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).....	12/7/2023 - 12/7/2023
Contact.....	Howard Schmidt
Report Date.....	01/23/2024 17:31
Project #.....	NSF 791
Work Order.....	2312009

Analyses included in this report:

VOCs by EPA TO-15, TO-15 list

Approved for Release

Region 3 Laboratory Representative

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**

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).

Acrolein is not present in the second source standard. Acrolein is reported as "J" in sample 2312009-07 and "UJ" in all other samples.

2312009 Final Report NSF 791 01/23/2024

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**

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled Begin	Date Sampled End	Date Received
N-R-1-12072023-44	2312009-01	Air	12/07/23 07:30	12/07/2023 15:46	12/08/2023 08:10
N-R-2-12072023-45	2312009-02	Air	12/07/23 07:34	12/07/2023 15:49	12/08/2023 08:10
N-R-3-12072023-46	2312009-03	Air	12/07/23 07:45	12/07/2023 15:56	12/08/2023 08:10
N-R-4-12072023-47	2312009-04	Air	12/07/23 07:41	12/07/2023 15:54	12/08/2023 08:10
N-R-5-12072023-48	2312009-05	Air	12/07/23 07:37	12/07/2023 15:52	12/08/2023 08:10
N-R-6-12072023-49	2312009-06	Air	12/07/23 08:15	12/07/2023 15:05	12/08/2023 08:10
P-B-0-12062023-43	2312009-07	Air	12/07/23 08:44	12/07/2023 15:19	12/08/2023 08:10
P-R-1-12062023-37	2312009-08	Air	12/07/23 07:39	12/07/2023 15:50	12/08/2023 08:10
P-R-2-12062023-38	2312009-09	Air	12/07/23 07:45	12/07/2023 15:52	12/08/2023 08:10
P-R-3-12062023-39	2312009-10	Air	12/07/23 08:01	12/07/2023 16:01	12/08/2023 08:10
P-R-3-12062023-40A	2312009-11	Air	12/07/23 08:01	12/07/2023 16:01	12/08/2023 08:10
P-R-4-12062023-41	2312009-12	Air	12/07/23 08:05	12/07/2023 15:58	12/08/2023 08:10
P-R-5-12062023-42	2312009-13	Air	12/07/23 07:51	12/07/2023 15:55	12/08/2023 08:10

USEPA R3
DateShipped: 12/7/2023
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: 000
Contact Name: Howard Schmidt
Contact Phone: 215-814-2133

No: 12072023
Lab: EPA R3 Lab
Lab Contact: Adam Molnar
Lab Phone: 410-305-2676

2312009

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Start Flow Rate	Start Pressure	Stop Pressure	Volume	Start_Time	Stop_Time
-01	N-R-1-12072023-44	1	VOCs	Air	12/7/2023	-11.9	-30	0	-5902.4	7:30:00 AM	3:46:00 PM
-02	N-R-2-12072023-45	2	VOCs	Air	12/7/2023	-10.6	-30	-2.5	-5172.75	7:34:00 AM	3:49:00 PM
-03	N-R-3-12072023-46	3	VOCs	Air	12/7/2023	-10.6	-30	-4	-5204.6	7:45:00 AM	3:56:00 PM
-04	N-R-4-12072023-47	4	VOCs	Air	12/7/2023	-10.4	-30	-4.5	-5176.5	7:41:00 AM	3:54:00 PM
-05	N-R-5-12072023-48	5	VOCs	Air	12/7/2023	-11	-30	0	-5445	7:37:00 AM	3:52:00 PM
-06	N-R-6-12072023-49	0	VOCs	Air	12/7/2023	-11.3	-30	0	-4633	8:15:00 AM	3:05:00 PM
-07	P-B-0-12062023-43	0	VOCs	Air	12/6/2023	-10.7	-30	-7	-4266	8:44:00 AM	3:19:00 PM
-08	P-R-1-12062023-37	1	VOCs	Air	12/6/2023	-10.5	-29	-3.5	-5204.6	7:39:00 AM	3:50:00 PM
-09	P-R-2-12062023-38	2	VOCs	Air	12/6/2023	-11.3	-29	0	-5503.1	7:45:00 AM	3:52:00 PM
-10	P-R-3-12062023-39	3	VOCs	Air	12/6/2023	-11.8	-30	0	-5664	8:01:00 AM	4:01:00 PM
-11	P-R-3-12062023-40A	3	VOCs	Air	12/6/2023	-10.8	-29	-4	-5112	8:01:00 AM	4:01:00 PM
-12	P-R-4-12062023-41	4	VOCs	Air	12/7/2023	-6.9	-30	0	-3263.7	8:05:00 AM	3:58:00 PM
-13	P-R-5-12062023-42	5	VOCs	Air	12/6/2023	-9.1	-30	0	-4404.4	7:51:00 AM	3:55:00 PM

