



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350



Final Analytical Report

Site Name.....	IVY CITY TO15
Sample Collection Date(s).....	7/11/2023 - 7/15/2023
Contact.....	Howard Schmidt
Report Date.....	08/23/2023 17:59
Project #.....	NSF 791
Work Order.....	2307006

Analyses included in this report:

VOCs by EPA TO-15, TO-15 list

Approved for Release

Region 3 Laboratory Representative



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Site Name: IVY CITY TO15

Project #: NSF 791

Report Narrative

VOC Air Analysis Note:

This report provides reporting units in ug/m3 and ppbv. Slight rounding errors will occur in the Electronic Data Deliverable (EDD).

Initial Calibration: Naphthalene and Hexachlorobutadiene are outside of the acceptance criteria. All samples are qualified as "J"/"UJ" for these analytes.

Second Source Calibration Verification: Ethanol was recovered below the acceptance limit. All samples are qualified as "L" for Ethanol.

Sample 2307006-10 canister pressure was +1 psig upon arrival to the lab and was qualified as "J/UJ".

2307006 Final Report NSF 791 08 23 23 1759



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Fort Meade, Maryland 20755-5350



Site Name: IVY CITY TO15

Project #: NSF 791

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
N-B-0-07122023-13	2307006-01	Air	07/12/2023 17:02	07/13/2023 09:35
N-R-1-07122023-7	2307006-02	Air	07/12/2023 16:14	07/13/2023 09:35
N-R-2-07122023-8	2307006-03	Air	07/12/2023 16:17	07/13/2023 09:35
N-R-3-07122023-9	2307006-04	Air	07/12/2023 16:25	07/13/2023 09:35
N-R-4-07122023-10	2307006-05	Air	07/12/2023 16:23	07/13/2023 09:35
N-R-5-07122023-11	2307006-06	Air	07/12/2023 16:21	07/13/2023 09:35
N-R-5-07122023-12A	2307006-07	Air	07/12/2023 16:21	07/13/2023 09:35
P-B-0-07122023-6	2307006-08	Air	07/11/2023 16:40	07/13/2023 09:35
P-R-1-07112023-1	2307006-09	Air	07/11/2023 15:45	07/13/2023 09:35
P-R-2-07112023-2	2307006-10	Air	07/11/2023 15:50	07/13/2023 09:35
P-R-3-07112023-3	2307006-11	Air	07/11/2023 16:00	07/13/2023 09:35
P-R-4-07112023-4	2307006-12	Air	07/11/2023 16:03	07/13/2023 09:35
P-R-5-07112023-5	2307006-13	Air	07/11/2023 16:05	07/13/2023 09:35
W-B-0-07152023-14	2307006-14	Air	07/15/2023 17:03	07/19/2023 09:00
W-R-1-07152023-15	2307006-15	Air	07/15/2023 17:35	07/19/2023 09:00
W-R-2-07152023-16	2307006-16	Air	07/15/2023 17:38	07/19/2023 09:00
W-R-3-07152023-17	2307006-17	Air	07/15/2023 17:47	07/19/2023 09:00



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Site Name: IVY CITY TO15

Project #: NSF 791

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-R-4-07152023-18	2307006-18	Air	07/15/2023 17:44	07/19/2023 09:00
W-R-5-07152023-19	2307006-19	Air	07/15/2023 17:41	07/19/2023 09:00

Site #: 0007

Contact Phone: 2158142133 /

Lab: EPA R3 Lab 7

Lab/Phone: 410-305-2676 /

Items/Reason /	Relinquished by (Signature and Organization) /	Date/Time /	Received by (Signature and Organization) /	Date/Time /	Sample Condition Upon Receipt /
44-15 A M/42	<i>[Signature]</i> R3APD	7-1-2023 0737	<i>[Signature]</i>	7-13-23 0737	OK
			<i>[Signature]</i>	7/13/23 0935	

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 000

Contact Name: Howard Schmidt

Contact Phone: 215-814-2133

No: 07152023

Lab: EPA R3 Lab

Lab Contact: Adam Molnar

Lab Phone: 410-305-2676

[illegible]

Special Instructions: shipped via UPS	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Samples/ Analysis	JRO CA EPA - R3	7/17/23 / 1000		7/19/23 0900	OK



