



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).....	1/25/2024 - 1/26/2024
Contact.....	Howard Schmidt
Report Date.....	03/12/2024 13:09
Project #.....	NSF 791
Work Order.....	2401014

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).

Second Calibration Verification: m/p Xylene, Styrene, o-Xylene, Bromoform, 1,1,2,2-Tetrachloroethane, 4-Ethyltoluene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3-Dichlorobenzene, Benzyl Chloride, 1,4-Dichlorobenzene, and 1,2-Dichlorobenzene were above the acceptance criteria limit (30%). Samples 2401014-03, -10, and -11 were qualified as "K" for m/p Xylene. Sample 2401014-10 was qualified as "K" for o-Xylene.

Acrolein is not present in the second source standard. Sample 2401014-06 is qualified as "J" for Acrolein. All other samples are qualified as "UJ" for Acrolein.

Samples 2401014-10 and -11 were not received under vacuum. These samples were qualified as "J/UJ" for all analytes.

2401014 Final Report NSF 791 03/12/2024



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Environmental Science Center
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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 Begin	Date Sampled End	Date Received
N-B-0-01262024-68	2401014-01	Air	1/26/24 09:04	01/26/2024 15:00	01/26/2024 16:15
N-C-6-01262024-64	2401014-02	Air	1/26/24 08:15	01/26/2024 14:11	01/26/2024 16:15
N-C-7-01262024-65	2401014-03	Air	1/26/24 08:20	01/26/2024 14:14	01/26/2024 16:15
N-C-8-01262024-66	2401014-04	Air	1/26/24 08:12	01/26/2024 14:08	01/26/2024 16:15
N-C-9-01262024-67	2401014-05	Air	1/26/24 08:31	01/26/2024 14:20	01/26/2024 16:15
N-R-1-01262024-63	2401014-06	Air	1/26/24 08:24	01/26/2024 14:17	01/26/2024 16:15
P-B-0-01252024-61	2401014-07	Air	1/25/24 09:30	01/25/2024 15:14	01/26/2024 16:15
P-B-0-01252024-62A	2401014-08	Air	1/25/24 09:30	01/25/2024 15:14	01/26/2024 16:15
P-C-6-01252024-57	2401014-09	Air	1/25/24 08:33	01/25/2024 15:49	01/26/2024 16:15
P-C-7-01252024-58	2401014-10	Air	1/25/24 08:37	01/25/2024 15:55	01/26/2024 16:15
P-C-8-01252024-59	2401014-11	Air	1/25/24 08:26	01/25/2024 15:47	01/26/2024 16:15
P-C-9-01252024-60	2401014-12	Air	1/25/24 08:50	01/25/2024 15:44	01/26/2024 16:15
P-R-1-01252024-56	2401014-13	Air	1/25/24 08:42	01/25/2024 15:57	01/26/2024 16:15

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 000

Contact Name: Howard Schmidt

Contact Phone: 215-814-2133

No: 01262024

Lab: EPA R3 Lab

Lab Contact: Adam Molnar

Lab Phone: 410-305-2676

[illegible]

Special Instructions: All samples from 1-25-24 & 1-26-24 delivered by hand.

SAMPLES TRANSFERRED FROM	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
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67	68
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71	72
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79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all T015		1-26-2024 4:15pm	 EPA	1-26-24/4:15pm	all intact



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-B-0-01262024-68**Lab ID:** 2401014-01**Sample Matrix:** Air**Date Collected:** 01/26/2024**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	6.3	2.6	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/07/2024 18:37	TO-15/R3QA230
Benzene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Chloromethane	1.2	0.6	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Ethanol	8.2	4.3	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-B-0-01262024-68**Lab ID:** 2401014-01**Sample Matrix:** Air**Date Collected:** 01/26/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Heptane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Hexane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Propylene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Styrene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Tetrahydrofuran	2.2	0.7	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Toluene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	02/07/2024 18:37	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/07/2024 18:37	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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Surrogate: 4-Bromofluorobenzene 9.68 97 % 80-120 02/07/2024 15:36 02/07/2024 18:37 TO-15/R3QA230