Special Instructions: all samples delivered by hand

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
TO-15		0810 12-8-23		12-8-23/810am	intact

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
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701 Mapes Road
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Site Name: IVY CITY TO15 **Project #:** NSF 791

Station ID: N-R-1-12072023-44 **Lab ID:** 2312009-01

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**3.1**	**1.3**	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/20/2023 14:41	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Chloromethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Ethanol	**3.7**	**2.0**	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Freon 113	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230

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Site Name: IVY CITY TO15 **Project #:** NSF 791

Station ID: N-R-1-12072023-44 **Lab ID:** 2312009-01

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Heptane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Propylene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Toluene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 14:41	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 14:41	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.92		**99 %**	*80-120*	12/20/2023 12:45	12/20/2023 14:41	*TO-15/R3QA230*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Region 3 Laboratory
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Fort Meade, Maryland 20755-5350

Site Name: IVY CITY TO15 **Project #:** NSF 791

Station ID: N-R-2-12072023-45 **Lab ID:** 2312009-02

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**6.5**	**2.7**	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/20/2023 15:34	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Chloromethane	**1.1**	**0.6**	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Ethanol	**24.2**	**12.7**	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230

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Site Name: IVY CITY TO15 **Project #:** NSF 791

Station ID: N-R-2-12072023-45 **Lab ID:** 2312009-02

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 15:34	TO-15/R3QA230
Heptane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Isopropyl alcohol	**2.8**	**1.1**	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Propylene	**1.2**	**0.7**	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Tetrahydrofuran	**1.9**	**0.6**	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Toluene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 15:34	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 15:34	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Site Name: IVY CITY TO15 **Project #:** NSF 791

Station ID: N-R-2-12072023-45 **Lab ID:** 2312009-02

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.95		**100 %**	*80-120*	12/20/2023 12:45	12/20/2023 15:34	*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-3-12072023-46 **Lab ID:** 2312009-03

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 16:26	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/20/2023 16:26	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Ethanol	**29.8**	**15.7**	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/20/2023 16:26	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-3-12072023-46 **Lab ID:** 2312009-03

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 16:26	TO-15/R3QA230
Heptane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Isopropyl alcohol	**4.4**	**1.8**	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Propylene	**1.6**	**0.9**	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Tetrahydrofuran	**1.6**	**0.5**	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Toluene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 16:26	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 16:26	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#

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-3-12072023-46 **Lab ID:** 2312009-03

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.98		**100 %**	*80-120*	12/20/2023 12:45	12/20/2023 16:26	*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-4-12072023-47 **Lab ID:** 2312009-04

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**6.6**	**2.8**	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/20/2023 17:19	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Ethanol	**27.6**	**14.5**	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/20/2023 17:19	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-4-12072023-47 **Lab ID:** 2312009-04

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 17:19	TO-15/R3QA230
Heptane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Isopropyl alcohol	**3.7**	**1.5**	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Propylene	**1.4**	**0.8**	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Toluene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 17:19	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 17:19	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.95		**100 %**	*80-120*	12/20/2023 12:45	12/20/2023 17:19	*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-5-12072023-48 **Lab ID:** 2312009-05

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**8.2**	**3.4**	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/20/2023 18:11	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Chloromethane	**1.0**	**0.5**	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Ethanol	**40.1**	**21.1**	1.0		2	12/21/2023 13:05	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/20/2023 18:11	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-5-12072023-48 **Lab ID:** 2312009-05