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-B-0-07122023-13**Lab ID:** 2307006-01**Sample Matrix:** Air**Date Collected:** 07/12/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.0		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Chloromethane	0.6		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Ethanol	5.5	L	0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-B-0-07122023-13**Lab ID:** 2307006-01**Sample Matrix:** Air**Date Collected:** 07/12/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Propylene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Toluene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	10.2		102 %	80-120	07/14/2023 14:00	07/14/2023 17:42	TO-15/R3QA230



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-1-07122023-7**Lab ID:** 2307006-02**Sample Matrix:** Air**Date Collected:** 07/12/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	5.8		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Chloromethane	0.8		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Ethanol	104	L	4.0	8	07/14/2023 14:00	07/17/2023 13:06	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-1-07122023-7**Lab ID:** 2307006-02**Sample Matrix:** Air**Date Collected:** 07/12/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Isopropyl alcohol	4.5		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Naphthalene	0.6	J	0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Propylene	1.2		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Toluene	1.8		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.6		106 % 80-120	07/14/2023 14:00	07/14/2023 23:38	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-2-07122023-8**Lab ID:** 2307006-03**Sample Matrix:** Air**Date Collected:** 07/12/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	6.8		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Chloromethane	0.6		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Ethanol	23.4	L	1.0	2	07/14/2023 14:00	07/17/2023 13:59	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-2-07122023-8**Lab ID:** 2307006-03**Sample Matrix:** Air**Date Collected:** 07/12/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	8.6		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Naphthalene	0.6	J	0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Propylene	0.8		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Toluene	0.5		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	10.4		104 %	80-120	07/14/2023 14:00	07/15/2023 00:36	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-3-07122023-9**Lab ID:** 2307006-04**Sample Matrix:** Air**Date Collected:** 07/12/2023

**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.2		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Chloromethane	0.6		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Ethanol	26.7	L	1.0	2	07/14/2023 14:00	07/17/2023 14:50	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-3-07122023-9**Lab ID:** 2307006-04**Sample Matrix:** Air**Date Collected:** 07/12/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Isopropyl alcohol	1.1		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Naphthalene	0.5	J	0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Propylene	0.8		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Toluene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.2		102 % 80-120	07/14/2023 14:00	07/15/2023 01:31	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-4-07122023-10**Lab ID:** 2307006-05**Sample Matrix:** Air**Date Collected:** 07/12/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.3		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Chloromethane	0.6		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Ethanol	24.6	L	1.0	2	07/14/2023 14:00	07/17/2023 12:16	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-4-07122023-10**Lab ID:** 2307006-05**Sample Matrix:** Air**Date Collected:** 07/12/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	1.6		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Propylene	0.7		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Toluene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	10.0		100 %	80-120	07/14/2023 14:00	07/14/2023 21:19	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-5-07122023-11**Lab ID:** 2307006-06**Sample Matrix:** Air**Date Collected:** 07/12/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.9		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Chloromethane	0.6		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Ethanol	17.4	L	0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-5-07122023-11**Lab ID:** 2307006-06**Sample Matrix:** Air**Date Collected:** 07/12/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Isopropyl alcohol	0.9		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Propylene	0.6		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Toluene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.4		104 % 80-120	07/14/2023 14:00	07/14/2023 22:16	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-5-07122023-12A**Lab ID:** 2307006-07**Sample Matrix:** Air**Date Collected:** 07/12/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.9		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Chloromethane	0.6		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Ethanol	13.7	L	0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-R-5-07122023-12A**Lab ID:** 2307006-07**Sample Matrix:** Air**Date Collected:** 07/12/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	1.0		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Propylene	0.6		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Toluene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	10.2		102 %	80-120	07/14/2023 14:00	07/14/2023 20:25	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-B-0-07122023-6**Lab ID:** 2307006-08**Sample Matrix:** Air**Date Collected:** 07/11/2023

**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.8		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Chloromethane	0.6		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Ethanol	3.9	L	0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-B-0-07122023-6**Lab ID:** 2307006-08**Sample Matrix:** Air**Date Collected:** 07/11/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	0.8		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Propylene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Toluene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	10.2		102 %	80-120	07/14/2023 14:00	07/14/2023 15:48	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-R-1-07112023-1**Lab ID:** 2307006-09**Sample Matrix:** Air**Date Collected:** 07/11/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	5.3		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Chloromethane	0.6		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Ethanol	12.9	L	0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-R-1-07112023-1**Lab ID:** 2307006-09**Sample Matrix:** Air**Date Collected:** 07/11/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Isopropyl alcohol	5.0		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Propylene	0.6		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Toluene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
<i>Surrogate: 4-Bromofluorobenzene</i>	10.3		103 % 80-120	07/14/2023 14:00	07/14/2023 16:46	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-R-2-07112023-2**Lab ID:** 2307006-10**Sample Matrix:** Air**Date Collected:** 07/11/2023