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-C-6-01262024-64**Lab ID:** 2401014-02**Sample Matrix:** Air**Date Collected:** 01/26/2024**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	8.6	3.6	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/07/2024 19:30	TO-15/R3QA230
Benzene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Chloromethane	1.2	0.6	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Ethanol	39.6	20.8	1.0		2	02/08/2024 10:47	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-C-6-01262024-64**Lab ID:** 2401014-02**Sample Matrix:** Air**Date Collected:** 01/26/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Heptane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Hexane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Isopropyl alcohol	2.8	1.1	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Propylene	1.9	1.1	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Styrene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Tetrahydrofuran	2.1	0.7	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Toluene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	02/07/2024 19:30	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/07/2024 19:30	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: IVY CITY TO15

Project #: NSF 791

Station ID: N-C-6-01262024-64

Lab ID: 2401014-02

Sample Matrix: Air

Date Collected: 01/26/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.67		97 %	80-120	02/07/2024 15:36	02/07/2024 19:30	TO-15/R3QA230



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** N-C-7-01262024-65**Lab ID:** 2401014-03**Sample Matrix:** Air**Date Collected:** 01/26/2024

**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	6.9	2.9	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/07/2024 20:22	TO-15/R3QA230
Benzene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Chloromethane	1.2	0.6	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Ethanol	10.1	5.3	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/07/2024 20:22	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-C-7-01262024-65**Lab ID:** 2401014-03**Sample Matrix:** Air**Date Collected:** 01/26/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Heptane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Hexane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Isopropyl alcohol	1.4	0.6	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Propylene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Styrene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Tetrahydrofuran	3.4	1.1	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Toluene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230
m,p-Xylene	4.9	1.1	1.0	K	1	02/07/2024 20:22	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/07/2024 20:22	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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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-C-7-01262024-65

Lab ID: 2401014-03

Sample Matrix: Air

Date Collected: 01/26/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.68		97 %	80-120	02/07/2024 15:36	02/07/2024 20:22	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-C-8-01262024-66**Lab ID:** 2401014-04**Sample Matrix:** Air**Date Collected:** 01/26/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	7.2	3.0	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/07/2024 21:13	TO-15/R3QA230
Benzene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Chloromethane	1.3	0.6	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Ethanol	14.4	7.6	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/07/2024 21:13	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-C-8-01262024-66**Lab ID:** 2401014-04**Sample Matrix:** Air**Date Collected:** 01/26/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Heptane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Hexane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Isopropyl alcohol	1.4	0.6	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Propylene	1.0	0.6	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Styrene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Tetrahydrofuran	1.6	0.5	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Toluene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	02/07/2024 21:13	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/07/2024 21:13	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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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-C-8-01262024-66

Lab ID: 2401014-04

Sample Matrix: Air

Date Collected: 01/26/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.75		98 %	80-120	02/07/2024 15:36	02/07/2024 21:13	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-C-9-01262024-67**Lab ID:** 2401014-05**Sample Matrix:** Air**Date Collected:** 01/26/2024**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	5.5	2.3	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/07/2024 22:04	TO-15/R3QA230
Benzene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Chloromethane	1.2	0.6	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Ethanol	115	60.5	2.0		4	02/08/2024 11:33	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/07/2024 22:04	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-C-9-01262024-67**Lab ID:** 2401014-05**Sample Matrix:** Air**Date Collected:** 01/26/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Heptane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Hexane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Propylene	1.4	0.8	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Styrene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Tetrahydrofuran	2.4	0.8	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Toluene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	02/07/2024 22:04	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/07/2024 22:04	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
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Surrogate: 4-Bromofluorobenzene 9.66 97 % 80-120 02/07/2024 15:36 02/07/2024 22:04 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-1-01262024-63**Lab ID:** 2401014-06**Sample Matrix:** Air**Date Collected:** 01/26/2024

**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	28.4	11.8	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Acrolein	2.7	1.2	0.5	J	1	02/07/2024 22:55	TO-15/R3QA230
Benzene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Chloromethane	1.4	0.6	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Ethanol	56.1	29.5	1.0		2	02/08/2024 12:21	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/07/2024 22:55	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-1-01262024-63**Lab ID:** 2401014-06**Sample Matrix:** Air**Date Collected:** 01/26/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Heptane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Hexane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Isopropyl alcohol	7.1	2.9	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Propylene	2.2	1.2	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Styrene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Tetrahydrofuran	50.7	17.0	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Toluene	2.0	0.5	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	02/07/2024 22:55	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/07/2024 22:55	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	%Recovery Prepared	Analyzed	Method/SOP#
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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-1-01262024-63

