0.034	U
EPD-WA-44-050423	TO-15	120-82-1	1,2,4-TRICHLOROBENZENE	5.2	U
EPD-WA-44-050423	TO-15	95-63-6	1,2,4-TRIMETHYLBENZENE	0.25	J
EPD-WA-44-050423	TO-15	95-50-1	1,2-DICHLOROBENZENE	0.84	U
EPD-WA-44-050423	TO-15	78-87-5	1,2-DICHLOROPROPANE	0.64	U
EPD-WA-44-050423	TO-15	108-67-8	1,3,5-TRIMETHYLBENZENE	0.68	U
EPD-WA-44-050423	TO-15	106-99-0	1,3-BUTADIENE	0.31	U
EPD-WA-44-050423	TO-15	541-73-1	1,3-DICHLOROBENZENE	0.84	U
EPD-WA-44-050423	TO-15	123-91-1	1,4-DIOXANE	0.5	U
EPD-WA-44-050423	TO-15	540-84-1	2,2,4-TRIMETHYLPENTANE	3.2	U
EPD-WA-44-050423	TO-15	78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	2	U
EPD-WA-44-050423	TO-15	104-76-7	2-ETHYL-1-HEXANOL	0	U
EPD-WA-44-050423	TO-15	591-78-6	2-HEXANONE	2.8	U
EPD-WA-44-050423	TO-15	67-63-0	2-PROPANOL	6.8	U
EPD-WA-44-050423	TO-15	107-05-1	3-CHLOROPROPENE	2.2	U
EPD-WA-44-050423	TO-15	622-96-8	4-ETHYLTOLUENE	0.68	U
EPD-WA-44-050423	TO-15	108-10-1	4-METHYL-2-PENTANONE	0.57	U
EPD-WA-44-050423	TO-15	67-64-1	ACETONE	3	J
EPD-WA-44-050423	TO-15	100-44-7	ALPHA-CHLOROTOLUENE	0.72	U
EPD-WA-44-050423	TO-15	75-27-4	BROMODICHLOROMETHANE	0.93	U
EPD-WA-44-050423	TO-15	75-25-2	BROMOFORM	1.4	U
EPD-WA-44-050423	TO-15	74-83-9	BROMOMETHANE	27	U
EPD-WA-44-050423	TO-15	141-32-2	BUTYL ACRYLATE (2-PROPENOIC ACID ,BUTYL ESTER	0	U
EPD-WA-44-050423	TO-15	75-15-0	CARBON DISULFIDE	2.2	U
EPD-WA-44-050423	TO-15	108-90-7	CHLOROBENZENE	0.64	U
EPD-WA-44-050423	TO-15	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.63	U
EPD-WA-44-050423	TO-15	98-82-8	CUMENE	0.68	U
EPD-WA-44-050423	TO-15	110-82-7	CYCLOHEXANE	2.4	U
EPD-WA-44-050423	TO-15	124-48-1	DIBROMOCHLOROMETHANE	1.2	U
EPD-WA-44-050423	TO-15	64-17-5	ETHANOL	1.8	J
EPD-WA-44-050423	TO-15	75-69-4	FREON 11	1.2	U
EPD-WA-44-050423	TO-15	76-13-1	FREON 113	0.42	J
EPD-WA-44-050423	TO-15	142-82-5	HEPTANE	2.8	U

E PALESTINE SITE - ER AIR ANALYTICAL RESULTS SUMMARY  
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Sample_ID	Method	CAS#	Analyte	Lab_Result
EPD-WA-44-050423	TO-15 SIM	1634-04-4	METHYL TERT-BUTYL ETHER	0.5 U
EPD-WA-44-050423	TO-15 SIM	91-20-3	NAPHTHALENE	0.36 U
EPD-WA-44-050423	TO-15 SIM	95-47-6	O-XYLENE	0.15
EPD-WA-44-050423	TO-15 SIM	127-18-4	TETRACHLOROETHENE	0.028 J
EPD-WA-44-050423	TO-15 SIM	108-88-3	TOLUENE	0.74
EPD-WA-44-050423	TO-15 SIM	156-60-5	TRANS-1,2-DICHLOROETHENE	0.1 J
EPD-WA-44-050423	TO-15 SIM	79-01-6	TRICHLOROETHENE	0.15 U
EPD-WA-44-050423	TO-15 SIM	75-01-4	VINYL CHLORIDE	0.12