**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.2	J	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Acrolein	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Benzene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Benzyl chloride	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Bromodichloromethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Bromoform	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Bromomethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,3-Butadiene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
2-Butanone	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Carbon disulfide	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Carbon Tetrachloride	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Chlorobenzene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Chloroethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Chloroform	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Chloromethane	0.6	J	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Cyclohexane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Dibromochloromethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,2-Dichlorobenzene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,3-Dichlorobenzene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,4-Dichlorobenzene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Dichlorodifluoromethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,1-Dichloroethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,2-Dichloroethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,1-Dichloroethene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
cis-1,2-Dichloroethene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
trans-1,2-Dichloroethene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,2-Dichloropropane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
cis-1,3-Dichloropropene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
trans-1,3-Dichloropropene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Dichlorotetrafluoroethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,4-Dioxane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Ethanol	17.6	J	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Ethyl Acetate	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Ethylbenzene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
4-Ethyltoluene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Freon 113	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Heptane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Hexane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
2-Hexanone	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-R-2-07112023-2**Lab ID:** 2307006-10**Sample Matrix:** Air**Date Collected:** 07/11/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Isopropyl alcohol	1.2	J	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Methyl Methacrylate	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Methyl tert-Butyl Ether	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
4-Methyl-2-pentanone	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Methylene Chloride	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Propylene	0.7	J	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Styrene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Tetrachloroethene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Tetrahydrofuran	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Toluene	0.5	J	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,1,1-Trichloroethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,1,2-Trichloroethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Trichloroethene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Trichlorofluoromethane	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Vinyl acetate	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
Vinyl chloride	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
m,p-Xylene	U	UJ	1.0	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230
o-Xylene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.2		102 % 80-120	07/14/2023 14:00	07/14/2023 18:35	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-R-3-07112023-3**Lab ID:** 2307006-11**Sample Matrix:** Air**Date Collected:** 07/11/2023

**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.1		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Chloromethane	0.6		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Ethanol	7.3	L	0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-R-3-07112023-3**Lab ID:** 2307006-11**Sample Matrix:** Air**Date Collected:** 07/11/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	1.3		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Propylene	0.7		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Toluene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	10.1		101 %	80-120	07/14/2023 14:00	07/15/2023 03:20	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-R-4-07112023-4**Lab ID:** 2307006-12**Sample Matrix:** Air**Date Collected:** 07/11/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.0		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Chloromethane	0.7		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Ethanol	14.8	L	0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-R-4-07112023-4**Lab ID:** 2307006-12**Sample Matrix:** Air**Date Collected:** 07/11/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	1.6		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Propylene	0.5		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Toluene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	10.3		103 %	80-120	07/14/2023 14:00	07/14/2023 19:31	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-R-5-07112023-5**Lab ID:** 2307006-13**Sample Matrix:** Air**Date Collected:** 07/11/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.7		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Acrolein	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Benzene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Bromoform	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Bromomethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
2-Butanone	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Chloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Chloroform	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Chloromethane	0.6		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Ethanol	9.0	L	0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Freon 113	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Heptane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Hexane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** P-R-5-07112023-5**Lab ID:** 2307006-13**Sample Matrix:** Air**Date Collected:** 07/11/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Isopropyl alcohol	1.3		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Propylene	0.5		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Styrene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Toluene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230
o-Xylene	U		0.5	1	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.4		104 % 80-120	07/14/2023 14:00	07/15/2023 02:27	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-B-0-07152023-14**Lab ID:** 2307006-14**Sample Matrix:** Air**Date Collected:** 07/15/2023