Lab ID: 2401014-06

Sample Matrix: Air

Date Collected: 01/26/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.71		97 %	80-120	02/07/2024 15:36	02/07/2024 22:55	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-0-01252024-61**Lab ID:** 2401014-07**Sample Matrix:** Air**Date Collected:** 01/25/2024**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	11.2	4.7	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/07/2024 23:49	TO-15/R3QA230
Benzene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Chloromethane	1.1	0.6	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Ethanol	17.3	9.1	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/07/2024 23:49	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-0-01252024-61**Lab ID:** 2401014-07**Sample Matrix:** Air**Date Collected:** 01/25/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Heptane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Hexane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Isopropyl alcohol	2.4	1.0	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Propylene	3.9	2.2	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Styrene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Tetrahydrofuran	3.4	1.2	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Toluene	3.7	1.0	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230
m,p-Xylene	2.4	0.5	1.0	J	1	02/07/2024 23:49	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/07/2024 23:49	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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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-0-01252024-61

Lab ID: 2401014-07

Sample Matrix: Air

Date Collected: 01/25/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.75		98 %	80-120	02/07/2024 15:36	02/07/2024 23:49	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-0-01252024-62A**Lab ID:** 2401014-08**Sample Matrix:** Air**Date Collected:** 01/25/2024**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	10.8	4.5	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 00:39	TO-15/R3QA230
Benzene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Chloromethane	1.2	0.6	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Ethanol	11.6	6.1	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/08/2024 00:39	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-0-01252024-62A**Lab ID:** 2401014-08**Sample Matrix:** Air**Date Collected:** 01/25/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Heptane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Hexane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Isopropyl alcohol	4.2	1.7	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Propylene	2.8	1.6	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Styrene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Tetrahydrofuran	1.6	0.6	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Toluene	2.8	0.7	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	02/08/2024 00:39	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/08/2024 00:39	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	%Recovery Prepared	Analyzed	Method/SOP#
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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-0-01252024-62A

Lab ID: 2401014-08

Sample Matrix: Air

Date Collected: 01/25/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.71		97 %	80-120	02/07/2024 15:36	02/08/2024 00:39	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-C-6-01252024-57**Lab ID:** 2401014-09**Sample Matrix:** Air**Date Collected:** 01/25/2024

**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	13.5	5.6	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 01:30	TO-15/R3QA230
Benzene	2.4	0.7	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Chloromethane	1.2	0.6	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Ethanol	42.6	22.4	1.0		2	02/08/2024 13:08	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/08/2024 01:30	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-C-6-01252024-57**Lab ID:** 2401014-09**Sample Matrix:** Air**Date Collected:** 01/25/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Heptane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Hexane	2.1	0.6	0.5		1	02/08/2024 01:30	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Isopropyl alcohol	6.5	2.6	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Propylene	4.2	2.4	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Styrene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Tetrahydrofuran	4.3	1.4	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Toluene	5.8	1.5	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230
m,p-Xylene	3.4	0.8	1.0	J	1	02/08/2024 01:30	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/08/2024 01:30	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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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-C-6-01252024-57

Lab ID: 2401014-09

Sample Matrix: Air

Date Collected: 01/25/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.73		97 %	80-120	02/07/2024 15:36	02/08/2024 01:30	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-C-7-01252024-58**Lab ID:** 2401014-10**Sample Matrix:** Air**Date Collected:** 01/25/2024

**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	30.8	12.9	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Benzene	3.8	1.2	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
Benzyl chloride	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Bromodichloromethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Bromoform	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Bromomethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,3-Butadiene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
2-Butanone	5.9	2.0	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
Carbon disulfide	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Chlorobenzene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Chloroethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Chloroform	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Chloromethane	1.3	0.6	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
Cyclohexane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Dibromochloromethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,4-Dioxane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Ethanol	54.9	28.9	1.0	J	2	02/08/2024 13:55	TO-15/R3QA230
Ethyl Acetate	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Ethylbenzene	2.4	0.6	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5	UJ	1	02/08/2024 02:21	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-C-7-01252024-58**Lab ID:** 2401014-10**Sample Matrix:** Air**Date Collected:** 01/25/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Heptane	2.6	0.6	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Hexane	4.6	1.3	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
2-Hexanone	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Isopropyl alcohol	6.5	2.6	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Methylene Chloride	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Naphthalene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Propylene	5.9	3.4	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
Styrene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Tetrachloroethene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Tetrahydrofuran	2.5	0.8	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
Toluene	13.8	3.6	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Trichloroethene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Vinyl acetate	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
Vinyl chloride	U	U	0.5	UJ	1	02/08/2024 02:21	TO-15/R3QA230
m,p-Xylene	6.7	1.5	1.0	J	1	02/08/2024 02:21	TO-15/R3QA230
o-Xylene	2.7	0.6	0.5	J	1	02/08/2024 02:21	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	%Recovery Prepared	Analyzed	Method/SOP#
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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-C-7-01252024-58

