

**From:** Maguire, Andrew <maguire.andrew@epa.gov>  
**Sent:** Wednesday, September 7, 2022 2:34 PM  
**To:** Koch, Amanda A - DHS; Schultz, Josie M - DNR  
**Cc:** Hedman, Curtis J - DHS  
**Subject:** RE: Project Manager Update for Dry Cleaners Etc, BRRTS #02-69-552218  
**Attachments:** DVR Dry Cleaners Etc 0001CJ107 DTN1359.pdf

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Hi Amanda,

I can probably swing in here. I got the data validation report last week, it's attached. We're working on a letter to send to the home owner now. Last time I talked to her she had sold the house and it will be closing soon so I'll have to work with her on making sure the new owners get the data.

I did receive 2 additional access agreements from residents. I don't have anything planned for sampling yet but will plan on getting up there likely later this fall/early winter. I know there was some discussion of further sampling at the library as well and if we decide to do more there I will time that sampling up with the other homes.

Let me know if you have any questions.

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**Andy Maguire**  
*On-Scene Coordinator*  
U.S. EPA Region 5  
312-758-8672 (mobile)

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**From:** Koch, Amanda A - DHS <[Amanda.Koch@dhs.wisconsin.gov](mailto:Amanda.Koch@dhs.wisconsin.gov)>  
**Sent:** Wednesday, September 7, 2022 2:17 PM  
**To:** Schultz, Josie M - DNR <[josie.schultz@wisconsin.gov](mailto:josie.schultz@wisconsin.gov)>  
**Cc:** Curtis.Hedman <[Curtis.Hedman@dhs.wisconsin.gov](mailto:Curtis.Hedman@dhs.wisconsin.gov)>; Maguire, Andrew <[maguire.andrew@epa.gov](mailto:maguire.andrew@epa.gov)>  
**Subject:** RE: Project Manager Update for Dry Cleaners Etc, BRRTS #02-69-552218

Hi Josie,

Curtis and I are reaching out to you to ask whether you were aware of any updates since the sampling event that we at DHS led with Gwen earlier this summer. It sounded like there was at least one household that asked for swift sampling prior to the sale of her home. Do you know if this happened and if so, what the results were? Were there any additional homeowners who signed up for sampling?

Thanks!  
Amanda

**Amanda Koch, MPH**

Health Educator | Hazard Assessment Section  
Bureau of Environmental and Occupational Health  
Division of Public Health | Wisconsin Department of Health Services  
P: 608-267-2487 | F: 608-267-4853 | E: [Amanda.Koch@dhs.wi.gov](mailto:Amanda.Koch@dhs.wi.gov)

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**From:** Saliars, Gwen N - DNR <[gwen.saliars@wisconsin.gov](mailto:gwen.saliars@wisconsin.gov)>  
**Sent:** Friday, August 12, 2022 12:15 PM  
**To:** Koch, Amanda A - DHS <[Amanda.Koch@dhs.wisconsin.gov](mailto:Amanda.Koch@dhs.wisconsin.gov)>; Hedman, Curtis J - DHS <[Curtis.Hedman@dhs.wisconsin.gov](mailto:Curtis.Hedman@dhs.wisconsin.gov)>; Maguire, Andrew <[maguire.andrew@epa.gov](mailto:maguire.andrew@epa.gov)>  
**Cc:** Schultz, Josie M - DNR <[josie.schultz@wisconsin.gov](mailto:josie.schultz@wisconsin.gov)>  
**Subject:** Project Manager Update for Dry Cleaners Etc, BRRTS #02-69-552218

Good afternoon,

I wanted to notify you that I am taking a new position within the Remediation & Redevelopment program, and starting next Monday (8/15) will no longer be the Project Manager for the Dry Cleaners Etc site. Josie Schultz will be taking over things for me. Questions and updates on the off-site vapor sampling can be sent to her. Feel free to cc me on emails if there are specific questions. Thank you,

**We are committed to service excellence.**

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

**Gwen Saliars**

Hydrogeologist  
Remediation and Redevelopment Program  
Wisconsin Department of Natural Resources  
625 E County Rd Y, STE. 700  
Oshkosh, WI 54901  
Phone: (920) 510-4343  
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August 26, 2022

Mr. Andrew MacGuire  
On-Scene Coordinator  
U.S. Environmental Protection Agency, Region 5  
Emergency Response Branch  
77 West Jackson Boulevard  
Chicago, Illinois 60604

**Subject:           Data Validation Reports  
                      Dry Cleaners Etc Site - RS  
                      EPA Contract No.: 68HE0519D0005  
                      Task Order/Task Order Line Item No.: 68HE0520F0032/0001CJ107  
                      Document Tracking No. 1359**

Dear Mr. MacGuire:

Tetra Tech, Inc. (Tetra Tech) is submitting these data validation reports for five air samples (including two field duplicate air samples) collected at the Dry Cleaners Etc site. The samples were collected July 28 through 29, 2022, and were analyzed for volatile organic compounds by Eurofins Environment Testing America. The final laboratory data package was received on August 12, 2022.

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 3* (January 2022), the *National Functional Guidelines for Organic Superfund Methods Data Review* (November 2020).

No rejection of results was required for these data packages. The results may be used as qualified based on the findings of this validation effort.

If you have any questions regarding these data validation reports, please call me at (313) 574-3176.

Sincerely,

A handwritten signature in cursive script that reads 'Kelly D. Thomas'.

Kelly Thomas  
Environmental Scientist

Enclosure

cc:     Chris Burns, Tetra Tech Program Manager  
       Isaac Sageman, Tetra Tech Project Manager  
       Mayra ArroyoOrtiz, Tetra Tech Project Document Control Coordinator  
       TO-TOLIN File

Tetra Tech, Inc.  
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**ATTACHMENT 1**

**DATA VALIDATION REPORTS  
EUROFINS ENVIRONMENT TESTING AMERICA REPORT NOS.  
500-220280-1 AND 500-220288 -1**

**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

<b>Site Name</b>	Dry Cleaners Etc	<b>TO/TOLIN No.</b>	68HE0520F0032/0001CJ107
<b>Document Tracking No.</b>	1359a		
<b>Data Reviewer (signature and date)</b>	<i>Kelly D Thomas</i> August 16, 2022	<b>Technical Reviewer (signature and date)</b>	<i>Harry N. Ellis III</i> 22 August 2022
<b>Laboratory Report No.</b>	500-220280-1		
<b>Laboratory</b>	Eurofins Environment Testing America/South Burlington, Vermont		
<b>Analyses</b>	Volatile organic compounds (VOCs) by EPA method TO-15 (standard) and TO-15 (Low Level)		
<b>Samples and Matrix</b>	Four air samples including two field duplicate air samples		
<b>Collection Date(s)</b>	July 28 to 29, 2022		
<b>Field Duplicate Pairs</b>	DCE-1004-SS-01-20220728/DCE-1004-SS-01-20220728-02 and DCE-1004-IA-01-20220728/DCE-1004-IA-01-20220728-02		
<b>Field QC Blanks</b>	None		

**INTRODUCTION**

This checklist summarizes the Stage 3 validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *National Functional Guidelines (NFG) for Organic Superfund Methods Data Review* (November 2020).

**OVERALL EVALUATION**

No rejection of results was required for this data package. The results may be used as qualified based on the findings of this validation effort.

**Data completeness:**

Within Criteria	Exceedance/Notes
Y	



**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

**Sample preservation, receipt, and holding times:**

Within Criteria	Exceedance/Notes
Y	

**Instrument Performance Checks:**

Within Criteria	Exceedance/Notes
Y	

**Initial Calibration:**

Within Criteria	Exceedance/Notes
Y	

**Continuing Calibration:**

Within Criteria	Exceedance/Notes
Y	

**Calibration Verification:**

Within Criteria	Exceedance/Notes
Y	

**Method blanks:**

Within Criteria	Exceedance/Notes
N	<b>Analysis batch 182396:</b> Methylene chloride was detected in the method blank; therefore, the methylene chloride results for sample DCE-1004-SS-01-20220728-02 were qualified as estimated, possibly biased high (flagged J+).



**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

**Field blanks:**

Within Criteria	Exceedance/Notes
NA	

**Interference Check Samples (ICS) (ICP metals only):**

Within Criteria	Exceedance/Notes
NA	

**Surrogates and labeled compounds:**

Within Criteria	Exceedance/Notes
NA	

**MS/MSDs:**

Within Criteria	Exceedance/Notes
NA	

**Post digestion spikes:**

Within Criteria	Exceedance/Notes
NA	

**Serial dilutions:**

Within Criteria	Exceedance/Notes
NA	



**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

**Laboratory duplicates:**

Within Criteria	Exceedance/Notes
N	The START Region 5 QAPP requires one laboratory duplicate per extraction batch of 20 samples. The laboratory did not provide laboratory duplicate results. While no qualifications were applied, the data user should note this QAPP requirement was not met for the project samples.

**Field duplicates:**

Within Criteria	Exceedance/Notes
N	DCE-1004-IA-01-20220728/DCE-1004-IA-01-20220728-02: The relative percent difference (RPD) value exceeds the START Region 5 QAPP acceptance limit for tetrachloroethene; therefore, the results for tetrachloroethene for both samples were qualified as estimated (flagged J).  DCE-1004-SS-01-20220728/DCE-1004-SS-01-20220728-02: The absolute difference value exceeds the START Region 5 QAPP acceptance limit for n-butane; therefore, the results for n-butane for both samples were qualified as estimated (flagged J/UJ).

**LCSs/LCSDs:**

Within Criteria	Exceedance/Notes
Y	

**Sample dilutions:**

Within Criteria	Exceedance/Notes
NA	

**Re-extraction and reanalysis:**

Within Criteria	Exceedance/Notes
NA	





**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

**Second column confirmation (GC and HPLC analyses only):**

Within Criteria	Exceedance/Notes
NA	

**Internal Standards:**

Within Criteria	Exceedance/Notes
Y	

**Target analyte identification:**

Within Criteria	Exceedance/Notes
Y	

**Analyte quantitation and MDLs/RLs:**

Within Criteria	Exceedance/Notes
Y	Detections between the method detection limit and the reporting limit were reported and qualified as estimated (flagged J) by the laboratory.

**Tentatively identified compounds:**

Within Criteria	Exceedance/Notes
NA	



**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

**Other [None]:**

Within Criteria	Exceedance/Notes
NA	

**Overall Qualifications:**

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.