**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.5		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Acrolein	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Benzene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Bromoform	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Bromomethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
2-Butanone	0.5		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Chloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Chloroform	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Chloromethane	0.7		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Ethanol	2.0	L	0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Freon 113	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Heptane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Hexane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-B-0-07152023-14**Lab ID:** 2307006-14**Sample Matrix:** Air**Date Collected:** 07/15/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Propylene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Styrene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Toluene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230
o-Xylene	U		0.5	1	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	9.90		99 %	80-120	07/19/2023 14:53	07/19/2023 17:23	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-R-1-07152023-15**Lab ID:** 2307006-15**Sample Matrix:** Air**Date Collected:** 07/15/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.9		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Acrolein	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Benzene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Bromoform	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Bromomethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
2-Butanone	0.5		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Chloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Chloroform	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Chloromethane	0.7		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Ethanol	4.4	L	0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Freon 113	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Heptane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Hexane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-R-1-07152023-15**Lab ID:** 2307006-15**Sample Matrix:** Air**Date Collected:** 07/15/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Isopropyl alcohol	0.6		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Propylene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Styrene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Toluene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230
o-Xylene	U		0.5	1	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
<i>Surrogate: 4-Bromofluorobenzene</i>	10.1		101 % 80-120	07/19/2023 14:53	07/19/2023 18:20	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-R-2-07152023-16**Lab ID:** 2307006-16**Sample Matrix:** Air**Date Collected:** 07/15/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	5.7		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Acrolein	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Benzene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Bromoform	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Bromomethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
2-Butanone	0.5		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Chloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Chloroform	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Chloromethane	0.8		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Ethanol	21.2	L	1.0	2	07/19/2023 14:53	07/20/2023 12:33	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Freon 113	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Heptane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Hexane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-R-2-07152023-16**Lab ID:** 2307006-16**Sample Matrix:** Air**Date Collected:** 07/15/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	1.9		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Propylene	1.0		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Styrene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Toluene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230
o-Xylene	U		0.5	1	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	9.97		100 %	80-120	07/19/2023 14:53	07/19/2023 19:14	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-R-3-07152023-17**Lab ID:** 2307006-17**Sample Matrix:** Air**Date Collected:** 07/15/2023

**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.9		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Acrolein	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Benzene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Bromoform	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Bromomethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
2-Butanone	0.6		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Chloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Chloroform	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Chloromethane	0.7		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Ethanol	4.8	L	0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Freon 113	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Heptane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Hexane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-R-3-07152023-17**Lab ID:** 2307006-17**Sample Matrix:** Air**Date Collected:** 07/15/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	0.5		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Propylene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Styrene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Toluene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230
o-Xylene	U		0.5	1	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	9.95		100 %	80-120	07/19/2023 14:53	07/19/2023 20:07	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-R-4-07152023-18**Lab ID:** 2307006-18**Sample Matrix:** Air**Date Collected:** 07/15/2023

**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	5.0		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Acrolein	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Benzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Bromoform	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Bromomethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
2-Butanone	0.6		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Chloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Chloroform	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Chloromethane	0.8		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Ethanol	20.2	L	1.0	2	07/19/2023 14:53	07/20/2023 13:24	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Freon 113	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Heptane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Hexane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-R-4-07152023-18**Lab ID:** 2307006-18**Sample Matrix:** Air**Date Collected:** 07/15/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	0.7		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Propylene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Styrene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Toluene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230
o-Xylene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	9.97		100 %	80-120	07/19/2023 14:53	07/19/2023 21:01	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-R-5-07152023-19**Lab ID:** 2307006-19**Sample Matrix:** Air**Date Collected:** 07/15/2023**Volatile Organic Compounds
Targets**

Analyte	Result ppbv	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.4		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Acrolein	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Benzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Benzyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Bromodichloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Bromoform	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Bromomethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,3-Butadiene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
2-Butanone	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Carbon disulfide	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Carbon Tetrachloride	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Chlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Chloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Chloroform	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Chloromethane	0.7		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Cyclohexane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Dibromochloromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,2-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,3-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,4-Dichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Dichlorodifluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,1-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,2-Dichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,1-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
cis-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
trans-1,2-Dichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,2-Dichloropropane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
cis-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
trans-1,3-Dichloropropene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Dichlorotetrafluoroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,4-Dioxane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Ethanol	4.9	L	0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Ethyl Acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Ethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
4-Ethyltoluene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Freon 113	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Heptane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Hexachlorobutadiene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Hexane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
2-Hexanone	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-R-5-07152023-19**Lab ID:** 2307006-19**Sample Matrix:** Air**Date Collected:** 07/15/2023