Lab ID: 2401014-10

Sample Matrix: Air

Date Collected: 01/25/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.73		97 %	80-120	02/07/2024 15:36	02/08/2024 02:21	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-C-8-01252024-59**Lab ID:** 2401014-11**Sample Matrix:** Air**Date Collected:** 01/25/2024**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	20.1	8.4	0.5	J	1	02/08/2024 03:12	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Benzene	3.3	1.0	0.5	J	1	02/08/2024 03:12	TO-15/R3QA230
Benzyl chloride	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Bromodichloromethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Bromoform	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Bromomethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,3-Butadiene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
2-Butanone	2.3	0.8	0.5	J	1	02/08/2024 03:12	TO-15/R3QA230
Carbon disulfide	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Chlorobenzene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Chloroethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Chloroform	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Chloromethane	1.3	0.6	0.5	J	1	02/08/2024 03:12	TO-15/R3QA230
Cyclohexane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Dibromochloromethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,4-Dioxane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Ethanol	45.2	23.8	1.0	J	2	02/08/2024 14:43	TO-15/R3QA230
Ethyl Acetate	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Ethylbenzene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5	UJ	1	02/08/2024 03:12	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-C-8-01252024-59**Lab ID:** 2401014-11**Sample Matrix:** Air**Date Collected:** 01/25/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Heptane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Hexane	4.2	1.2	0.5	J	1	02/08/2024 03:12	TO-15/R3QA230
2-Hexanone	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Isopropyl alcohol	7.0	2.8	0.5	J	1	02/08/2024 03:12	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Methylene Chloride	1.9	0.5	0.5	J	1	02/08/2024 03:12	TO-15/R3QA230
Naphthalene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Propylene	6.5	3.7	0.5	J	1	02/08/2024 03:12	TO-15/R3QA230
Styrene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Tetrachloroethene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Tetrahydrofuran	3.0	1.0	0.5	J	1	02/08/2024 03:12	TO-15/R3QA230
Toluene	11.3	3.0	0.5	J	1	02/08/2024 03:12	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Trichloroethene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Vinyl acetate	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
Vinyl chloride	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230
m,p-Xylene	5.4	1.2	1.0	J	1	02/08/2024 03:12	TO-15/R3QA230
o-Xylene	U	U	0.5	UJ	1	02/08/2024 03:12	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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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-C-8-01252024-59

Lab ID: 2401014-11

Sample Matrix: Air

Date Collected: 01/25/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.73		97 %	80-120	02/07/2024 15:36	02/08/2024 03:12	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-C-9-01252024-60**Lab ID:** 2401014-12**Sample Matrix:** Air**Date Collected:** 01/25/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	15.9	6.6	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 04:02	TO-15/R3QA230
Benzene	2.3	0.7	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
2-Butanone	1.9	0.6	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Chloromethane	1.4	0.6	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Ethanol	286	150	5.0		10	02/08/2024 19:20	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/08/2024 04:02	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-C-9-01252024-60**Lab ID:** 2401014-12**Sample Matrix:** Air**Date Collected:** 01/25/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Heptane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Hexane	2.6	0.7	0.5		1	02/08/2024 04:02	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Isopropyl alcohol	3.8	1.5	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Methylene Chloride	2.1	0.6	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Propylene	7.3	4.2	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Styrene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Tetrahydrofuran	3.0	1.0	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Toluene	10.9	2.9	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230
m,p-Xylene	3.5	0.8	1.0	J	1	02/08/2024 04:02	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/08/2024 04:02	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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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-C-9-01252024-60