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 18:11	TO-15/R3QA230
Heptane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Isopropyl alcohol	**4.8**	**2.0**	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Propylene	**1.7**	**1.0**	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Tetrahydrofuran	**1.6**	**0.5**	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Toluene	**2.2**	**0.6**	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 18:11	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 18:11	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#

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-5-12072023-48 **Lab ID:** 2312009-05

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.92		**99 %**	*80-120*	12/20/2023 12:45	12/20/2023 18:11	*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-6-12072023-49 **Lab ID:** 2312009-06

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**11.3**	**4.7**	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/20/2023 19:04	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
2-Butanone	**2.0**	**0.7**	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Ethanol	**52.9**	**27.8**	1.0		2	12/21/2023 16:10	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/20/2023 19:04	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-6-12072023-49 **Lab ID:** 2312009-06

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 19:04	TO-15/R3QA230
Heptane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Isopropyl alcohol	**6.5**	**2.6**	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Propylene	**1.7**	**1.0**	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Toluene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 19:04	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 19:04	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.92		**99 %**	*80-120*	12/20/2023 12:45	12/20/2023 19:04	*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: P-B-0-12062023-43 **Lab ID:** 2312009-07

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**424**	**177**	7.0		14.1	12/21/2023 20:10	TO-15/R3QA230
Acrolein	**2.8**	**1.2**	0.5	J	1	12/20/2023 19:56	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Bromodichloromethane	**3.4**	**0.5**	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
2-Butanone	**7.5**	**2.5**	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Chloroform	**8.4**	**1.7**	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Chloromethane	**7.5**	**3.6**	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Ethanol	**3070**	**1620**	56.4		112.8	12/21/2023 17:01	TO-15/R3QA230
Ethyl Acetate	**8.7**	**2.4**	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 19:56	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-0-12062023-43 **Lab ID:** 2312009-07

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
4-Ethyltoluene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Freon 113	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Heptane	**2.2**	**0.5**	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Isopropyl alcohol	**368**	**148**	7.0		14.1	12/21/2023 20:10	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Propylene	**37.9**	**21.9**	7.0		14.1	12/21/2023 20:10	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Tetrahydrofuran	**7.3**	**2.5**	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Toluene	**26.3**	**6.9**	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 19:56	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 19:56	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 19:56	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-0-12062023-43 **Lab ID:** 2312009-07

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.98		**100 %**	*80-120*	12/20/2023 12:45	12/20/2023 19:56	*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-1-12062023-37 **Lab ID:** 2312009-08

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**7.3**	**3.0**	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/20/2023 20:49	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Ethanol	**28.9**	**15.2**	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/20/2023 20:49	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-R-1-12062023-37 **Lab ID:** 2312009-08

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 20:49	TO-15/R3QA230
Heptane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Isopropyl alcohol	**3.4**	**1.4**	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Propylene	**1.2**	**0.7**	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Tetrahydrofuran	**4.2**	**1.4**	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Toluene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 20:49	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 20:49	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#

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-1-12062023-37 **Lab ID:** 2312009-08

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.86		**99 %**	*80-120*	12/20/2023 12:45	12/20/2023 20:49	*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-R-2-12062023-38 **Lab ID:** 2312009-09

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**8.0**	**3.3**	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/20/2023 21:41	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Ethanol	**27.5**	**14.5**	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/20/2023 21:41	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-2-12062023-38 **Lab ID:** 2312009-09

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 21:41	TO-15/R3QA230
Heptane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Isopropyl alcohol	**3.4**	**1.4**	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Propylene	**1.3**	**0.8**	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Tetrahydrofuran	**3.9**	**1.3**	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Toluene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 21:41	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 21:41	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#

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-2-12062023-38 **Lab ID:** 2312009-09

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.88		**99 %**	*80-120*	12/20/2023 12:45	12/20/2023 21:41	*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-3-12062023-39 **Lab ID:** 2312009-10

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**6.5**	**2.7**	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/20/2023 22:33	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Chloromethane	**1.0**	**0.5**	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Ethanol	**23.6**	**12.4**	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/20/2023 22:33	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-3-12062023-39 **Lab ID:** 2312009-10