**Report: 500-220280-1**

Initial Calibration - 48785

Instrument: CHE.i

TO-15 Low Level

Vinyl Chloride

Page: 231-312

Level	1	2	3	4	5	6	7	8	9	10
Vinyl Chloride Concentration (ppbv)	0.007555	0.015110	0.030221	0.090081	0.200181	0.450407	0.678989	0.898661	1.347992	1.997025
Vinyl Chloride Response	935	1452	2630	8126	15858	35160	51763	69600	101648	149844
Bromochloromethane (IS) Concentration (ppbv)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Bromochloromethane (IS) Response	479226	477465	475441	433782	463489	481823	524402	490515	491808	501660
RF	25.825	20.126	18.304	20.796	17.092	16.202	14.538	15.789	15.333	14.957

Std Dev: 3.5096  
Mean RF: 17.896 ✓  
%RSD: 19.61 ✓

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Level 3 RF Check	Response	Conc.	Units	Page
Vinyl Chloride	2630	0.030221	ppbv	267
Bromochloromethane (IS)	475441	100.0	ppbv	312

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2630	x	100.0	=	18.304	✓
475441	x	0.030221			

IS = internal standard

**Report: 500-220280-1**

Initial Calibration - 48615

Instrument: CHC.i

TO-15

Vinyl Chloride

Page: 509-732

Level	1	2	3	4	5	6	7	8
Vinyl Chloride Concentration (ppbv)*	0.035077	0.200440	0.500453	4.992563	9.998060	15.003557	19.996120	39.992240
Vinyl Chloride Response	1053	4573	11704	97943	220216	351943	360854	949409
Bromochloromethane (IS) Concentration (ppbv)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Bromochloromethane (IS) Response	237082	229284	232163	240892	249544	265530	241151	298103
RF	2.532	1.990	2.015	1.629	1.765	1.767	1.497	1.593

Std Dev: 0.3309

Mean RF: 1.848

%RSD: 17.90



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Level 3 RF Check	Response	Conc.	Units	Page
Vinyl Chloride	11704	0.500453	ppbv	515
Bromochloromethane (IS)	232163	20.0	ppbv	647
	11704	x	20.0	= 2.015
	232163	x	0.500453	



IS = internal standard

DRY CLEANERS ETC SITE - RS AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS ENVIRONMENT TESTING AMERICA REPORT NO. 500-220280-1

Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-IA-01-20220728	TO15 LL	1,1,1-Trichloroethane	71-55-6	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	1,1,2,2-Tetrachloroethane	79-34-5	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	1,1,2-Trichloroethane	79-00-5	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	1,1-Dichloroethane	75-34-3	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	1,1-Dichloroethene	75-35-4	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	1,2-Dibromoethane	106-93-4	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	1,2-Dichloroethane	107-06-2	0.35		0.02	0.02	ppb v/v	0.35	
DCE-1004-IA-01-20220728	TO15 LL	1,2-Dichloroethene, Total	540-59-0	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	1,2-Dichloropropane	78-87-5	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728	TO15 LL	1,3,5-Trimethylbenzene	108-67-8	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728	TO15 LL	1,3-Butadiene	106-99-0	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728	TO15 LL	2,2,4-Trimethylpentane	540-84-1	0.037		0.01	0.01	ppb v/v	0.037	
DCE-1004-IA-01-20220728	TO15 LL	3-Chloropropene	107-05-1	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728	TO15 LL	4-Ethyltoluene	622-96-8	0.012		0.01	0.01	ppb v/v	0.012	
DCE-1004-IA-01-20220728	TO15 LL	Benzene	71-43-2	0.044		0.01	0.01	ppb v/v	0.044	
DCE-1004-IA-01-20220728	TO15 LL	Bromodichloromethane	75-27-4	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	Bromoethene(Vinyl Bromide)	593-60-2	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728	TO15 LL	Bromoform	75-25-2	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	Bromomethane	74-83-9	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728	TO15 LL	Carbon tetrachloride	56-23-5	0.046		0.01	0.01	ppb v/v	0.046	
DCE-1004-IA-01-20220728	TO15 LL	Chloroethane	75-00-3	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728	TO15 LL	Chloroform	67-66-3	0.032		0.01	0.01	ppb v/v	0.032	
DCE-1004-IA-01-20220728	TO15 LL	cis-1,2-Dichloroethene	156-59-2	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	cis-1,3-Dichloropropene	10061-01-5	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	Cyclohexane	110-82-7	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	Dibromochloromethane	124-48-1	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	Dichlorodifluoromethane	75-71-8	0.3		0.01	0.01	ppb v/v	0.30	
DCE-1004-IA-01-20220728	TO15 LL	Ethylbenzene	100-41-4	0.055		0.01	0.01	ppb v/v	0.055	
DCE-1004-IA-01-20220728	TO15 LL	Methyl tert-butyl ether	1634-04-4	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	Methylene Chloride	75-09-2	0.2	U	0.2	0.2	ppb v/v	0.20	U
DCE-1004-IA-01-20220728	TO15 LL	m-Xylene & p-Xylene	179601-23-1	0.19		0.02	0.02	ppb v/v	0.19	
DCE-1004-IA-01-20220728	TO15 LL	n-Heptane	142-82-5	0.078		0.01	0.01	ppb v/v	0.078	
DCE-1004-IA-01-20220728	TO15 LL	n-Hexane	110-54-3	0.05		0.02	0.02	ppb v/v	0.050	
DCE-1004-IA-01-20220728	TO15 LL	o-Xylene	95-47-6	0.082		0.01	0.01	ppb v/v	0.082	
DCE-1004-IA-01-20220728	TO15 LL	Tetrachloroethene	127-18-4	0.015		0.01	0.01	ppb v/v	0.015	J
DCE-1004-IA-01-20220728	TO15 LL	Toluene	108-88-3	0.11		0.01	0.01	ppb v/v	0.11	
DCE-1004-IA-01-20220728	TO15 LL	trans-1,2-Dichloroethene	156-60-5	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	trans-1,3-Dichloropropene	10061-02-6	0.01	U	0.01	0.01	ppb v/v	0.010	U

DRY CLEANERS ETC SITE - RS AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS ENVIRONMENT TESTING AMERICA REPORT NO. 500-220280-1

Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-IA-01-20220728	TO15 LL	Trichloroethene	79-01-6	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728	TO15 LL	Trichlorofluoromethane	75-69-4	0.14		0.01	0.01	ppb v/v	0.14	
DCE-1004-IA-01-20220728	TO15 LL	Vinyl chloride	75-01-4	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728	TO15 LL	Xylenes, Total	1330-20-7	0.27		0.01	0.01	ppb v/v	0.27	
DCE-1004-IA-01-20220728	TO15 LL	1,1,1-Trichloroethane	71-55-6	0.055	U	0.055	0.055	ug/m3	0.055	U
DCE-1004-IA-01-20220728	TO15 LL	1,1,2,2-Tetrachloroethane	79-34-5	0.069	U	0.069	0.069	ug/m3	0.069	U
DCE-1004-IA-01-20220728	TO15 LL	1,1,2-Trichloroethane	79-00-5	0.055	U	0.055	0.055	ug/m3	0.055	U
DCE-1004-IA-01-20220728	TO15 LL	1,1-Dichloroethane	75-34-3	0.04	U	0.04	0.04	ug/m3	0.040	U
DCE-1004-IA-01-20220728	TO15 LL	1,1-Dichloroethene	75-35-4	0.04	U	0.04	0.04	ug/m3	0.040	U
DCE-1004-IA-01-20220728	TO15 LL	1,2-Dibromoethane	106-93-4	0.077	U	0.077	0.077	ug/m3	0.077	U
DCE-1004-IA-01-20220728	TO15 LL	1,2-Dichloroethane	107-06-2	1.4		0.081	0.081	ug/m3	1.4	
DCE-1004-IA-01-20220728	TO15 LL	1,2-Dichloroethene, Total	540-59-0	0.04	U	0.04	0.04	ug/m3	0.040	U
DCE-1004-IA-01-20220728	TO15 LL	1,2-Dichloropropane	78-87-5	0.092	U	0.092	0.092	ug/m3	0.092	U
DCE-1004-IA-01-20220728	TO15 LL	1,3,5-Trimethylbenzene	108-67-8	0.098	U	0.098	0.098	ug/m3	0.098	U
DCE-1004-IA-01-20220728	TO15 LL	1,3-Butadiene	106-99-0	0.044	U	0.044	0.044	ug/m3	0.044	U
DCE-1004-IA-01-20220728	TO15 LL	2,2,4-Trimethylpentane	540-84-1	0.17		0.047	0.047	ug/m3	0.17	
DCE-1004-IA-01-20220728	TO15 LL	3-Chloropropene	107-05-1	0.063	U	0.063	0.063	ug/m3	0.063	U
DCE-1004-IA-01-20220728	TO15 LL	4-Ethyltoluene	622-96-8	0.061		0.049	0.049	ug/m3	0.061	
DCE-1004-IA-01-20220728	TO15 LL	Benzene	71-43-2	0.14		0.032	0.032	ug/m3	0.14	
DCE-1004-IA-01-20220728	TO15 LL	Bromodichloromethane	75-27-4	0.067	U	0.067	0.067	ug/m3	0.067	U
DCE-1004-IA-01-20220728	TO15 LL	Bromoethene(Vinyl Bromide)	593-60-2	0.087	U	0.087	0.087	ug/m3	0.087	U
DCE-1004-IA-01-20220728	TO15 LL	Bromoform	75-25-2	0.1	U	0.1	0.1	ug/m3	0.10	U
DCE-1004-IA-01-20220728	TO15 LL	Bromomethane	74-83-9	0.078	U	0.078	0.078	ug/m3	0.078	U
DCE-1004-IA-01-20220728	TO15 LL	Carbon tetrachloride	56-23-5	0.29		0.063	0.063	ug/m3	0.29	
DCE-1004-IA-01-20220728	TO15 LL	Chloroethane	75-00-3	0.053	U	0.053	0.053	ug/m3	0.053	U
DCE-1004-IA-01-20220728	TO15 LL	Chloroform	67-66-3	0.16		0.049	0.049	ug/m3	0.16	
DCE-1004-IA-01-20220728	TO15 LL	cis-1,2-Dichloroethene	156-59-2	0.04	U	0.04	0.04	ug/m3	0.040	U
DCE-1004-IA-01-20220728	TO15 LL	cis-1,3-Dichloropropene	10061-01-5	0.045	U	0.045	0.045	ug/m3	0.045	U
DCE-1004-IA-01-20220728	TO15 LL	Cyclohexane	110-82-7	0.034	U	0.034	0.034	ug/m3	0.034	U
DCE-1004-IA-01-20220728	TO15 LL	Dibromochloromethane	124-48-1	0.085	U	0.085	0.085	ug/m3	0.085	U
DCE-1004-IA-01-20220728	TO15 LL	Dichlorodifluoromethane	75-71-8	1.5		0.049	0.049	ug/m3	1.5	
DCE-1004-IA-01-20220728	TO15 LL	Ethylbenzene	100-41-4	0.24		0.043	0.043	ug/m3	0.24	
DCE-1004-IA-01-20220728	TO15 LL	Methyl tert-butyl ether	1634-04-4	0.036	U	0.036	0.036	ug/m3	0.036	U
DCE-1004-IA-01-20220728	TO15 LL	Methylene Chloride	75-09-2	0.69	U	0.69	0.69	ug/m3	0.69	U
DCE-1004-IA-01-20220728	TO15 LL	m-Xylene & p-Xylene	179601-23-1	0.83		0.087	0.087	ug/m3	0.83	
DCE-1004-IA-01-20220728	TO15 LL	n-Heptane	142-82-5	0.32		0.041	0.041	ug/m3	0.32	
DCE-1004-IA-01-20220728	TO15 LL	n-Hexane	110-54-3	0.18		0.07	0.07	ug/m3	0.18	
DCE-1004-IA-01-20220728	TO15 LL	o-Xylene	95-47-6	0.35		0.043	0.043	ug/m3	0.35	