Lab ID: 2401014-12

Sample Matrix: Air

Date Collected: 01/25/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.71		97 %	80-120	02/07/2024 15:36	02/08/2024 04:02	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-1-01252024-56**Lab ID:** 2401014-13**Sample Matrix:** Air**Date Collected:** 01/25/2024**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	16.4	6.8	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 04:53	TO-15/R3QA230
Benzene	2.2	0.7	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
2-Butanone	2.4	0.8	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Chloromethane	1.2	0.6	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Ethanol	33.4	17.6	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/08/2024 04:53	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-1-01252024-56**Lab ID:** 2401014-13**Sample Matrix:** Air**Date Collected:** 01/25/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Heptane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Hexane	2.5	0.7	0.5		1	02/08/2024 04:53	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Isopropyl alcohol	8.8	3.5	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Propylene	3.1	1.8	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Styrene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Tetrahydrofuran	2.7	0.9	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Toluene	5.9	1.6	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230
m,p-Xylene	2.7	0.6	1.0	J	1	02/08/2024 04:53	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/08/2024 04:53	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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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-1-01252024-56

Lab ID: 2401014-13

Sample Matrix: Air

Date Collected: 01/25/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.72		97 %	80-120	02/07/2024 15:36	02/08/2024 04:53	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
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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:	2401014-01					
Station ID:	N-B-0-01262024-68					
Sample Matrix:	Air					
Collected:	01/26/2024					
NA	None Detected	0.0			02/07/2024 18:37	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2401014-02					
Station ID:	N-C-6-01262024-64					
Sample Matrix:	Air					
Collected:	01/26/2024					
106-97-8	Butane	1.4	T	5.16	02/07/2024 19:30	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	1.1	T	6.61	02/07/2024 19:30	TO-15/R3QA230
109-66-0	Pentane	1.0	T	7.26	02/07/2024 19:30	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2401014-03					
Station ID:	N-C-7-01262024-65					
Sample Matrix:	Air					
Collected:	01/26/2024					
106-97-8	Butane	1.1	T	5.16	02/07/2024 20:22	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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:	2401014-04					
Station ID:	N-C-8-01262024-66					
Sample Matrix:	Air					
Collected:	01/26/2024					
106-97-8	Butane	1.0	T	5.15	02/07/2024 21:13	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2401014-05					
Station ID:	N-C-9-01262024-67					
Sample Matrix:	Air					
Collected:	01/26/2024					
NA	None Detected	0.0			02/07/2024 22:04	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2401014-06					
Station ID:	N-R-1-01262024-63					
Sample Matrix:	Air					
Collected:	01/26/2024					
106-97-8	Butane	1.4	T	5.16	02/07/2024 22:55	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: 2401014-07						
Station ID: P-B-0-01252024-61						
Sample Matrix: Air						
Collected: 01/25/2024						
106-97-8	Butane	2.6	T	5.17	02/07/2024 23:49	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	1.5	T	6.61	02/07/2024 23:49	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID: 2401014-08						
Station ID: P-B-0-01252024-62A						
Sample Matrix: Air						
Collected: 01/25/2024						
106-97-8	Butane	1.9	T	5.16	02/08/2024 00:39	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	1.1	T	6.61	02/08/2024 00:39	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID: 2401014-09						
Station ID: P-C-6-01252024-57						
Sample Matrix: Air						
Collected: 01/25/2024						
106-97-8	Butane	3.2	T	5.16	02/08/2024 01:30	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	2.0	T	6.61	02/08/2024 01:30	TO-15/R3QA230
109-66-0	Pentane	1.5	T	7.27	02/08/2024 01:30	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Environmental Science Center
Region 3 Laboratory
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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: 2401014-10						
Station ID: P-C-7-01252024-58						
Sample Matrix: Air						
Collected: 01/25/2024						
106-97-8	Butane	5.2	T	5.16	02/08/2024 02:21	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	3.5	T	6.61	02/08/2024 02:21	TO-15/R3QA230
109-66-0	Pentane	2.0	T	7.27	02/08/2024 02:21	TO-15/R3QA230
107-83-5	Pentane, 2-methyl-	1.4	T	9.26	02/08/2024 02:21	TO-15/R3QA230
590-73-8	Hexane, 2,2-dimethyl-	1.2	T	12.85	02/08/2024 02:21	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID: 2401014-11						
Station ID: P-C-8-01252024-59						
Sample Matrix: Air						
Collected: 01/25/2024						
106-97-8	Butane	5.1	T	5.16	02/08/2024 03:12	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	4.1	T	6.61	02/08/2024 03:12	TO-15/R3QA230
109-66-0	Pentane	3.8	T	7.27	02/08/2024 03:12	TO-15/R3QA230
107-83-5	Pentane, 2-methyl-	1.2	T	9.26	02/08/2024 03:12	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID: 2401014-12						
Station ID: P-C-9-01252024-60						
Sample Matrix: Air						
Collected: 01/25/2024						
106-97-8	Butane	4.5	T	5.16	02/08/2024 04:02	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	2.2	T	6.61	02/08/2024 04:02	TO-15/R3QA230
109-66-0	Pentane	1.2	T	7.27	02/08/2024 04:02	TO-15/R3QA230



