UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

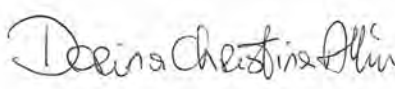
Final Analytical Report

Site Name.....	IVY CITY TO15
Sample Collection Date(s).....	3/19/2024 - 3/20/2024
Contact.....	Howard Schmidt
Report Date.....	05/03/2024 13:34
Project #.....	NSF 791
Work Order.....	2403005

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).

Sample 2403005-04 was received at 0 psig. All analytes were qualified as "J/UJ" for this sample.

2403005 Final Report NSF 791 05/03/2024

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-B-0-03192024-79	2403005-01	Air	3/19/24 08:58	03/19/2024 15:47	03/21/2024 10:01
N-R-1-03192024-75	2403005-02	Air	3/19/24 08:12	03/19/2024 14:54	03/21/2024 10:01
N-R-2-03192024-76	2403005-03	Air	3/19/24 08:17	03/19/2024 14:56	03/21/2024 10:01
N-R-3-03192024-77	2403005-04	Air	3/19/24 08:24	03/19/2024 15:03	03/21/2024 10:01
N-R-4-03192024-78	2403005-05	Air	3/19/24 08:28	03/19/2024 15:05	03/21/2024 10:01
N-R-5-03192024-80	2403005-06	Air	3/19/24 08:21	03/19/2024 14:59	03/21/2024 10:01
P-B-0-03202024-82	2403005-07	Air	3/20/24 09:03	03/20/2024 15:39	03/21/2024 10:01
P-R-1-03202024-84	2403005-08	Air	3/20/24 08:05	03/20/2024 14:36	03/21/2024 10:01
P-R-1-03202024-85A	2403005-09	Air	3/20/24 08:05	03/20/2024 14:36	03/21/2024 10:01
P-R-2-03202024-86	2403005-10	Air	3/20/24 08:08	03/20/2024 14:38	03/21/2024 10:01
P-R-3-03202024-83	2403005-11	Air	3/20/24 08:22	03/20/2024 14:53	03/21/2024 10:01
P-R-4-03202024-81	2403005-12	Air	3/20/24 08:17	03/20/2024 14:50	03/21/2024 10:01
P-R-5-03202024-87	2403005-13	Air	3/20/24 08:13	03/20/2024 14:43	03/21/2024 10:01

USEPA R3
DateShipped: 3/21/2024
CarrierName:
AirbillNo:

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

No: 03212024
Lab: EPA R3 Lab
Lab Contact: Adam Molnar
Lab Phone: 410-305-2676

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Start Flow Rate	Start Pressure	Stop Pressure	Volume	Start_Time	Stop_Time
2403005-01	N-B-0-03192024-79	0	VOCs	Air	3/19/2024	-11	-27	-5	-4499	8:58:00 AM	3:47:00 PM
-02	N-R-1-03192024-75	1	VOCs	Air	3/19/2024	-11.4	-30	-9	-4582.8	8:12:00 AM	2:54:00 PM
-03	N-R-2-03192024-76	2	VOCs	Air	3/19/2024	-11.4	-30	-8	-4548.6	8:17:00 AM	2:56:00 PM
-04	N-R-3-03192024-77	3	VOCs	Air	3/19/2024	-11.8	-30	0	-4708.2	8:24:00 AM	3:03:00 PM
-05	N-R-4-03192024-78	4	VOCs	Air	3/19/2024	-11.9	-30	-7	-4724.3	8:28:00 AM	3:05:00 PM
-06	N-R-5-03192024-80	5	VOCs	Air	3/19/2024	-11.2	-30	-7	-4457.6	8:21:00 AM	2:59:00 PM
-07	P-B-0-03202024-82	0	VOCs	Air	3/20/2024	-10.4	-29.5	-10	-4118.4	9:03:00 AM	3:39:00 PM
-08	P-R-1-03202024-84	1	VOCs	Air	3/20/2024	-11	-30	-10	-4301	8:05:00 AM	2:36:00 PM
-09	P-R-1-03202024-85A	1	VOCs	Air	3/20/2024	-11.6	-30	-3	-4535.6	8:05:00 AM	2:36:00 PM
-10	P-R-2-03202024-86	2	VOCs	Air	3/20/2024	-10.6	-30	-9	-4134	8:08:00 AM	2:38:00 PM
-11	P-R-3-03202024-83	3	VOCs	Air	3/20/2024	-11.6	-30	0	-4535.6	8:22:00 AM	2:53:00 PM
-12	P-R-4-03202024-81	4	VOCs	Air	3/20/2024	-11.3	-30	-8.5	-4440.9	8:17:00 AM	2:50:00 PM
-13	P-R-5-03202024-87	5	VOCs	Air	3/20/2024	-11.3	-30	-7.5	-4407	8:13:00 AM	2:43:00 PM

Special Instructions: all samples delivered by hand to Ft Meade

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
ALL TO TSANKAS		3-21-24/1000	EPA	3-21-24 10.01am	OK. SC 3/25/24