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Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-IA-01-20220728	TO15 LL	Tetrachloroethene	127-18-4	0.1		0.068	0.068	ug/m3	0.10	J
DCE-1004-IA-01-20220728	TO15 LL	Toluene	108-88-3	0.43		0.038	0.038	ug/m3	0.43	
DCE-1004-IA-01-20220728	TO15 LL	trans-1,2-Dichloroethene	156-60-5	0.04	U	0.04	0.04	ug/m3	0.040	U
DCE-1004-IA-01-20220728	TO15 LL	trans-1,3-Dichloropropene	10061-02-6	0.045	U	0.045	0.045	ug/m3	0.045	U
DCE-1004-IA-01-20220728	TO15 LL	Trichloroethene	79-01-6	0.054	U	0.054	0.054	ug/m3	0.054	U
DCE-1004-IA-01-20220728	TO15 LL	Trichlorofluoromethane	75-69-4	0.76		0.056	0.056	ug/m3	0.76	
DCE-1004-IA-01-20220728	TO15 LL	Vinyl chloride	75-01-4	0.051	U	0.051	0.051	ug/m3	0.051	U
DCE-1004-IA-01-20220728	TO15 LL	Xylenes, Total	1330-20-7	1.2		0.043	0.043	ug/m3	1.2	
DCE-1004-IA-01-20220728-02	TO15 LL	1,1,1-Trichloroethane	71-55-6	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,1,2,2-Tetrachloroethane	79-34-5	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,1,2-Trichloroethane	79-00-5	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,1-Dichloroethane	75-34-3	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,1-Dichloroethene	75-35-4	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,2-Dibromoethane	106-93-4	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,2-Dichloroethane	107-06-2	0.38		0.02	0.02	ppb v/v	0.38	
DCE-1004-IA-01-20220728-02	TO15 LL	1,2-Dichloroethene, Total	540-59-0	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,2-Dichloropropane	78-87-5	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,3,5-Trimethylbenzene	108-67-8	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,3-Butadiene	106-99-0	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728-02	TO15 LL	2,2,4-Trimethylpentane	540-84-1	0.041		0.01	0.01	ppb v/v	0.041	
DCE-1004-IA-01-20220728-02	TO15 LL	3-Chloropropene	107-05-1	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728-02	TO15 LL	4-Ethyltoluene	622-96-8	0.012		0.01	0.01	ppb v/v	0.012	
DCE-1004-IA-01-20220728-02	TO15 LL	Benzene	71-43-2	0.048		0.01	0.01	ppb v/v	0.048	
DCE-1004-IA-01-20220728-02	TO15 LL	Bromodichloromethane	75-27-4	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	Bromoethene(Vinyl Bromide)	593-60-2	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728-02	TO15 LL	Bromoform	75-25-2	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	Bromomethane	74-83-9	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728-02	TO15 LL	Carbon tetrachloride	56-23-5	0.05		0.01	0.01	ppb v/v	0.050	
DCE-1004-IA-01-20220728-02	TO15 LL	Chloroethane	75-00-3	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728-02	TO15 LL	Chloroform	67-66-3	0.035		0.01	0.01	ppb v/v	0.035	
DCE-1004-IA-01-20220728-02	TO15 LL	cis-1,2-Dichloroethene	156-59-2	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	cis-1,3-Dichloropropene	10061-01-5	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	Cyclohexane	110-82-7	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	Dibromochloromethane	124-48-1	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	Dichlorodifluoromethane	75-71-8	0.32		0.01	0.01	ppb v/v	0.32	
DCE-1004-IA-01-20220728-02	TO15 LL	Ethylbenzene	100-41-4	0.058		0.01	0.01	ppb v/v	0.058	
DCE-1004-IA-01-20220728-02	TO15 LL	Methyl tert-butyl ether	1634-04-4	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	Methylene Chloride	75-09-2	0.2	U	0.2	0.2	ppb v/v	0.20	U

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DCE-1004-IA-01-20220728-02	TO15 LL	m-Xylene & p-Xylene	179601-23-1	0.21		0.02	0.02	ppb v/v	0.21	
DCE-1004-IA-01-20220728-02	TO15 LL	n-Heptane	142-82-5	0.081		0.01	0.01	ppb v/v	0.081	
DCE-1004-IA-01-20220728-02	TO15 LL	n-Hexane	110-54-3	0.066		0.02	0.02	ppb v/v	0.066	
DCE-1004-IA-01-20220728-02	TO15 LL	o-Xylene	95-47-6	0.092		0.01	0.01	ppb v/v	0.092	
DCE-1004-IA-01-20220728-02	TO15 LL	Tetrachloroethene	127-18-4	0.027		0.01	0.01	ppb v/v	0.027	J
DCE-1004-IA-01-20220728-02	TO15 LL	Toluene	108-88-3	0.13		0.01	0.01	ppb v/v	0.13	
DCE-1004-IA-01-20220728-02	TO15 LL	trans-1,2-Dichloroethene	156-60-5	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	trans-1,3-Dichloropropene	10061-02-6	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	Trichloroethene	79-01-6	0.01	U	0.01	0.01	ppb v/v	0.010	U
DCE-1004-IA-01-20220728-02	TO15 LL	Trichlorofluoromethane	75-69-4	0.15		0.01	0.01	ppb v/v	0.15	
DCE-1004-IA-01-20220728-02	TO15 LL	Vinyl chloride	75-01-4	0.02	U	0.02	0.02	ppb v/v	0.020	U
DCE-1004-IA-01-20220728-02	TO15 LL	Xylenes, Total	1330-20-7	0.3		0.01	0.01	ppb v/v	0.30	
DCE-1004-IA-01-20220728-02	TO15 LL	1,1,1-Trichloroethane	71-55-6	0.055	U	0.055	0.055	ug/m3	0.055	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,1,2,2-Tetrachloroethane	79-34-5	0.069	U	0.069	0.069	ug/m3	0.069	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,1,2-Trichloroethane	79-00-5	0.055	U	0.055	0.055	ug/m3	0.055	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,1-Dichloroethane	75-34-3	0.04	U	0.04	0.04	ug/m3	0.040	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,1-Dichloroethene	75-35-4	0.04	U	0.04	0.04	ug/m3	0.040	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,2-Dibromoethane	106-93-4	0.077	U	0.077	0.077	ug/m3	0.077	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,2-Dichloroethane	107-06-2	1.5		0.081	0.081	ug/m3	1.5	
DCE-1004-IA-01-20220728-02	TO15 LL	1,2-Dichloroethene, Total	540-59-0	0.04	U	0.04	0.04	ug/m3	0.040	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,2-Dichloropropane	78-87-5	0.092	U	0.092	0.092	ug/m3	0.092	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,3,5-Trimethylbenzene	108-67-8	0.098	U	0.098	0.098	ug/m3	0.098	U
DCE-1004-IA-01-20220728-02	TO15 LL	1,3-Butadiene	106-99-0	0.044	U	0.044	0.044	ug/m3	0.044	U
DCE-1004-IA-01-20220728-02	TO15 LL	2,2,4-Trimethylpentane	540-84-1	0.19		0.047	0.047	ug/m3	0.19	
DCE-1004-IA-01-20220728-02	TO15 LL	3-Chloropropene	107-05-1	0.063	U	0.063	0.063	ug/m3	0.063	U
DCE-1004-IA-01-20220728-02	TO15 LL	4-Ethyltoluene	622-96-8	0.058		0.049	0.049	ug/m3	0.058	
DCE-1004-IA-01-20220728-02	TO15 LL	Benzene	71-43-2	0.15		0.032	0.032	ug/m3	0.15	
DCE-1004-IA-01-20220728-02	TO15 LL	Bromodichloromethane	75-27-4	0.067	U	0.067	0.067	ug/m3	0.067	U
DCE-1004-IA-01-20220728-02	TO15 LL	Bromoethene(Vinyl Bromide)	593-60-2	0.087	U	0.087	0.087	ug/m3	0.087	U
DCE-1004-IA-01-20220728-02	TO15 LL	Bromoform	75-25-2	0.1	U	0.1	0.1	ug/m3	0.10	U
DCE-1004-IA-01-20220728-02	TO15 LL	Bromomethane	74-83-9	0.078	U	0.078	0.078	ug/m3	0.078	U
DCE-1004-IA-01-20220728-02	TO15 LL	Carbon tetrachloride	56-23-5	0.32		0.063	0.063	ug/m3	0.32	
DCE-1004-IA-01-20220728-02	TO15 LL	Chloroethane	75-00-3	0.053	U	0.053	0.053	ug/m3	0.053	U
DCE-1004-IA-01-20220728-02	TO15 LL	Chloroform	67-66-3	0.17		0.049	0.049	ug/m3	0.17	
DCE-1004-IA-01-20220728-02	TO15 LL	cis-1,2-Dichloroethene	156-59-2	0.04	U	0.04	0.04	ug/m3	0.040	U
DCE-1004-IA-01-20220728-02	TO15 LL	cis-1,3-Dichloropropene	10061-01-5	0.045	U	0.045	0.045	ug/m3	0.045	U
DCE-1004-IA-01-20220728-02	TO15 LL	Cyclohexane	110-82-7	0.034	U	0.034	0.034	ug/m3	0.034	U
DCE-1004-IA-01-20220728-02	TO15 LL	Dibromochloromethane	124-48-1	0.085	U	0.085	0.085	ug/m3	0.085	U



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Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-IA-01-20220728-02	TO15 LL	Dichlorodifluoromethane	75-71-8	1.6		0.049	0.049	ug/m3	1.6	
DCE-1004-IA-01-20220728-02	TO15 LL	Ethylbenzene	100-41-4	0.25		0.043	0.043	ug/m3	0.25	
DCE-1004-IA-01-20220728-02	TO15 LL	Methyl tert-butyl ether	1634-04-4	0.036	U	0.036	0.036	ug/m3	0.036	U
DCE-1004-IA-01-20220728-02	TO15 LL	Methylene Chloride	75-09-2	0.69	U	0.69	0.69	ug/m3	0.69	U
DCE-1004-IA-01-20220728-02	TO15 LL	m-Xylene & p-Xylene	179601-23-1	0.91		0.087	0.087	ug/m3	0.91	
DCE-1004-IA-01-20220728-02	TO15 LL	n-Heptane	142-82-5	0.33		0.041	0.041	ug/m3	0.33	
DCE-1004-IA-01-20220728-02	TO15 LL	n-Hexane	110-54-3	0.23		0.07	0.07	ug/m3	0.23	
DCE-1004-IA-01-20220728-02	TO15 LL	o-Xylene	95-47-6	0.4		0.043	0.043	ug/m3	0.40	
DCE-1004-IA-01-20220728-02	TO15 LL	Tetrachloroethene	127-18-4	0.18		0.068	0.068	ug/m3	0.18	J
DCE-1004-IA-01-20220728-02	TO15 LL	Toluene	108-88-3	0.47		0.038	0.038	ug/m3	0.47	
DCE-1004-IA-01-20220728-02	TO15 LL	trans-1,2-Dichloroethene	156-60-5	0.04	U	0.04	0.04	ug/m3	0.040	U
DCE-1004-IA-01-20220728-02	TO15 LL	trans-1,3-Dichloropropene	10061-02-6	0.045	U	0.045	0.045	ug/m3	0.045	U
DCE-1004-IA-01-20220728-02	TO15 LL	Trichloroethene	79-01-6	0.054	U	0.054	0.054	ug/m3	0.054	U
DCE-1004-IA-01-20220728-02	TO15 LL	Trichlorofluoromethane	75-69-4	0.82		0.056	0.056	ug/m3	0.82	
DCE-1004-IA-01-20220728-02	TO15 LL	Vinyl chloride	75-01-4	0.051	U	0.051	0.051	ug/m3	0.051	U
DCE-1004-IA-01-20220728-02	TO15 LL	Xylenes, Total	1330-20-7	1.3		0.043	0.043	ug/m3	1.3	
DCE-1004-SS-01-20220728	TO-15	1,1,1-Trichloroethane	71-55-6	0.2	U	0.039	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,1,2,2-Tetrachloroethane	79-34-5	0.2	U	0.043	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,1,2-Trichloroethane	79-00-5	0.2	U	0.034	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,1-Dichloroethane	75-34-3	0.2	U	0.029	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,1-Dichloroethene	75-35-4	0.2	U	0.029	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.19	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728	TO-15	1,2,4-Trimethylbenzene	95-63-6	0.059	J	0.047	0.2	ppb v/v	0.059	J
DCE-1004-SS-01-20220728	TO-15	1,2-Dibromoethane	106-93-4	0.2	U	0.046	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,2-Dichlorobenzene	95-50-1	0.2	U	0.07	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,2-Dichloroethane	107-06-2	0.29		0.15	0.2	ppb v/v	0.29	
DCE-1004-SS-01-20220728	TO-15	1,2-Dichloroethene, Total	540-59-0	0.4	U	0.18	0.4	ppb v/v	0.40	U
DCE-1004-SS-01-20220728	TO-15	1,2-Dichloropropane	78-87-5	0.2	U	0.087	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,2-Dichlorotetrafluoroethane	76-14-2	0.2	U	0.055	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,3,5-Trimethylbenzene	108-67-8	0.2	U	0.044	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,3-Butadiene	106-99-0	0.2	U	0.038	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,3-Dichlorobenzene	541-73-1	0.2	U	0.089	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,4-Dichlorobenzene	106-46-7	0.2	U	0.095	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	1,4-Dioxane	123-91-1	5	U	1.7	5	ppb v/v	5.0	U
DCE-1004-SS-01-20220728	TO-15	2,2,4-Trimethylpentane	540-84-1	0.2	U	0.035	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	2-Chlorotoluene	95-49-8	0.2	U	0.048	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	3-Chloropropene	107-05-1	0.5	U	0.11	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728	TO-15	4-Ethyltoluene	622-96-8	0.2	U	0.051	0.2	ppb v/v	0.20	U