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:	2401014-13					
Station ID:	P-R-1-01252024-56					
Sample Matrix:	Air					
Collected:	01/25/2024					
106-97-8	Butane	4.0	T	5.16	02/08/2024 04:53	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	2.4	T	6.61	02/08/2024 04:53	TO-15/R3QA230
109-66-0	Pentane	1.4	T	7.27	02/08/2024 04:53	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	Units	Spike Level	Source Result	%REC	%REC	RPD	RPD	Notes
		Limit					Limits		Limit	

Batch BB42703 - TO-15 Air

Blank (BB42703-BLK1)

Prepared: 02/07/2024 15:36 Analyzed: 02/07/2024 17:43

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	"



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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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 BB42703 - TO-15 Air

Blank (BB42703-BLK1)

Prepared: 02/07/2024 15:36 Analyzed: 02/07/2024 17:43

Isopropyl alcohol	U	0.5	ppbv							
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	"							
o-Xylene	U	0.5	"							
Surrogate: 4-Bromofluorobenzene	9.69		"	10.000		97	80-120			

Blank (BB42703-BLK2)

Prepared: 02/07/2024 15:36 Analyzed: 02/08/2024 18:35

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	"							



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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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 BB42703 - TO-15 Air

Blank (BB42703-BLK2)

Prepared: 02/07/2024 15:36 Analyzed: 02/08/2024 18:35

Cyclohexane	U	0.5	ppbv
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	"
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	"



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

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch BB42703 - TO-15 Air

Blank (BB42703-BLK2)

Prepared: 02/07/2024 15:36 Analyzed: 02/08/2024 18:35

Trichloroethene	U	0.5	ppbv						
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	9.72		"	10.000		97	80-120		

LCS (BB42703-BS1)

Prepared & Analyzed: 02/07/2024 15:36

Acetone	4.92000	0.5	ppbv	5.0000		98	70-130		
Acrolein	5.01000	0.5	"	5.0000		100	70-130		
Benzene	5.01000	0.5	"	5.0000		100	70-130		
Benzyl chloride	5.69000	0.5	"	5.0000		114	70-130		
Bromodichloromethane	5.16000	0.5	"	5.0000		103	70-130		
Bromoform	5.65000	0.5	"	5.0000		113	70-130		
Bromomethane	4.93000	0.5	"	5.0000		99	70-130		
1,3-Butadiene	4.96000	0.5	"	5.0000		99	70-130		
2-Butanone	5.04000	0.5	"	5.0000		101	70-130		
Carbon disulfide	5.00000	0.5	"	5.0000		100	70-130		
Carbon Tetrachloride	4.91000	0.5	"	5.0000		98	70-130		
Chlorobenzene	5.31000	0.5	"	5.0000		106	70-130		
Chloroethane	4.97000	0.5	"	5.0000		99	70-130		
Chloroform	4.96000	0.5	"	5.0000		99	70-130		
Chloromethane	5.11000	0.5	"	5.0000		102	70-130		
Cyclohexane	4.97000	0.5	"	5.0000		99	70-130		
Dibromochloromethane	5.44000	0.5	"	5.0000		109	70-130		
1,2-Dibromoethane (EDB)	5.43000	0.5	"	5.0000		109	70-130		
1,2-Dichlorobenzene	5.35000	0.5	"	5.0000		107	70-130		
1,3-Dichlorobenzene	5.39000	0.5	"	5.0000		108	70-130		
1,4-Dichlorobenzene	5.35000	0.5	"	5.0000		107	70-130		
Dichlorodifluoromethane	4.89000	0.5	"	5.0000		98	70-130		
1,1-Dichloroethane	4.97000	0.5	"	5.0000		99	70-130		
1,2-Dichloroethane	5.02000	0.5	"	5.0000		100	70-130		
1,1-Dichloroethene	4.95000	0.5	"	5.0000		99	70-130		
cis-1,2-Dichloroethene	5.03000	0.5	"	5.0000		101	70-130		
trans-1,2-Dichloroethene	5.01000	0.5	"	5.0000		100	70-130		
1,2-Dichloropropane	5.09000	0.5	"	5.0000		102	70-130		
cis-1,3-Dichloropropene	5.18000	0.5	"	5.0000		104	70-130		
trans-1,3-Dichloropropene	5.28000	0.5	"	5.0000		106	70-130		