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result	Flags	Quantitation		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	Limit	Dilution			
Isopropyl alcohol	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Methyl Methacrylate	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Methyl tert-Butyl Ether	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
4-Methyl-2-pentanone	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Methylene Chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Naphthalene	U	UJ	0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Propylene	0.5		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Styrene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Tetrachloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Tetrahydrofuran	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Toluene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,2,4-Trichlorobenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,1,1-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,1,2-Trichloroethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Trichloroethene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Trichlorofluoromethane	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,2,4-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
1,3,5-Trimethylbenzene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Vinyl acetate	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
Vinyl chloride	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
m,p-Xylene	U		1.0	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230
o-Xylene	U		0.5	1	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230

Surrogates

Analyte	Result	Flags	%Recovery		Prepared	Analyzed	Method/SOP#
	ppbv	Qualifiers	%Recovery	Limits			
Surrogate: 4-Bromofluorobenzene	10.0		100 %	80-120	07/19/2023 14:53	07/19/2023 21:57	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name: IVY CITY TO15****Project #: NSF 791****Tentatively Identified Compound (TIC) Report****Volatile Organic Compounds**

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID: 2307006-01						
Station ID: N-B-0-07122023-13						
Sample Matrix: Air						
Collected: 07/12/2023						
598-25-4	1,2-Butadiene, 3-methyl-	2.8	T	7.75	07/14/2023 17:42	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID: 2307006-02						
Station ID: N-R-1-07122023-7						
Sample Matrix: Air						
Collected: 07/12/2023						
75-37-6	Ethane, 1,1-difluoro-	2.5	T	4.25	07/14/2023 23:38	TO-15/R3QA230
109-66-0	Pentane	2.8	T	7.34	07/14/2023 23:38	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID: 2307006-03						
Station ID: N-R-2-07122023-8						
Sample Matrix: Air						
Collected: 07/12/2023						
75-37-6	Ethane, 1,1-difluoro-	1.0	T	4.26	07/15/2023 00:36	TO-15/R3QA230



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Site Name: IVY CITY TO15

Project #: NSF 791

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-04					
Station ID:	N-R-3-07122023-9					
Sample Matrix:	Air					
Collected:	07/12/2023					
NA	Non Reported	0.0			07/15/2023 01:31	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-05					
Station ID:	N-R-4-07122023-10					
Sample Matrix:	Air					
Collected:	07/12/2023					
75-37-6	Ethane, 1,1-difluoro-	1.2	T	4.25	07/14/2023 21:19	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-06					
Station ID:	N-R-5-07122023-11					
Sample Matrix:	Air					
Collected:	07/12/2023					
NA	Non Reported	0.0			07/14/2023 22:16	TO-15/R3QA230



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Site Name: IVY CITY TO15

Project #: NSF 791

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-07					
Station ID:	N-R-5-07122023-12A					
Sample Matrix:	Air					
Collected:	07/12/2023					
NA	Non Reported	0.0			07/14/2023 20:25	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-08					
Station ID:	P-B-0-07122023-6					
Sample Matrix:	Air					
Collected:	07/11/2023					
627-21-4	2-Pentyne	2.0	T	7.75	07/14/2023 15:48	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-09					
Station ID:	P-R-1-07112023-1					
Sample Matrix:	Air					
Collected:	07/11/2023					
NA	Non Reported	0.0			07/14/2023 16:46	TO-15/R3QA230



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Site Name: IVY CITY TO15

Project #: NSF 791

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-10					
Station ID:	P-R-2-07112023-2					
Sample Matrix:	Air					
Collected:	07/11/2023					
NA	Non Reported	0.0			07/14/2023 18:35	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-11					
Station ID:	P-R-3-07112023-3					
Sample Matrix:	Air					
Collected:	07/11/2023					
NA	Non Reported	0.0			07/15/2023 03:20	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-12					
Station ID:	P-R-4-07112023-4					
Sample Matrix:	Air					
Collected:	07/11/2023					
NA	Non Reported	0.0			07/14/2023 19:31	TO-15/R3QA230



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Environmental Science Center
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Site Name: IVY CITY TO15