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DCE-1004-SS-01-20220728	TO-15	4-Isopropyltoluene	99-87-6	0.058	J	0.039	0.2	ppb v/v	0.058	J
DCE-1004-SS-01-20220728	TO-15	Acetone	67-64-1	35		2	5	ppb v/v	35	
DCE-1004-SS-01-20220728	TO-15	Benzene	71-43-2	0.2	U	0.074	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Benzyl chloride	100-44-7	0.2	U	0.074	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Bromodichloromethane	75-27-4	0.2	U	0.04	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Bromoethene(Vinyl Bromide)	593-60-2	0.2	U	0.085	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Bromoform	75-25-2	0.2	U	0.058	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Bromomethane	74-83-9	0.2	U	0.052	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Carbon disulfide	75-15-0	0.5	U	0.13	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728	TO-15	Carbon tetrachloride	56-23-5	0.036	J	0.032	0.2	ppb v/v	0.036	J
DCE-1004-SS-01-20220728	TO-15	Chlorobenzene	108-90-7	0.2	U	0.043	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Chloroethane	75-00-3	0.5	U	0.25	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728	TO-15	Chloroform	67-66-3	0.14	J	0.046	0.2	ppb v/v	0.14	J
DCE-1004-SS-01-20220728	TO-15	Chloromethane	74-87-3	0.18	J	0.12	0.5	ppb v/v	0.18	J
DCE-1004-SS-01-20220728	TO-15	cis-1,2-Dichloroethene	156-59-2	0.2	U	0.033	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	cis-1,3-Dichloropropene	10061-01-5	0.2	U	0.02	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Cumene	98-82-8	0.2	U	0.037	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Cyclohexane	110-82-7	1.6		0.035	0.2	ppb v/v	1.6	
DCE-1004-SS-01-20220728	TO-15	Dibromochloromethane	124-48-1	0.2	U	0.031	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Dichlorodifluoromethane	75-71-8	0.45	J	0.11	0.5	ppb v/v	0.45	J
DCE-1004-SS-01-20220728	TO-15	Ethylbenzene	100-41-4	0.2	U	0.1	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Freon 22	75-45-6	0.16	J	0.11	0.5	ppb v/v	0.16	J
DCE-1004-SS-01-20220728	TO-15	Freon TF	76-13-1	0.2	U	0.055	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Hexachlorobutadiene	87-68-3	0.038	J	0.031	0.2	ppb v/v	0.038	J
DCE-1004-SS-01-20220728	TO-15	Isopropyl alcohol	67-63-0	18		0.98	5	ppb v/v	18	
DCE-1004-SS-01-20220728	TO-15	Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.5	U	0.2	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728	TO-15	Methyl Ethyl Ketone	78-93-3	2		0.17	0.5	ppb v/v	2.0	
DCE-1004-SS-01-20220728	TO-15	methyl isobutyl ketone	108-10-1	0.5	U	0.19	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728	TO-15	Methyl methacrylate	80-62-6	0.5	U	0.16	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728	TO-15	Methyl tert-butyl ether	1634-04-4	0.2	U	0.08	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Methylene Chloride	75-09-2	0.5	U	0.17	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728	TO-15	m-Xylene & p-Xylene	179601-23-1	0.22	J	0.17	0.5	ppb v/v	0.22	J
DCE-1004-SS-01-20220728	TO-15	Naphthalene	91-20-3	0.5	U	0.17	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728	TO-15	n-Butane	106-97-8	0.5	U	0.19	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728	TO-15	n-Butylbenzene	104-51-8	0.2	U	0.055	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	n-Heptane	142-82-5	0.099	J	0.059	0.2	ppb v/v	0.099	J
DCE-1004-SS-01-20220728	TO-15	n-Hexane	110-54-3	0.3	J	0.23	0.5	ppb v/v	0.30	J
DCE-1004-SS-01-20220728	TO-15	n-Propylbenzene	103-65-1	0.2	U	0.047	0.2	ppb v/v	0.20	U

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Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-SS-01-20220728	TO-15	o-Xylene	95-47-6	0.2	U	0.094	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	sec-Butylbenzene	135-98-8	0.2	U	0.039	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Styrene	100-42-5	0.2		0.032	0.2	ppb v/v	0.20	
DCE-1004-SS-01-20220728	TO-15	tert-Butyl alcohol	75-65-0	1.7	J	1.2	5	ppb v/v	1.7	J
DCE-1004-SS-01-20220728	TO-15	tert-Butylbenzene	98-06-6	0.2	U	0.037	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Tetrachloroethene	127-18-4	0.46		0.027	0.2	ppb v/v	0.46	
DCE-1004-SS-01-20220728	TO-15	Tetrahydrofuran	109-99-9	5	U	1.2	5	ppb v/v	5.0	U
DCE-1004-SS-01-20220728	TO-15	Toluene	108-88-3	0.2		0.093	0.2	ppb v/v	0.20	
DCE-1004-SS-01-20220728	TO-15	trans-1,2-Dichloroethene	156-60-5	0.2	U	0.088	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	trans-1,3-Dichloropropene	10061-02-6	0.2	U	0.089	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Trichloroethene	79-01-6	0.2	U	0.024	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Trichlorofluoromethane	75-69-4	0.17	J	0.052	0.2	ppb v/v	0.17	J
DCE-1004-SS-01-20220728	TO-15	Vinyl chloride	75-01-4	0.2	U	0.028	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728	TO-15	Xylenes, Total	1330-20-7	0.7	U	0.26	0.7	ppb v/v	0.70	U
DCE-1004-SS-01-20220728	TO-15	1,1,1-Trichloroethane	71-55-6	1.1	U	0.21	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728	TO-15	1,1,2,2-Tetrachloroethane	79-34-5	1.4	U	0.3	1.4	ug/m3	1.4	U
DCE-1004-SS-01-20220728	TO-15	1,1,2-Trichloroethane	79-00-5	1.1	U	0.19	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728	TO-15	1,1-Dichloroethane	75-34-3	0.81	U	0.12	0.81	ug/m3	0.81	U
DCE-1004-SS-01-20220728	TO-15	1,1-Dichloroethene	75-35-4	0.79	U	0.11	0.79	ug/m3	0.79	U
DCE-1004-SS-01-20220728	TO-15	1,2,4-Trichlorobenzene	120-82-1	3.7	U	1.4	3.7	ug/m3	3.7	U
DCE-1004-SS-01-20220728	TO-15	1,2,4-Trimethylbenzene	95-63-6	0.29	J	0.23	0.98	ug/m3	0.29	J
DCE-1004-SS-01-20220728	TO-15	1,2-Dibromoethane	106-93-4	1.5	U	0.35	1.5	ug/m3	1.5	U
DCE-1004-SS-01-20220728	TO-15	1,2-Dichlorobenzene	95-50-1	1.2	U	0.42	1.2	ug/m3	1.2	U
DCE-1004-SS-01-20220728	TO-15	1,2-Dichloroethane	107-06-2	1.2		0.61	0.81	ug/m3	1.2	
DCE-1004-SS-01-20220728	TO-15	1,2-Dichloroethene, Total	540-59-0	1.6	U	0.71	1.6	ug/m3	1.6	U
DCE-1004-SS-01-20220728	TO-15	1,2-Dichloropropane	78-87-5	0.92	U	0.4	0.92	ug/m3	0.92	U
DCE-1004-SS-01-20220728	TO-15	1,2-Dichlorotetrafluoroethane	76-14-2	1.4	U	0.38	1.4	ug/m3	1.4	U
DCE-1004-SS-01-20220728	TO-15	1,3,5-Trimethylbenzene	108-67-8	0.98	U	0.22	0.98	ug/m3	0.98	U
DCE-1004-SS-01-20220728	TO-15	1,3-Butadiene	106-99-0	0.44	U	0.084	0.44	ug/m3	0.44	U
DCE-1004-SS-01-20220728	TO-15	1,3-Dichlorobenzene	541-73-1	1.2	U	0.54	1.2	ug/m3	1.2	U
DCE-1004-SS-01-20220728	TO-15	1,4-Dichlorobenzene	106-46-7	1.2	U	0.57	1.2	ug/m3	1.2	U
DCE-1004-SS-01-20220728	TO-15	1,4-Dioxane	123-91-1	18	U	6.1	18	ug/m3	18	U
DCE-1004-SS-01-20220728	TO-15	2,2,4-Trimethylpentane	540-84-1	0.93	U	0.16	0.93	ug/m3	0.93	U
DCE-1004-SS-01-20220728	TO-15	2-Chlorotoluene	95-49-8	1	U	0.25	1	ug/m3	1.0	U
DCE-1004-SS-01-20220728	TO-15	3-Chloropropene	107-05-1	1.6	U	0.34	1.6	ug/m3	1.6	U
DCE-1004-SS-01-20220728	TO-15	4-Ethyltoluene	622-96-8	0.98	U	0.25	0.98	ug/m3	0.98	U
DCE-1004-SS-01-20220728	TO-15	4-Isopropyltoluene	99-87-6	0.32	J	0.21	1.1	ug/m3	0.32	J
DCE-1004-SS-01-20220728	TO-15	Acetone	67-64-1	83		4.8	12	ug/m3	83	