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 22:33	TO-15/R3QA230
Heptane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Isopropyl alcohol	**3.0**	**1.2**	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Propylene	**1.2**	**0.7**	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Tetrahydrofuran	**2.7**	**0.9**	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Toluene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 22:33	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 22:33	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#

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-3-12062023-39 **Lab ID:** 2312009-10

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.90		**99 %**	*80-120*	12/20/2023 12:45	12/20/2023 22:33	*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-3-12062023-40A **Lab ID:** 2312009-11

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 23:26	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/20/2023 23:26	TO-15/R3QA230
Benzene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Chloromethane	**1.2**	**0.6**	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Ethanol	**97.8**	**51.4**	2.5		5	12/21/2023 17:48	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/20/2023 23:26	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-3-12062023-40A **Lab ID:** 2312009-11

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/20/2023 23:26	TO-15/R3QA230
Heptane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Hexane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Isopropyl alcohol	**11.2**	**4.5**	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Propylene	**2.5**	**1.4**	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Styrene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Tetrahydrofuran	**3.8**	**1.3**	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Toluene	**1.9**	**0.5**	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/20/2023 23:26	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/20/2023 23:26	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#

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-3-12062023-40A **Lab ID:** 2312009-11

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.94		**99 %**	*80-120*	12/20/2023 12:45	12/20/2023 23:26	*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-4-12062023-41 **Lab ID:** 2312009-12

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**12.6**	**5.3**	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/21/2023 00:19	TO-15/R3QA230
Benzene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Chloromethane	**1.3**	**0.6**	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Ethanol	**69.9**	**36.8**	2.0		4	12/21/2023 18:35	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/21/2023 00:19	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: P-R-4-12062023-41 **Lab ID:** 2312009-12

Sample Matrix: Air **Date Collected:** 12/07/2023

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	12/21/2023 00:19	TO-15/R3QA230
Heptane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Hexane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Isopropyl alcohol	**7.6**	**3.1**	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Propylene	**2.2**	**1.2**	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Styrene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Toluene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/21/2023 00:19	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/21/2023 00:19	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.92		**99 %**	*80-120*	12/20/2023 12:45	12/21/2023 00:19	*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: P-R-5-12062023-42 **Lab ID:** 2312009-13

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**15.7**	**6.6**	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	12/21/2023 01:11	TO-15/R3QA230
Benzene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Bromoform	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Bromomethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
2-Butanone	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Chloroethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Chloroform	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Chloromethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Ethanol	**104**	**54.8**	2.5		5	12/21/2023 19:23	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Freon 113	U	U	0.5		1	12/21/2023 01:11	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-5-12062023-42 **Lab ID:** 2312009-13

Sample Matrix: Air **Date Collected:** 12/07/2023

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Heptane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Hexane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Isopropyl alcohol	**11.6**	**4.7**	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Naphthalene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Propylene	**2.5**	**1.4**	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Styrene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Tetrahydrofuran	**3.5**	**1.2**	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Toluene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	12/21/2023 01:11	TO-15/R3QA230
o-Xylene	U	U	0.5		1	12/21/2023 01:11	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.89		**99 %**	*80-120*	12/20/2023 12:45	12/21/2023 01:11	*TO-15/R3QA230*

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Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-01					
Station ID:	N-R-1-12072023-44					
Sample Matrix:	Air					
Collected:	12/07/2023					
NA	None Detected	0.0			12/20/2023 14:41	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-02					
Station ID:	N-R-2-12072023-45					
Sample Matrix:	Air					
Collected:	12/07/2023					
NA	None Detected	0.0			12/20/2023 15:34	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-03					
Station ID:	N-R-3-12072023-46					
Sample Matrix:	Air					
Collected:	12/07/2023					
NA	None Detected	0.0			12/20/2023 16:26	TO-15/R3QA230