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 Limits	RPD	RPD Limit	Notes
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Batch BB42703 - TO-15 Air

LCS (BB42703-BS1)

Prepared & Analyzed: 02/07/2024 15:36

Dichlorotetrafluoroethane	5.02000	0.5	ppbv	5.0000		100	70-130		
1,4-Dioxane	5.29000	0.5	"	5.0000		106	70-130		
Ethanol	5.38000	0.5	"	5.0000		108	70-130		
Ethyl Acetate	5.20000	0.5	"	5.0000		104	70-130		
Ethylbenzene	5.30000	0.5	"	5.0000		106	70-130		
4-Ethyltoluene	5.30000	0.5	"	5.0000		106	70-130		
Freon 113	4.81000	0.5	"	5.0000		96	70-130		
Heptane	5.03000	0.5	"	5.0000		101	70-130		
Hexachlorobutadiene	4.58000	0.5	"	5.0000		92	70-130		
Hexane	4.92000	0.5	"	5.0000		98	70-130		
2-Hexanone	5.55000	0.5	"	5.0000		111	70-130		
Isopropyl alcohol	5.01000	0.5	"	5.0000		100	70-130		
Methyl Methacrylate	5.14000	0.5	"	5.0000		103	70-130		
Methyl tert-Butyl Ether	4.87000	0.5	"	5.0000		97	70-130		
4-Methyl-2-pentanone	5.28000	0.5	"	5.0000		106	70-130		
Methylene Chloride	4.93000	0.5	"	5.0000		99	70-130		
Naphthalene	4.75000	0.5	"	5.0000		95	70-130		
Propylene	4.90000	0.5	"	5.0000		98	70-130		
Styrene	5.44000	0.5	"	5.0000		109	70-130		
1,1,2,2-Tetrachloroethane	5.49000	0.5	"	5.0000		110	70-130		
Tetrachloroethene	5.22000	0.5	"	5.0000		104	70-130		
Tetrahydrofuran	4.97000	0.5	"	5.0000		99	70-130		
Toluene	5.23000	0.5	"	5.0000		105	70-130		
1,2,4-Trichlorobenzene	4.70000	0.5	"	5.0000		94	70-130		
1,1,1-Trichloroethane	4.87000	0.5	"	5.0000		97	70-130		
1,1,2-Trichloroethane	5.32000	0.5	"	5.0000		106	70-130		
Trichloroethene	5.02000	0.5	"	5.0000		100	70-130		
Trichlorofluoromethane	4.84000	0.5	"	5.0000		97	70-130		
1,2,4-Trimethylbenzene	5.26000	0.5	"	5.0000		105	70-130		
1,3,5-Trimethylbenzene	5.17000	0.5	"	5.0000		103	70-130		
Vinyl acetate	4.95000	0.5	"	5.0000		99	70-130		
Vinyl chloride	5.14000	0.5	"	5.0000		103	70-130		
m,p-Xylene	10.7100	1.0	"	10.000		107	70-130		
o-Xylene	5.33000	0.5	"	5.0000		107	70-130		
Surrogate: 4-Bromofluorobenzene	9.85		"	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.
K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less 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: Solid samples where % Solids (percent dry wt at 105 degrees C) has been performed, are analyzed wet and converted to a dry weight result for reporting purposes. This is routine for organics and most inorganic analyses. When metals and mercury analyses are requested, solid samples are routinely analyzed and reported on a dry weight basis. Solid samples for metals/mercury are prepared for analysis by an initial drying at 60 degree C and homogenization before digestion. Oil-type samples will be analyzed and reported on a wet weight basis for all analyses because of the nature of the sample. Any exceptions to the protocol will be noted with a qualifier