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DCE-1004-SS-01-20220728	TO-15	Benzene	71-43-2	0.64	U	0.24	0.64	ug/m3	0.64	U
DCE-1004-SS-01-20220728	TO-15	Benzyl chloride	100-44-7	1	U	0.38	1	ug/m3	1.0	U
DCE-1004-SS-01-20220728	TO-15	Bromodichloromethane	75-27-4	1.3	U	0.27	1.3	ug/m3	1.3	U
DCE-1004-SS-01-20220728	TO-15	Bromoethene(Vinyl Bromide)	593-60-2	0.87	U	0.37	0.87	ug/m3	0.87	U
DCE-1004-SS-01-20220728	TO-15	Bromoform	75-25-2	2.1	U	0.6	2.1	ug/m3	2.1	U
DCE-1004-SS-01-20220728	TO-15	Bromomethane	74-83-9	0.78	U	0.2	0.78	ug/m3	0.78	U
DCE-1004-SS-01-20220728	TO-15	Carbon disulfide	75-15-0	1.6	U	0.4	1.6	ug/m3	1.6	U
DCE-1004-SS-01-20220728	TO-15	Carbon tetrachloride	56-23-5	0.23	J	0.2	1.3	ug/m3	0.23	J
DCE-1004-SS-01-20220728	TO-15	Chlorobenzene	108-90-7	0.92	U	0.2	0.92	ug/m3	0.92	U
DCE-1004-SS-01-20220728	TO-15	Chloroethane	75-00-3	1.3	U	0.66	1.3	ug/m3	1.3	U
DCE-1004-SS-01-20220728	TO-15	Chloroform	67-66-3	0.67	J	0.22	0.98	ug/m3	0.67	J
DCE-1004-SS-01-20220728	TO-15	Chloromethane	74-87-3	0.37	J	0.25	1	ug/m3	0.37	J
DCE-1004-SS-01-20220728	TO-15	cis-1,2-Dichloroethene	156-59-2	0.79	U	0.13	0.79	ug/m3	0.79	U
DCE-1004-SS-01-20220728	TO-15	cis-1,3-Dichloropropene	10061-01-5	0.91	U	0.091	0.91	ug/m3	0.91	U
DCE-1004-SS-01-20220728	TO-15	Cumene	98-82-8	0.98	U	0.18	0.98	ug/m3	0.98	U
DCE-1004-SS-01-20220728	TO-15	Cyclohexane	110-82-7	5.4		0.12	0.69	ug/m3	5.4	
DCE-1004-SS-01-20220728	TO-15	Dibromochloromethane	124-48-1	1.7	U	0.26	1.7	ug/m3	1.7	U
DCE-1004-SS-01-20220728	TO-15	Dichlorodifluoromethane	75-71-8	2.2	J	0.54	2.5	ug/m3	2.2	J
DCE-1004-SS-01-20220728	TO-15	Ethylbenzene	100-41-4	0.87	U	0.43	0.87	ug/m3	0.87	U
DCE-1004-SS-01-20220728	TO-15	Freon 22	75-45-6	0.58	J	0.39	1.8	ug/m3	0.58	J
DCE-1004-SS-01-20220728	TO-15	Freon TF	76-13-1	1.5	U	0.42	1.5	ug/m3	1.5	U
DCE-1004-SS-01-20220728	TO-15	Hexachlorobutadiene	87-68-3	0.4	J	0.33	2.1	ug/m3	0.40	J
DCE-1004-SS-01-20220728	TO-15	Isopropyl alcohol	67-63-0	45		2.4	12	ug/m3	45	
DCE-1004-SS-01-20220728	TO-15	Methyl Butyl Ketone (2-Hexanone)	591-78-6	2	U	0.82	2	ug/m3	2.0	U
DCE-1004-SS-01-20220728	TO-15	Methyl Ethyl Ketone	78-93-3	6		0.5	1.5	ug/m3	6.0	
DCE-1004-SS-01-20220728	TO-15	methyl isobutyl ketone	108-10-1	2	U	0.78	2	ug/m3	2.0	U
DCE-1004-SS-01-20220728	TO-15	Methyl methacrylate	80-62-6	2	U	0.66	2	ug/m3	2.0	U
DCE-1004-SS-01-20220728	TO-15	Methyl tert-butyl ether	1634-04-4	0.72	U	0.29	0.72	ug/m3	0.72	U
DCE-1004-SS-01-20220728	TO-15	Methylene Chloride	75-09-2	1.7	U	0.59	1.7	ug/m3	1.7	U
DCE-1004-SS-01-20220728	TO-15	m-Xylene & p-Xylene	179601-23-1	0.98	J	0.74	2.2	ug/m3	0.98	J
DCE-1004-SS-01-20220728	TO-15	Naphthalene	91-20-3	2.6	U	0.89	2.6	ug/m3	2.6	U
DCE-1004-SS-01-20220728	TO-15	n-Butane	106-97-8	1.2	U	0.45	1.2	ug/m3	1.2	U
DCE-1004-SS-01-20220728	TO-15	n-Butylbenzene	104-51-8	1.1	U	0.3	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728	TO-15	n-Heptane	142-82-5	0.41	J	0.24	0.82	ug/m3	0.41	J
DCE-1004-SS-01-20220728	TO-15	n-Hexane	110-54-3	1.1	J	0.81	1.8	ug/m3	1.1	J
DCE-1004-SS-01-20220728	TO-15	n-Propylbenzene	103-65-1	0.98	U	0.23	0.98	ug/m3	0.98	U
DCE-1004-SS-01-20220728	TO-15	o-Xylene	95-47-6	0.87	U	0.41	0.87	ug/m3	0.87	U
DCE-1004-SS-01-20220728	TO-15	sec-Butylbenzene	135-98-8	1.1	U	0.21	1.1	ug/m3	1.1	U

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Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-SS-01-20220728	TO-15	Styrene	100-42-5	0.85		0.14	0.85	ug/m3	0.85	
DCE-1004-SS-01-20220728	TO-15	tert-Butyl alcohol	75-65-0	5.2	J	3.6	15	ug/m3	5.2	J
DCE-1004-SS-01-20220728	TO-15	tert-Butylbenzene	98-06-6	1.1	U	0.2	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728	TO-15	Tetrachloroethene	127-18-4	3.1		0.18	1.4	ug/m3	3.1	
DCE-1004-SS-01-20220728	TO-15	Tetrahydrofuran	109-99-9	15	U	3.5	15	ug/m3	15	U
DCE-1004-SS-01-20220728	TO-15	Toluene	108-88-3	0.77		0.35	0.75	ug/m3	0.77	
DCE-1004-SS-01-20220728	TO-15	trans-1,2-Dichloroethene	156-60-5	0.79	U	0.35	0.79	ug/m3	0.79	U
DCE-1004-SS-01-20220728	TO-15	trans-1,3-Dichloropropene	10061-02-6	0.91	U	0.4	0.91	ug/m3	0.91	U
DCE-1004-SS-01-20220728	TO-15	Trichloroethene	79-01-6	1.1	U	0.13	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728	TO-15	Trichlorofluoromethane	75-69-4	0.94	J	0.29	1.1	ug/m3	0.94	J
DCE-1004-SS-01-20220728	TO-15	Vinyl chloride	75-01-4	0.51	U	0.072	0.51	ug/m3	0.51	U
DCE-1004-SS-01-20220728	TO-15	Xylenes, Total	1330-20-7	3	U	1.1	3	ug/m3	3.0	U
DCE-1004-SS-01-20220728-02	TO-15	1,1,1-Trichloroethane	71-55-6	0.2	U	0.039	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,1,2,2-Tetrachloroethane	79-34-5	0.2	U	0.043	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,1,2-Trichloroethane	79-00-5	0.2	U	0.034	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,1-Dichloroethane	75-34-3	0.2	U	0.029	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,1-Dichloroethene	75-35-4	0.2	U	0.029	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.19	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728-02	TO-15	1,2,4-Trimethylbenzene	95-63-6	0.059	J	0.047	0.2	ppb v/v	0.059	J
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dibromoethane	106-93-4	0.2	U	0.046	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dichlorobenzene	95-50-1	0.2	U	0.07	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dichloroethane	107-06-2	0.27		0.15	0.2	ppb v/v	0.27	
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dichloroethene, Total	540-59-0	0.4	U	0.18	0.4	ppb v/v	0.40	U
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dichloropropane	78-87-5	0.2	U	0.087	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dichlorotetrafluoroethane	76-14-2	0.2	U	0.055	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,3,5-Trimethylbenzene	108-67-8	0.2	U	0.044	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,3-Butadiene	106-99-0	0.2	U	0.038	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,3-Dichlorobenzene	541-73-1	0.2	U	0.089	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,4-Dichlorobenzene	106-46-7	0.2	U	0.095	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	1,4-Dioxane	123-91-1	5	U	1.7	5	ppb v/v	5.0	U
DCE-1004-SS-01-20220728-02	TO-15	2,2,4-Trimethylpentane	540-84-1	0.2	U	0.035	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	2-Chlorotoluene	95-49-8	0.2	U	0.048	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	3-Chloropropene	107-05-1	0.5	U	0.11	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728-02	TO-15	4-Ethyltoluene	622-96-8	0.2	U	0.051	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	4-Isopropyltoluene	99-87-6	0.055	J	0.039	0.2	ppb v/v	0.055	J
DCE-1004-SS-01-20220728-02	TO-15	Acetone	67-64-1	30		2	5	ppb v/v	30	
DCE-1004-SS-01-20220728-02	TO-15	Benzene	71-43-2	0.1	J	0.074	0.2	ppb v/v	0.10	J
DCE-1004-SS-01-20220728-02	TO-15	Benzyl chloride	100-44-7	0.2	U	0.074	0.2	ppb v/v	0.20	U

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Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-SS-01-20220728-02	TO-15	Bromodichloromethane	75-27-4	0.2	U	0.04	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Bromoethene(Vinyl Bromide)	593-60-2	0.2	U	0.085	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Bromoform	75-25-2	0.2	U	0.058	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Bromomethane	74-83-9	0.2	U	0.052	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Carbon disulfide	75-15-0	0.5	U	0.13	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728-02	TO-15	Carbon tetrachloride	56-23-5	0.037	J	0.032	0.2	ppb v/v	0.037	J
DCE-1004-SS-01-20220728-02	TO-15	Chlorobenzene	108-90-7	0.2	U	0.043	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Chloroethane	75-00-3	0.5	U	0.25	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728-02	TO-15	Chloroform	67-66-3	0.18	J	0.046	0.2	ppb v/v	0.18	J
DCE-1004-SS-01-20220728-02	TO-15	Chloromethane	74-87-3	0.22	J	0.12	0.5	ppb v/v	0.22	J
DCE-1004-SS-01-20220728-02	TO-15	cis-1,2-Dichloroethene	156-59-2	0.2	U	0.033	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	cis-1,3-Dichloropropene	10061-01-5	0.2	U	0.02	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Cumene	98-82-8	0.2	U	0.037	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Cyclohexane	110-82-7	1.4		0.035	0.2	ppb v/v	1.4	
DCE-1004-SS-01-20220728-02	TO-15	Dibromochloromethane	124-48-1	0.2	U	0.031	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Dichlorodifluoromethane	75-71-8	0.43	J	0.11	0.5	ppb v/v	0.43	J
DCE-1004-SS-01-20220728-02	TO-15	Ethylbenzene	100-41-4	0.2	U	0.1	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Freon 22	75-45-6	0.24	J	0.11	0.5	ppb v/v	0.24	J
DCE-1004-SS-01-20220728-02	TO-15	Freon TF	76-13-1	0.2	U	0.055	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Hexachlorobutadiene	87-68-3	0.05	J	0.031	0.2	ppb v/v	0.050	J
DCE-1004-SS-01-20220728-02	TO-15	Isopropyl alcohol	67-63-0	18		0.98	5	ppb v/v	18	
DCE-1004-SS-01-20220728-02	TO-15	Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.5	U	0.2	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728-02	TO-15	Methyl Ethyl Ketone	78-93-3	1.9		0.17	0.5	ppb v/v	1.9	
DCE-1004-SS-01-20220728-02	TO-15	methyl isobutyl ketone	108-10-1	0.5	U	0.19	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728-02	TO-15	Methyl methacrylate	80-62-6	0.5	U	0.16	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728-02	TO-15	Methyl tert-butyl ether	1634-04-4	0.2	U	0.08	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Methylene Chloride	75-09-2	0.84	B	0.17	0.5	ppb v/v	0.84	J+
DCE-1004-SS-01-20220728-02	TO-15	m-Xylene & p-Xylene	179601-23-1	0.2	J	0.17	0.5	ppb v/v	0.20	J
DCE-1004-SS-01-20220728-02	TO-15	Naphthalene	91-20-3	0.5	U	0.17	0.5	ppb v/v	0.50	U
DCE-1004-SS-01-20220728-02	TO-15	n-Butane	106-97-8	1.4		0.19	0.5	ppb v/v	1.4	J
DCE-1004-SS-01-20220728-02	TO-15	n-Butylbenzene	104-51-8	0.2	U	0.055	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	n-Heptane	142-82-5	0.14	J	0.059	0.2	ppb v/v	0.14	J
DCE-1004-SS-01-20220728-02	TO-15	n-Hexane	110-54-3	0.43	J	0.23	0.5	ppb v/v	0.43	J
DCE-1004-SS-01-20220728-02	TO-15	n-Propylbenzene	103-65-1	0.2	U	0.047	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	o-Xylene	95-47-6	0.095	J	0.094	0.2	ppb v/v	0.095	J
DCE-1004-SS-01-20220728-02	TO-15	sec-Butylbenzene	135-98-8	0.2	U	0.039	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Styrene	100-42-5	0.21		0.032	0.2	ppb v/v	0.21	
DCE-1004-SS-01-20220728-02	TO-15	tert-Butyl alcohol	75-65-0	1.6	J	1.2	5	ppb v/v	1.6	J