Project #: NSF 791

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-13					
Station ID:	P-R-5-07112023-5					
Sample Matrix:	Air					
Collected:	07/11/2023					
NA	Non Reported	0.0			07/15/2023 02:27	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-14					
Station ID:	W-B-0-07152023-14					
Sample Matrix:	Air					
Collected:	07/15/2023					
598-25-4	1,2-Butadiene, 3-methyl-	3.2	T	7.75	07/19/2023 17:23	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-15					
Station ID:	W-R-1-07152023-15					
Sample Matrix:	Air					
Collected:	07/15/2023					
NA	Non Reported	0.0			07/19/2023 18:20	TO-15/R3QA230



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Environmental Science Center
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Site Name: IVY CITY TO15

Project #: NSF 791

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-16					
Station ID:	W-R-2-07152023-16					
Sample Matrix:	Air					
Collected:	07/15/2023					
NA	Non Reported	0.0			07/19/2023 19:14	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-17					
Station ID:	W-R-3-07152023-17					
Sample Matrix:	Air					
Collected:	07/15/2023					
NA	Non Reported	0.0			07/19/2023 20:07	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-18					
Station ID:	W-R-4-07152023-18					
Sample Matrix:	Air					
Collected:	07/15/2023					
NA	Non Reported	0.0			07/19/2023 21:01	TO-15/R3QA230



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Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: IVY CITY TO15

Project #: NSF 791

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2307006-19					
Station ID:	W-R-5-07152023-19					
Sample Matrix:	Air					
Collected:	07/15/2023					
NA	Non Reported	0.0			07/19/2023 21:57	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: IVY CITY TO15

Project #: NSF 791

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BG31904 - TO-15 Air

Blank (BG31904-BLK1)

Prepared & Analyzed: 07/14/2023 14:50

Acetone	U	0.5	ppbv
Acrolein	U	0.5	"
Benzene	U	0.5	"
Benzyl chloride	U	0.5	"
Bromodichloromethane	U	0.5	"
Bromoform	U	0.5	"
Bromomethane	U	0.5	"
1,3-Butadiene	U	0.5	"
2-Butanone	U	0.5	"
Carbon disulfide	U	0.5	"
Carbon Tetrachloride	U	0.5	"
Chlorobenzene	U	0.5	"
Chloroethane	U	0.5	"
Chloroform	U	0.5	"
Chloromethane	U	0.5	"
Cyclohexane	U	0.5	"
Dibromochloromethane	U	0.5	"
1,2-Dibromoethane (EDB)	U	0.5	"
1,2-Dichlorobenzene	U	0.5	"
1,3-Dichlorobenzene	U	0.5	"
1,4-Dichlorobenzene	U	0.5	"
Dichlorodifluoromethane	U	0.5	"
1,1-Dichloroethane	U	0.5	"
1,2-Dichloroethane	U	0.5	"
1,1-Dichloroethene	U	0.5	"
cis-1,2-Dichloroethene	U	0.5	"
trans-1,2-Dichloroethene	U	0.5	"
1,2-Dichloropropane	U	0.5	"
cis-1,3-Dichloropropene	U	0.5	"
trans-1,3-Dichloropropene	U	0.5	"
Dichlorotetrafluoroethane	U	0.5	"
1,4-Dioxane	U	0.5	"
Ethanol	U	0.5	"
Ethyl Acetate	U	0.5	"
Ethylbenzene	U	0.5	"
4-Ethyltoluene	U	0.5	"
Freon 113	U	0.5	"
Heptane	U	0.5	"
Hexachlorobutadiene	U	0.5	"
Hexane	U	0.5	"
2-Hexanone	U	0.5	"
Isopropyl alcohol	U	0.5	"
Methyl Methacrylate	U	0.5	"
Methyl tert-Butyl Ether	U	0.5	"



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: IVY CITY TO15

Project #: NSF 791

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BG31904 - TO-15 Air

Blank (BG31904-BLK1)

Prepared & Analyzed: 07/14/2023 14:50

4-Methyl-2-pentanone	U	0.5	ppbv							
Methylene Chloride	U	0.5	"							
Naphthalene	U	0.5	"							
Propylene	U	0.5	"							
Styrene	U	0.5	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Tetrahydrofuran	U	0.5	"							
Toluene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m,p-Xylene	U	1.0	"							
o-Xylene	U	0.5	"							
Surrogate: 4-Bromofluorobenzene	9.60		"	10.000		96	80-120			

Batch BG31905 - TO-15 Air

Blank (BG31905-BLK1)