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Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-04					
Station ID:	N-R-4-12072023-47					
Sample Matrix:	Air					
Collected:	12/07/2023					
106-97-8	Butane	1.1	T	5.17	12/20/2023 17:19	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-05					
Station ID:	N-R-5-12072023-48					
Sample Matrix:	Air					
Collected:	12/07/2023					
106-97-8	Butane	1.3	T	5.17	12/20/2023 18:11	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-06					
Station ID:	N-R-6-12072023-49					
Sample Matrix:	Air					
Collected:	12/07/2023					
75-37-6	Ethane, 1,1-difluoro-	1.1	T	4.16	12/20/2023 19:04	TO-15/R3QA230
106-97-8	Butane	1.5	T	5.16	12/20/2023 19:04	TO-15/R3QA230
306-83-2	Ethane, 2,2-dichloro-1,1,1-...	1.4	T	7.01	12/20/2023 19:04	TO-15/R3QA230

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Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-07					
Station ID:	P-B-0-12062023-43					
Sample Matrix:	Air					
Collected:	12/07/2023					
75-37-6	Ethane, 1,1-difluoro-	95.0	T	4.17	12/20/2023 19:56	TO-15/R3QA230
115-10-6	Dimethyl Ether	4.2	T	4.62	12/20/2023 19:56	TO-15/R3QA230
106-97-8	Butane	40.8	T	5.17	12/20/2023 19:56	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	9.0	T	6.61	12/20/2023 19:56	TO-15/R3QA230
627-21-4	2-Pentyne	2.5	T	7.67	12/20/2023 19:56	TO-15/R3QA230
17302-37-3	Decane, 2,2-dimethyl-	4.1	T	18.95	12/20/2023 19:56	TO-15/R3QA230
5989-27-5	d-Limonene	10.7	T	19.72	12/20/2023 19:56	TO-15/R3QA230
4390-04-9	Nonane, 2,2,4,4,6,8,8-hepta...	2.7	T	23.86	12/20/2023 19:56	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-08					
Station ID:	P-R-1-12062023-37					
Sample Matrix:	Air					
Collected:	12/07/2023					
106-97-8	Butane	1.0	T	5.17	12/20/2023 20:49	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-09					
Station ID:	P-R-2-12062023-38					
Sample Matrix:	Air					
Collected:	12/07/2023					
NA	None Detected	0.0			12/20/2023 21:41	TO-15/R3QA230

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Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-10					
Station ID:	P-R-3-12062023-39					
Sample Matrix:	Air					
Collected:	12/07/2023					
NA	None Detected	0.0			12/20/2023 22:33	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-11					
Station ID:	P-R-3-12062023-40A					
Sample Matrix:	Air					
Collected:	12/07/2023					
106-97-8	Butane	2.3	T	5.17	12/20/2023 23:26	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-12					
Station ID:	P-R-4-12062023-41					
Sample Matrix:	Air					
Collected:	12/07/2023					
106-97-8	Butane	1.6	T	5.17	12/21/2023 00:19	TO-15/R3QA230

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Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2312009-13					
Station ID:	P-R-5-12062023-42					
Sample Matrix:	Air					
Collected:	12/07/2023					
106-97-8	Butane	2.3	T	5.17	12/21/2023 01:11	TO-15/R3QA230

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QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch BL32004 - TO-15 Air

Blank (BL32004-BLK1) Prepared & Analyzed: 12/20/2023 12:58

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	"

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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
Batch BL32004 - TO-15 Air										
Blank (BL32004-BLK1)				Prepared & Analyzed: 12/20/2023 12:58						
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	*9.94*		*"*	*10.000*		*99*	*80-120*			
Blank (BL32004-BLK2)				Prepared & Analyzed: 12/21/2023 12:16						
Acetone	U	0.5	ppbv							
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	"							

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QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch BL32004 - TO-15 Air

Blank (BL32004-BLK2) Prepared & Analyzed: 12/21/2023 12:16

Dibromochloromethane	U	0.5	ppbv
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	"
Trichloroethene	U	0.5	"

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QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BL32004 - TO-15 Air										
Blank (BL32004-BLK2)				Prepared & Analyzed: 12/21/2023 12:16						
Trichlorofluoromethane	U	0.5	ppbv							
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	*9.89*		*"*	*10.000*		*99*	*80-120*			

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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.
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