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DCE-1004-SS-01-20220728-02	TO-15	tert-Butylbenzene	98-06-6	0.2	U	0.037	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Tetrachloroethene	127-18-4	0.45		0.027	0.2	ppb v/v	0.45	
DCE-1004-SS-01-20220728-02	TO-15	Tetrahydrofuran	109-99-9	5	U	1.2	5	ppb v/v	5.0	U
DCE-1004-SS-01-20220728-02	TO-15	Toluene	108-88-3	0.17	J	0.093	0.2	ppb v/v	0.17	J
DCE-1004-SS-01-20220728-02	TO-15	trans-1,2-Dichloroethene	156-60-5	0.2	U	0.088	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	trans-1,3-Dichloropropene	10061-02-6	0.2	U	0.089	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Trichloroethene	79-01-6	0.2	U	0.024	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Trichlorofluoromethane	75-69-4	0.17	J	0.052	0.2	ppb v/v	0.17	J
DCE-1004-SS-01-20220728-02	TO-15	Vinyl chloride	75-01-4	0.2	U	0.028	0.2	ppb v/v	0.20	U
DCE-1004-SS-01-20220728-02	TO-15	Xylenes, Total	1330-20-7	0.3	J	0.26	0.7	ppb v/v	0.30	J
DCE-1004-SS-01-20220728-02	TO-15	1,1,1-Trichloroethane	71-55-6	1.1	U	0.21	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728-02	TO-15	1,1,2,2-Tetrachloroethane	79-34-5	1.4	U	0.3	1.4	ug/m3	1.4	U
DCE-1004-SS-01-20220728-02	TO-15	1,1,2-Trichloroethane	79-00-5	1.1	U	0.19	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728-02	TO-15	1,1-Dichloroethane	75-34-3	0.81	U	0.12	0.81	ug/m3	0.81	U
DCE-1004-SS-01-20220728-02	TO-15	1,1-Dichloroethene	75-35-4	0.79	U	0.11	0.79	ug/m3	0.79	U
DCE-1004-SS-01-20220728-02	TO-15	1,2,4-Trichlorobenzene	120-82-1	3.7	U	1.4	3.7	ug/m3	3.7	U
DCE-1004-SS-01-20220728-02	TO-15	1,2,4-Trimethylbenzene	95-63-6	0.29	J	0.23	0.98	ug/m3	0.29	J
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dibromoethane	106-93-4	1.5	U	0.35	1.5	ug/m3	1.5	U
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dichlorobenzene	95-50-1	1.2	U	0.42	1.2	ug/m3	1.2	U
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dichloroethane	107-06-2	1.1		0.61	0.81	ug/m3	1.1	
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dichloroethene, Total	540-59-0	1.6	U	0.71	1.6	ug/m3	1.6	U
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dichloropropane	78-87-5	0.92	U	0.4	0.92	ug/m3	0.92	U
DCE-1004-SS-01-20220728-02	TO-15	1,2-Dichlorotetrafluoroethane	76-14-2	1.4	U	0.38	1.4	ug/m3	1.4	U
DCE-1004-SS-01-20220728-02	TO-15	1,3,5-Trimethylbenzene	108-67-8	0.98	U	0.22	0.98	ug/m3	0.98	U
DCE-1004-SS-01-20220728-02	TO-15	1,3-Butadiene	106-99-0	0.44	U	0.084	0.44	ug/m3	0.44	U
DCE-1004-SS-01-20220728-02	TO-15	1,3-Dichlorobenzene	541-73-1	1.2	U	0.54	1.2	ug/m3	1.2	U
DCE-1004-SS-01-20220728-02	TO-15	1,4-Dichlorobenzene	106-46-7	1.2	U	0.57	1.2	ug/m3	1.2	U
DCE-1004-SS-01-20220728-02	TO-15	1,4-Dioxane	123-91-1	18	U	6.1	18	ug/m3	18	U
DCE-1004-SS-01-20220728-02	TO-15	2,2,4-Trimethylpentane	540-84-1	0.93	U	0.16	0.93	ug/m3	0.93	U
DCE-1004-SS-01-20220728-02	TO-15	2-Chlorotoluene	95-49-8	1	U	0.25	1	ug/m3	1.0	U
DCE-1004-SS-01-20220728-02	TO-15	3-Chloropropene	107-05-1	1.6	U	0.34	1.6	ug/m3	1.6	U
DCE-1004-SS-01-20220728-02	TO-15	4-Ethyltoluene	622-96-8	0.98	U	0.25	0.98	ug/m3	0.98	U
DCE-1004-SS-01-20220728-02	TO-15	4-Isopropyltoluene	99-87-6	0.3	J	0.21	1.1	ug/m3	0.30	J
DCE-1004-SS-01-20220728-02	TO-15	Acetone	67-64-1	70		4.8	12	ug/m3	70	
DCE-1004-SS-01-20220728-02	TO-15	Benzene	71-43-2	0.32	J	0.24	0.64	ug/m3	0.32	J
DCE-1004-SS-01-20220728-02	TO-15	Benzyl chloride	100-44-7	1	U	0.38	1	ug/m3	1.0	U
DCE-1004-SS-01-20220728-02	TO-15	Bromodichloromethane	75-27-4	1.3	U	0.27	1.3	ug/m3	1.3	U
DCE-1004-SS-01-20220728-02	TO-15	Bromoethene(Vinyl Bromide)	593-60-2	0.87	U	0.37	0.87	ug/m3	0.87	U

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Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-SS-01-20220728-02	TO-15	Bromoform	75-25-2	2.1	U	0.6	2.1	ug/m3	2.1	U
DCE-1004-SS-01-20220728-02	TO-15	Bromomethane	74-83-9	0.78	U	0.2	0.78	ug/m3	0.78	U
DCE-1004-SS-01-20220728-02	TO-15	Carbon disulfide	75-15-0	1.6	U	0.4	1.6	ug/m3	1.6	U
DCE-1004-SS-01-20220728-02	TO-15	Carbon tetrachloride	56-23-5	0.23	J	0.2	1.3	ug/m3	0.23	J
DCE-1004-SS-01-20220728-02	TO-15	Chlorobenzene	108-90-7	0.92	U	0.2	0.92	ug/m3	0.92	U
DCE-1004-SS-01-20220728-02	TO-15	Chloroethane	75-00-3	1.3	U	0.66	1.3	ug/m3	1.3	U
DCE-1004-SS-01-20220728-02	TO-15	Chloroform	67-66-3	0.88	J	0.22	0.98	ug/m3	0.88	J
DCE-1004-SS-01-20220728-02	TO-15	Chloromethane	74-87-3	0.45	J	0.25	1	ug/m3	0.45	J
DCE-1004-SS-01-20220728-02	TO-15	cis-1,2-Dichloroethene	156-59-2	0.79	U	0.13	0.79	ug/m3	0.79	U
DCE-1004-SS-01-20220728-02	TO-15	cis-1,3-Dichloropropene	10061-01-5	0.91	U	0.091	0.91	ug/m3	0.91	U
DCE-1004-SS-01-20220728-02	TO-15	Cumene	98-82-8	0.98	U	0.18	0.98	ug/m3	0.98	U
DCE-1004-SS-01-20220728-02	TO-15	Cyclohexane	110-82-7	4.8		0.12	0.69	ug/m3	4.8	
DCE-1004-SS-01-20220728-02	TO-15	Dibromochloromethane	124-48-1	1.7	U	0.26	1.7	ug/m3	1.7	U
DCE-1004-SS-01-20220728-02	TO-15	Dichlorodifluoromethane	75-71-8	2.1	J	0.54	2.5	ug/m3	2.1	J
DCE-1004-SS-01-20220728-02	TO-15	Ethylbenzene	100-41-4	0.87	U	0.43	0.87	ug/m3	0.87	U
DCE-1004-SS-01-20220728-02	TO-15	Freon 22	75-45-6	0.85	J	0.39	1.8	ug/m3	0.85	J
DCE-1004-SS-01-20220728-02	TO-15	Freon TF	76-13-1	1.5	U	0.42	1.5	ug/m3	1.5	U
DCE-1004-SS-01-20220728-02	TO-15	Hexachlorobutadiene	87-68-3	0.54	J	0.33	2.1	ug/m3	0.54	J
DCE-1004-SS-01-20220728-02	TO-15	Isopropyl alcohol	67-63-0	45		2.4	12	ug/m3	45	
DCE-1004-SS-01-20220728-02	TO-15	Methyl Butyl Ketone (2-Hexanone)	591-78-6	2	U	0.82	2	ug/m3	2.0	U
DCE-1004-SS-01-20220728-02	TO-15	Methyl Ethyl Ketone	78-93-3	5.7		0.5	1.5	ug/m3	5.7	
DCE-1004-SS-01-20220728-02	TO-15	methyl isobutyl ketone	108-10-1	2	U	0.78	2	ug/m3	2.0	U
DCE-1004-SS-01-20220728-02	TO-15	Methyl methacrylate	80-62-6	2	U	0.66	2	ug/m3	2.0	U
DCE-1004-SS-01-20220728-02	TO-15	Methyl tert-butyl ether	1634-04-4	0.72	U	0.29	0.72	ug/m3	0.72	U
DCE-1004-SS-01-20220728-02	TO-15	Methylene Chloride	75-09-2	2.9	B	0.59	1.7	ug/m3	2.9	J+
DCE-1004-SS-01-20220728-02	TO-15	m-Xylene & p-Xylene	179601-23-1	0.88	J	0.74	2.2	ug/m3	0.88	J
DCE-1004-SS-01-20220728-02	TO-15	Naphthalene	91-20-3	2.6	U	0.89	2.6	ug/m3	2.6	U
DCE-1004-SS-01-20220728-02	TO-15	n-Butane	106-97-8	3.3		0.45	1.2	ug/m3	3.3	J
DCE-1004-SS-01-20220728-02	TO-15	n-Butylbenzene	104-51-8	1.1	U	0.3	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728-02	TO-15	n-Heptane	142-82-5	0.56	J	0.24	0.82	ug/m3	0.56	J
DCE-1004-SS-01-20220728-02	TO-15	n-Hexane	110-54-3	1.5	J	0.81	1.8	ug/m3	1.5	J
DCE-1004-SS-01-20220728-02	TO-15	n-Propylbenzene	103-65-1	0.98	U	0.23	0.98	ug/m3	0.98	U
DCE-1004-SS-01-20220728-02	TO-15	o-Xylene	95-47-6	0.41	J	0.41	0.87	ug/m3	0.41	J
DCE-1004-SS-01-20220728-02	TO-15	sec-Butylbenzene	135-98-8	1.1	U	0.21	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728-02	TO-15	Styrene	100-42-5	0.9		0.14	0.85	ug/m3	0.90	
DCE-1004-SS-01-20220728-02	TO-15	tert-Butyl alcohol	75-65-0	4.8	J	3.6	15	ug/m3	4.8	J
DCE-1004-SS-01-20220728-02	TO-15	tert-Butylbenzene	98-06-6	1.1	U	0.2	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728-02	TO-15	Tetrachloroethene	127-18-4	3.1		0.18	1.4	ug/m3	3.1	



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DCE-1004-SS-01-20220728-02	TO-15	Tetrahydrofuran	109-99-9	15	U	3.5	15	ug/m3	15	U
DCE-1004-SS-01-20220728-02	TO-15	Toluene	108-88-3	0.64	J	0.35	0.75	ug/m3	0.64	J
DCE-1004-SS-01-20220728-02	TO-15	trans-1,2-Dichloroethene	156-60-5	0.79	U	0.35	0.79	ug/m3	0.79	U
DCE-1004-SS-01-20220728-02	TO-15	trans-1,3-Dichloropropene	10061-02-6	0.91	U	0.4	0.91	ug/m3	0.91	U
DCE-1004-SS-01-20220728-02	TO-15	Trichloroethene	79-01-6	1.1	U	0.13	1.1	ug/m3	1.1	U
DCE-1004-SS-01-20220728-02	TO-15	Trichlorofluoromethane	75-69-4	0.96	J	0.29	1.1	ug/m3	0.96	J
DCE-1004-SS-01-20220728-02	TO-15	Vinyl chloride	75-01-4	0.51	U	0.072	0.51	ug/m3	0.51	U
DCE-1004-SS-01-20220728-02	TO-15	Xylenes, Total	1330-20-7	1.3	J	1.1	3	ug/m3	1.3	J

**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

<b>Site Name</b>	Dry Cleaners Etc	<b>TO/TOLIN No.</b>	68HE0520F0032/0001CJ107
<b>Document Tracking No.</b>	1359b	<b>Technical Reviewer (signature and date)</b>	<i>Harry N. Ellis III</i> 22 August 2022
<b>Data Reviewer (signature and date)</b>	<i>Kelly D Thomas</i> August 19, 2022	<b>Laboratory</b>	Eurofins Environment Testing America/South Burlington, Vermont
<b>Laboratory Report No.</b>	500-220288-1		
<b>Analyses</b>	Volatile organic compounds (VOCs) by EPA method TO-15		
<b>Samples and Matrix</b>	One air sample		
<b>Collection Date(s)</b>	July 28 to 29, 2022		
<b>Field Duplicate Pairs</b>	None		
<b>Field QC Blanks</b>	None		

**INTRODUCTION**

This checklist summarizes the Stage 3 validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *National Functional Guidelines (NFG) for Organic Superfund Methods Data Review* (November 2020).