Prepared: 07/19/2023 14:53 Analyzed: 07/19/2023 16:24

Acetone	U	0.5	ppbv							
Acrolein	U	0.5	"							
Benzene	U	0.5	"							
Benzyl chloride	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
1,3-Butadiene	U	0.5	"							
2-Butanone	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
Cyclohexane	U	0.5	"							
Dibromochloromethane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: IVY CITY TO15

Project #: NSF 791

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BG31905 - TO-15 Air

Blank (BG31905-BLK1)

Prepared: 07/19/2023 14:53 Analyzed: 07/19/2023 16:24

1,3-Dichlorobenzene	U	0.5	ppbv
1,4-Dichlorobenzene	U	0.5	"
Dichlorodifluoromethane	U	0.5	"
1,1-Dichloroethane	U	0.5	"
1,2-Dichloroethane	U	0.5	"
1,1-Dichloroethene	U	0.5	"
cis-1,2-Dichloroethene	U	0.5	"
trans-1,2-Dichloroethene	U	0.5	"
1,2-Dichloropropane	U	0.5	"
cis-1,3-Dichloropropene	U	0.5	"
trans-1,3-Dichloropropene	U	0.5	"
Dichlorotetrafluoroethane	U	0.5	"
1,4-Dioxane	U	0.5	"
Ethanol	U	0.5	"
Ethyl Acetate	U	0.5	"
Ethylbenzene	U	0.5	"
4-Ethyltoluene	U	0.5	"
Freon 113	U	0.5	"
Heptane	U	0.5	"
Hexachlorobutadiene	U	0.5	"
Hexane	U	0.5	"
2-Hexanone	U	0.5	"
Isopropyl alcohol	U	0.5	"
Methyl Methacrylate	U	0.5	"
Methyl tert-Butyl Ether	U	0.5	"
4-Methyl-2-pentanone	U	0.5	"
Methylene Chloride	U	0.5	"
Naphthalene	U	0.5	"
Propylene	U	0.5	"
Styrene	U	0.5	"
1,1,2,2-Tetrachloroethane	U	0.5	"
Tetrachloroethene	U	0.5	"
Tetrahydrofuran	U	0.5	"
Toluene	U	0.5	"
1,2,4-Trichlorobenzene	U	0.5	"
1,1,1-Trichloroethane	U	0.5	"
1,1,2-Trichloroethane	U	0.5	"
Trichloroethene	U	0.5	"
Trichlorofluoromethane	U	0.5	"
1,2,4-Trimethylbenzene	U	0.5	"
1,3,5-Trimethylbenzene	U	0.5	"
Vinyl acetate	U	0.5	"
Vinyl chloride	U	0.5	"
m,p-Xylene	U	1.0	"



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: IVY CITY TO15

Project #: NSF 791

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BG31905 - TO-15 Air

Blank (BG31905-BLK1)

Prepared: 07/19/2023 14:53 Analyzed: 07/19/2023 16:24

o-Xylene	U	0.5	ppbv							
Surrogate: 4-Bromofluorobenzene	9.75		"	10.000		98	80-120			



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: IVY CITY TO15

Project #: NSF 791

Notes and Definitions

Results apply only to the samples tested as received.

UJ	The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
T	Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
L	The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value. Reported value is an estimate.
J	The identification of the analyte is acceptable; the reported value is an estimate.
%REC	Percent Recovery
RPD	Relative Percent Difference
U	Analyte included in the analysis, but not detected at or above the quantitation limit.
NR	Not Reported

QUANTITATION LIMIT: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

SOLID SAMPLE RESULTS - REPORTING PROTOCOL: Percent Solids (percent dry wt at 105 degrees C) determinations are routinely performed for most organic and inorganic analyses. Consequently, these samples are analyzed wet and converted to a dry weight result for reporting purposes. If metals and mercury analyses are requested, they are routinely prepared for analyses by an initial drying at 60 degrees C, homogenized prior to digestion, and are analyzed and reported on a dry weight basis. Oil-type samples are analyzed and reported on a wet weight basis for all analyses because of the nature of the sample matrix. Any exceptions to this protocol will be noted in the narrative.

ON-DEMAND: The term 'on-demand' analysis, if noted in the report narrative, refers to Section 13.1.2 in the Region 3 Laboratory Quality Manual, which provides procedures for non-routine analyses or analytes.