**OVERALL EVALUATION**

No rejection or qualification of results was required for this data package. The results may be used as reported by the laboratory.

**Data completeness:**

Within Criteria	Exceedance/Notes
Y	



**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

**Sample preservation, receipt, and holding times:**

Within Criteria	Exceedance/Notes
Y	

**Instrument Performance Checks:**

Within Criteria	Exceedance/Notes
Y	

**Initial Calibration:**

Within Criteria	Exceedance/Notes
Y	

**Continuing Calibration:**

Within Criteria	Exceedance/Notes
Y	

**Calibration Verification:**

Within Criteria	Exceedance/Notes
Y	

**Method blanks:**

Within Criteria	Exceedance/Notes
Y	



**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

**Field blanks:**

Within Criteria	Exceedance/Notes
NA	

**Interference Check Samples (ICS) (ICP metals only):**

Within Criteria	Exceedance/Notes
NA	

**Surrogates and labeled compounds:**

Within Criteria	Exceedance/Notes
NA	

**MS/MSDs:**

Within Criteria	Exceedance/Notes
NA	

**Post digestion spikes:**

Within Criteria	Exceedance/Notes
NA	

**Serial dilutions:**

Within Criteria	Exceedance/Notes
NA	



**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

**Laboratory duplicates:**

Within Criteria	Exceedance/Notes
N	The START Region 5 QAPP requires one laboratory duplicate per extraction batch of 20 samples. The laboratory did not provide laboratory duplicate results. While no qualifications were applied, the data user should note this QAPP requirement was not met for the project samples.

**Field duplicates:**

Within Criteria	Exceedance/Notes
NA	

**LCSs/LCSDs:**

Within Criteria	Exceedance/Notes
Y	

**Sample dilutions:**

Within Criteria	Exceedance/Notes
NA	

**Re-extraction and reanalysis:**

Within Criteria	Exceedance/Notes
NA	



**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

**Second column confirmation (GC and HPLC analyses only):**

Within Criteria	Exceedance/Notes
NA	

**Internal Standards:**

Within Criteria	Exceedance/Notes
Y	

**Target analyte identification:**

Within Criteria	Exceedance/Notes
Y	

**Analyte quantitation and MDLs/RLs:**

Within Criteria	Exceedance/Notes
Y	Detections between the method detection limit and the reporting limit were reported and qualified as estimated (flagged J) by the laboratory.

**Tentatively identified compounds:**

Within Criteria	Exceedance/Notes
NA	



**DATA VALIDATION CHECKLIST – STAGE 3  
EPA REGION 5 START CONTRACT**

**Other [None]:**

Within Criteria	Exceedance/Notes
NA	

**Overall Qualifications:**

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.



**Report: 500-220288-1**

Initial Calibration - 48529

Instrument: CHW.i

TO-15

Chloromethane

Page: 155-304

Level	3	4	5	6	7	8
Chloromethane Concentration (ppbv)*	0.500500	4.990000	10.000000	15.000000	20.000000	40.000000
Chloromethane Response	11903	103254	211345	333988	387154	886840
Bromochloromethane (IS) Concentration (ppbv)	10.0	10.0	10.0	10.0	10.0	10.0
Bromochloromethane (IS) Response	209293	213420	214167	220720	201366	224314
RF	1.136	0.970	0.987	1.009	0.961	0.988

Std Dev: 0.0647

Mean RF: 1.009

%RSD: 6.42



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Level 3 RF Check	Response	Conc.	Units	Page
Chloromethane	11903	0.500500	ppbv	187
Bromochloromethane (IS)	209293	10.0	ppbv	188

  

11903	x	10.0	=	1.136	
209293	x	0.500500			

IS = internal standard



DRY CLEANERS ETC SITE - RS AIR ANALYTICAL RESULTS SUMMARY  
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Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-AA-01-20220728	TO-15	1,1,1-Trichloroethane	71-55-6	0.2	U	0.039	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,1,2,2-Tetrachloroethane	79-34-5	0.2	U	0.043	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,1,2-Trichloroethane	79-00-5	0.2	U	0.034	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,1-Dichloroethane	75-34-3	0.2	U	0.029	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,1-Dichloroethene	75-35-4	0.2	U	0.029	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.19	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	1,2,4-Trimethylbenzene	95-63-6	0.2	U	0.047	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dibromoethane	106-93-4	0.2	U	0.046	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dichlorobenzene	95-50-1	0.2	U	0.07	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dichloroethane	107-06-2	0.2	U	0.15	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dichloroethene, Total	540-59-0	0.4	U	0.18	0.4	ppb v/v	0.40	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dichloropropane	78-87-5	0.2	U	0.087	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dichlorotetrafluoroethane	76-14-2	0.2	U	0.055	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,3,5-Trimethylbenzene	108-67-8	0.2	U	0.044	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,3-Butadiene	106-99-0	0.2	U	0.038	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,3-Dichlorobenzene	541-73-1	0.2	U	0.089	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,4-Dichlorobenzene	106-46-7	0.2	U	0.095	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	1,4-Dioxane	123-91-1	5	U	1.7	5	ppb v/v	5.0	U
DCE-1004-AA-01-20220728	TO-15	2,2,4-Trimethylpentane	540-84-1	0.2	U	0.035	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	2-Chlorotoluene	95-49-8	0.2	U	0.048	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	3-Chloropropene	107-05-1	0.5	U	0.11	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	4-Ethyltoluene	622-96-8	0.2	U	0.051	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	4-Isopropyltoluene	99-87-6	0.2	U	0.039	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Acetone	67-64-1	5	U	2	5	ppb v/v	5.0	U
DCE-1004-AA-01-20220728	TO-15	Benzene	71-43-2	0.2	U	0.074	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Benzyl chloride	100-44-7	0.2	U	0.074	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Bromodichloromethane	75-27-4	0.2	U	0.04	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Bromoethene(Vinyl Bromide)	593-60-2	0.2	U	0.085	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Bromoform	75-25-2	0.2	U	0.058	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Bromomethane	74-83-9	0.2	U	0.052	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Carbon disulfide	75-15-0	0.16	J	0.13	0.5	ppb v/v	0.16	J
DCE-1004-AA-01-20220728	TO-15	Carbon tetrachloride	56-23-5	0.059	J	0.032	0.2	ppb v/v	0.059	J
DCE-1004-AA-01-20220728	TO-15	Chlorobenzene	108-90-7	0.2	U	0.043	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Chloroethane	75-00-3	0.5	U	0.25	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	Chloroform	67-66-3	0.2	U	0.046	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Chloromethane	74-87-3	0.43	J	0.12	0.5	ppb v/v	0.43	J
DCE-1004-AA-01-20220728	TO-15	cis-1,2-Dichloroethene	156-59-2	0.2	U	0.033	0.2	ppb v/v	0.20	U

DRY CLEANERS ETC SITE - RS AIR ANALYTICAL RESULTS SUMMARY  
EUROFINS ENVIRONMENT TESTING AMERICA REPORT NO. 500-220288-1

Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-AA-01-20220728	TO-15	cis-1,3-Dichloropropene	10061-01-5	0.2	U	0.02	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Cumene	98-82-8	0.2	U	0.037	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Cyclohexane	110-82-7	0.2	U	0.035	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Dibromochloromethane	124-48-1	0.2	U	0.031	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Dichlorodifluoromethane	75-71-8	0.37	J	0.11	0.5	ppb v/v	0.37	J
DCE-1004-AA-01-20220728	TO-15	Ethylbenzene	100-41-4	0.2	U	0.1	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Freon 22	75-45-6	0.24	J	0.11	0.5	ppb v/v	0.24	J
DCE-1004-AA-01-20220728	TO-15	Freon TF	76-13-1	0.06	J	0.055	0.2	ppb v/v	0.060	J
DCE-1004-AA-01-20220728	TO-15	Hexachlorobutadiene	87-68-3	0.2	U	0.031	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Isopropyl alcohol	67-63-0	5	U	0.98	5	ppb v/v	5.0	U
DCE-1004-AA-01-20220728	TO-15	Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.5	U	0.2	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	Methyl Ethyl Ketone	78-93-3	0.5	U	0.17	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	methyl isobutyl ketone	108-10-1	0.5	U	0.19	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	Methyl methacrylate	80-62-6	0.5	U	0.16	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	Methyl tert-butyl ether	1634-04-4	0.2	U	0.08	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Methylene Chloride	75-09-2	0.5	U	0.17	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	m-Xylene & p-Xylene	179601-23-1	0.5	U	0.17	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	Naphthalene	91-20-3	0.5	U	0.17	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	n-Butane	106-97-8	0.25	J	0.19	0.5	ppb v/v	0.25	J
DCE-1004-AA-01-20220728	TO-15	n-Butylbenzene	104-51-8	0.2	U	0.055	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	n-Heptane	142-82-5	0.2	U	0.059	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	n-Hexane	110-54-3	0.5	U	0.23	0.5	ppb v/v	0.50	U
DCE-1004-AA-01-20220728	TO-15	n-Propylbenzene	103-65-1	0.2	U	0.047	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	o-Xylene	95-47-6	0.2	U	0.094	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	sec-Butylbenzene	135-98-8	0.2	U	0.039	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Styrene	100-42-5	0.2	U	0.032	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	tert-Butyl alcohol	75-65-0	5	U	1.2	5	ppb v/v	5.0	U
DCE-1004-AA-01-20220728	TO-15	tert-Butylbenzene	98-06-6	0.2	U	0.037	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Tetrachloroethene	127-18-4	0.2	U	0.027	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Tetrahydrofuran	109-99-9	5	U	1.2	5	ppb v/v	5.0	U
DCE-1004-AA-01-20220728	TO-15	Toluene	108-88-3	0.2	U	0.093	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	trans-1,2-Dichloroethene	156-60-5	0.2	U	0.088	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	trans-1,3-Dichloropropene	10061-02-6	0.2	U	0.089	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Trichloroethene	79-01-6	0.2	U	0.024	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Trichlorofluoromethane	75-69-4	0.18	J	0.052	0.2	ppb v/v	0.18	J
DCE-1004-AA-01-20220728	TO-15	Vinyl chloride	75-01-4	0.2	U	0.028	0.2	ppb v/v	0.20	U
DCE-1004-AA-01-20220728	TO-15	Xylenes, Total	1330-20-7	0.7	U	0.26	0.7	ppb v/v	0.70	U

DRY CLEANERS ETC SITE - RS AIR ANALYTICAL RESULTS SUMMARY  
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Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-AA-01-20220728	TO-15	1,1,1-Trichloroethane	71-55-6	1.1 U		0.21	1.1	ug/m3	1.1	U
DCE-1004-AA-01-20220728	TO-15	1,1,2,2-Tetrachloroethane	79-34-5	1.4 U		0.3	1.4	ug/m3	1.4	U
DCE-1004-AA-01-20220728	TO-15	1,1,2-Trichloroethane	79-00-5	1.1 U		0.19	1.1	ug/m3	1.1	U
DCE-1004-AA-01-20220728	TO-15	1,1-Dichloroethane	75-34-3	0.81 U		0.12	0.81	ug/m3	0.81	U
DCE-1004-AA-01-20220728	TO-15	1,1-Dichloroethene	75-35-4	0.79 U		0.11	0.79	ug/m3	0.79	U
DCE-1004-AA-01-20220728	TO-15	1,2,4-Trichlorobenzene	120-82-1	3.7 U		1.4	3.7	ug/m3	3.7	U
DCE-1004-AA-01-20220728	TO-15	1,2,4-Trimethylbenzene	95-63-6	0.98 U		0.23	0.98	ug/m3	0.98	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dibromoethane	106-93-4	1.5 U		0.35	1.5	ug/m3	1.5	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dichlorobenzene	95-50-1	1.2 U		0.42	1.2	ug/m3	1.2	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dichloroethane	107-06-2	0.81 U		0.61	0.81	ug/m3	0.81	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dichloroethene, Total	540-59-0	1.6 U		0.71	1.6	ug/m3	1.6	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dichloropropane	78-87-5	0.92 U		0.4	0.92	ug/m3	0.92	U
DCE-1004-AA-01-20220728	TO-15	1,2-Dichlorotetrafluoroethane	76-14-2	1.4 U		0.38	1.4	ug/m3	1.4	U
DCE-1004-AA-01-20220728	TO-15	1,3,5-Trimethylbenzene	108-67-8	0.98 U		0.22	0.98	ug/m3	0.98	U
DCE-1004-AA-01-20220728	TO-15	1,3-Butadiene	106-99-0	0.44 U		0.084	0.44	ug/m3	0.44	U
DCE-1004-AA-01-20220728	TO-15	1,3-Dichlorobenzene	541-73-1	1.2 U		0.54	1.2	ug/m3	1.2	U
DCE-1004-AA-01-20220728	TO-15	1,4-Dichlorobenzene	106-46-7	1.2 U		0.57	1.2	ug/m3	1.2	U
DCE-1004-AA-01-20220728	TO-15	1,4-Dioxane	123-91-1	18 U		6.1	18	ug/m3	18	U
DCE-1004-AA-01-20220728	TO-15	2,2,4-Trimethylpentane	540-84-1	0.93 U		0.16	0.93	ug/m3	0.93	U
DCE-1004-AA-01-20220728	TO-15	2-Chlorotoluene	95-49-8	1 U		0.25	1	ug/m3	1.0	U
DCE-1004-AA-01-20220728	TO-15	3-Chloropropene	107-05-1	1.6 U		0.34	1.6	ug/m3	1.6	U
DCE-1004-AA-01-20220728	TO-15	4-Ethyltoluene	622-96-8	0.98 U		0.25	0.98	ug/m3	0.98	U
DCE-1004-AA-01-20220728	TO-15	4-Isopropyltoluene	99-87-6	1.1 U		0.21	1.1	ug/m3	1.1	U
DCE-1004-AA-01-20220728	TO-15	Acetone	67-64-1	12 U		4.8	12	ug/m3	12	U
DCE-1004-AA-01-20220728	TO-15	Benzene	71-43-2	0.64 U		0.24	0.64	ug/m3	0.64	U
DCE-1004-AA-01-20220728	TO-15	Benzyl chloride	100-44-7	1 U		0.38	1	ug/m3	1.0	U
DCE-1004-AA-01-20220728	TO-15	Bromodichloromethane	75-27-4	1.3 U		0.27	1.3	ug/m3	1.3	U
DCE-1004-AA-01-20220728	TO-15	Bromoethene(Vinyl Bromide)	593-60-2	0.87 U		0.37	0.87	ug/m3	0.87	U
DCE-1004-AA-01-20220728	TO-15	Bromoform	75-25-2	2.1 U		0.6	2.1	ug/m3	2.1	U
DCE-1004-AA-01-20220728	TO-15	Bromomethane	74-83-9	0.78 U		0.2	0.78	ug/m3	0.78	U
DCE-1004-AA-01-20220728	TO-15	Carbon disulfide	75-15-0	0.49 J		0.4	1.6	ug/m3	0.49	J
DCE-1004-AA-01-20220728	TO-15	Carbon tetrachloride	56-23-5	0.37 J		0.2	1.3	ug/m3	0.37	J
DCE-1004-AA-01-20220728	TO-15	Chlorobenzene	108-90-7	0.92 U		0.2	0.92	ug/m3	0.92	U
DCE-1004-AA-01-20220728	TO-15	Chloroethane	75-00-3	1.3 U		0.66	1.3	ug/m3	1.3	U
DCE-1004-AA-01-20220728	TO-15	Chloroform	67-66-3	0.98 U		0.22	0.98	ug/m3	0.98	U
DCE-1004-AA-01-20220728	TO-15	Chloromethane	74-87-3	0.88 J		0.25	1	ug/m3	0.88	J
DCE-1004-AA-01-20220728	TO-15	cis-1,2-Dichloroethene	156-59-2	0.79 U		0.13	0.79	ug/m3	0.79	U

DRY CLEANERS ETC SITE - RS AIR ANALYTICAL RESULTS SUMMARY  
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Samp_No	Method	Analyte	CAS_NO	Lab_Result	Lab_Qual	MDL	RL	Units	Val_Result	Val_Qual
DCE-1004-AA-01-20220728	TO-15	cis-1,3-Dichloropropene	10061-01-5	0.91 U		0.091	0.91	ug/m3	0.91 U	
DCE-1004-AA-01-20220728	TO-15	Cumene	98-82-8	0.98 U		0.18	0.98	ug/m3	0.98 U	
DCE-1004-AA-01-20220728	TO-15	Cyclohexane	110-82-7	0.69 U		0.12	0.69	ug/m3	0.69 U	
DCE-1004-AA-01-20220728	TO-15	Dibromochloromethane	124-48-1	1.7 U		0.26	1.7	ug/m3	1.7 U	
DCE-1004-AA-01-20220728	TO-15	Dichlorodifluoromethane	75-71-8	1.8 J		0.54	2.5	ug/m3	1.8 J	
DCE-1004-AA-01-20220728	TO-15	Ethylbenzene	100-41-4	0.87 U		0.43	0.87	ug/m3	0.87 U	
DCE-1004-AA-01-20220728	TO-15	Freon 22	75-45-6	0.84 J		0.39	1.8	ug/m3	0.84 J	
DCE-1004-AA-01-20220728	TO-15	Freon TF	76-13-1	0.46 J		0.42	1.5	ug/m3	0.46 J	
DCE-1004-AA-01-20220728	TO-15	Hexachlorobutadiene	87-68-3	2.1 U		0.33	2.1	ug/m3	2.1 U	
DCE-1004-AA-01-20220728	TO-15	Isopropyl alcohol	67-63-0	12 U		2.4	12	ug/m3	12 U	
DCE-1004-AA-01-20220728	TO-15	Methyl Butyl Ketone (2-Hexanone)	591-78-6	2 U		0.82	2	ug/m3	2.0 U	
DCE-1004-AA-01-20220728	TO-15	Methyl Ethyl Ketone	78-93-3	1.5 U		0.5	1.5	ug/m3	1.5 U	
DCE-1004-AA-01-20220728	TO-15	methyl isobutyl ketone	108-10-1	2 U		0.78	2	ug/m3	2.0 U	
DCE-1004-AA-01-20220728	TO-15	Methyl methacrylate	80-62-6	2 U		0.66	2	ug/m3	2.0 U	
DCE-1004-AA-01-20220728	TO-15	Methyl tert-butyl ether	1634-04-4	0.72 U		0.29	0.72	ug/m3	0.72 U	
DCE-1004-AA-01-20220728	TO-15	Methylene Chloride	75-09-2	1.7 U		0.59	1.7	ug/m3	1.7 U	
DCE-1004-AA-01-20220728	TO-15	m-Xylene & p-Xylene	179601-23-1	2.2 U		0.74	2.2	ug/m3	2.2 U	
DCE-1004-AA-01-20220728	TO-15	Naphthalene	91-20-3	2.6 U		0.89	2.6	ug/m3	2.6 U	
DCE-1004-AA-01-20220728	TO-15	n-Butane	106-97-8	0.6 J		0.45	1.2	ug/m3	0.60 J	
DCE-1004-AA-01-20220728	TO-15	n-Butylbenzene	104-51-8	1.1 U		0.3	1.1	ug/m3	1.1 U	
DCE-1004-AA-01-20220728	TO-15	n-Heptane	142-82-5	0.82 U		0.24	0.82	ug/m3	0.82 U	
DCE-1004-AA-01-20220728	TO-15	n-Hexane	110-54-3	1.8 U		0.81	1.8	ug/m3	1.8 U	
DCE-1004-AA-01-20220728	TO-15	n-Propylbenzene	103-65-1	0.98 U		0.23	0.98	ug/m3	0.98 U	
DCE-1004-AA-01-20220728	TO-15	o-Xylene	95-47-6	0.87 U		0.41	0.87	ug/m3	0.87 U	
DCE-1004-AA-01-20220728	TO-15	sec-Butylbenzene	135-98-8	1.1 U		0.21	1.1	ug/m3	1.1 U	
DCE-1004-AA-01-20220728	TO-15	Styrene	100-42-5	0.85 U		0.14	0.85	ug/m3	0.85 U	
DCE-1004-AA-01-20220728	TO-15	tert-Butyl alcohol	75-65-0	15 U		3.6	15	ug/m3	15 U	
DCE-1004-AA-01-20220728	TO-15	tert-Butylbenzene	98-06-6	1.1 U		0.2	1.1	ug/m3	1.1 U	
DCE-1004-AA-01-20220728	TO-15	Tetrachloroethene	127-18-4	1.4 U		0.18	1.4	ug/m3	1.4 U	
DCE-1004-AA-01-20220728	TO-15	Tetrahydrofuran	109-99-9	15 U		3.5	15	ug/m3	15 U	
DCE-1004-AA-01-20220728	TO-15	Toluene	108-88-3	0.75 U		0.35	0.75	ug/m3	0.75 U	
DCE-1004-AA-01-20220728	TO-15	trans-1,2-Dichloroethene	156-60-5	0.79 U		0.35	0.79	ug/m3	0.79 U	
DCE-1004-AA-01-20220728	TO-15	trans-1,3-Dichloropropene	10061-02-6	0.91 U		0.4	0.91	ug/m3	0.91 U	
DCE-1004-AA-01-20220728	TO-15	Trichloroethene	79-01-6	1.1 U		0.13	1.1	ug/m3	1.1 U	
DCE-1004-AA-01-20220728	TO-15	Trichlorofluoromethane	75-69-4	1 J		0.29	1.1	ug/m3	1.0 J	
DCE-1004-AA-01-20220728	TO-15	Vinyl chloride	75-01-4	0.51 U		0.072	0.51	ug/m3	0.51 U	
DCE-1004-AA-01-20220728	TO-15	Xylenes, Total	1330-20-7	3 U		1.1	3	ug/m3	3.0 U	