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-B-0-03192024-79 **Lab ID:** 2403005-01

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**3.4**	**1.4**	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Benzene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Ethanol	**8.9**	**4.7**	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Heptane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230

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Fort Meade, Maryland 20755-5350

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

Station ID: N-B-0-03192024-79 **Lab ID:** 2403005-01

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Hexane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Propylene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Styrene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Tetrahydrofuran	**8.8**	**3.0**	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Toluene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/21/2024 14:05	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/21/2024 14:05	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.0		**100 %**	*80-120*	03/21/2024 11:30	03/21/2024 14:05	*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-1-03192024-75 **Lab ID:** 2403005-02

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**4.2**	**1.8**	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Benzene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Chloromethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Ethanol	**8.0**	**4.2**	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Heptane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230

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

Station ID: N-R-1-03192024-75 **Lab ID:** 2403005-02

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Hexane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Isopropyl alcohol	**2.1**	**0.8**	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Propylene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Styrene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Tetrahydrofuran	**14.7**	**4.9**	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Toluene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/21/2024 14:57	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/21/2024 14:57	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.1		**101 %**	*80-120*	03/21/2024 11:30	03/21/2024 14:57	*TO-15/R3QA230*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: N-R-2-03192024-76 **Lab ID:** 2403005-03

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**4.3**	**1.8**	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Benzene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Ethanol	**9.5**	**5.0**	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Heptane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: N-R-2-03192024-76 **Lab ID:** 2403005-03

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Hexane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Isopropyl alcohol	**1.4**	**0.6**	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Propylene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Styrene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Tetrahydrofuran	**8.8**	**3.0**	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Toluene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/21/2024 15:48	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/21/2024 15:48	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.0		**100 %**	*80-120*	03/21/2024 11:30	03/21/2024 15:48	*TO-15/R3QA230*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: N-R-3-03192024-77 **Lab ID:** 2403005-04

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**2.9**	**1.2**	0.5	J	1	03/21/2024 16:40	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Benzene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Benzyl chloride	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Bromodichloromethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Bromoform	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Bromomethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,3-Butadiene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
2-Butanone	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Carbon disulfide	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Chlorobenzene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Chloroethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Chloroform	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Chloromethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Cyclohexane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Dibromochloromethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,4-Dioxane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Ethanol	**13.4**	**7.1**	0.5	J	1	03/21/2024 16:40	TO-15/R3QA230
Ethyl Acetate	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Ethylbenzene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Freon 113	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Heptane	U	U	0.5	UJ	1	03/21/2024 16:40	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-3-03192024-77 **Lab ID:** 2403005-04

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Hexane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
2-Hexanone	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Methylene Chloride	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Naphthalene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Propylene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Styrene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Tetrachloroethene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Tetrahydrofuran	**6.5**	**2.2**	0.5	J	1	03/21/2024 16:40	TO-15/R3QA230
Toluene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Trichloroethene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Vinyl acetate	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
Vinyl chloride	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230
m,p-Xylene	U	U	1.0	UJ	1	03/21/2024 16:40	TO-15/R3QA230
o-Xylene	U	U	0.5	UJ	1	03/21/2024 16:40	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.0		**100 %**	*80-120*	03/21/2024 11:30	03/21/2024 16:40	*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-4-03192024-78 **Lab ID:** 2403005-05

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**3.5**	**1.4**	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Benzene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Ethanol	**6.7**	**3.5**	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Heptane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: N-R-4-03192024-78 **Lab ID:** 2403005-05

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Hexane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Propylene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Styrene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Tetrahydrofuran	**8.6**	**2.9**	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Toluene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/21/2024 17:31	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/21/2024 17:31	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.99		**100 %**	*80-120*	03/21/2024 11:30	03/21/2024 17:31	*TO-15/R3QA230*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: N-R-5-03192024-80 **Lab ID:** 2403005-06

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**5.3**	**2.2**	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Acrolein	**3.4**	**1.5**	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Benzene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Chloromethane	**1.6**	**0.8**	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Ethanol	**11.4**	**6.0**	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Heptane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: N-R-5-03192024-80 **Lab ID:** 2403005-06

Sample Matrix: Air **Date Collected:** 03/19/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Hexane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Propylene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Styrene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Tetrahydrofuran	**8.1**	**2.7**	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Toluene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/21/2024 18:23	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/21/2024 18:23	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.0		**100 %**	*80-120*	03/21/2024 11:30	03/21/2024 18:23	*TO-15/R3QA230*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: P-B-0-03202024-82 **Lab ID:** 2403005-07

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**3.8**	**1.6**	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Benzene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Ethanol	**4.6**	**2.4**	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Heptane	U	U	0.5		1	03/21/2024 19:15	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-0-03202024-82 **Lab ID:** 2403005-07

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Hexane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Propylene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Styrene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Tetrahydrofuran	**2.6**	**0.9**	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Toluene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/21/2024 19:15	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/21/2024 19:15	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.0		**100 %**	*80-120*	03/21/2024 11:30	03/21/2024 19:15	*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-1-03202024-84 **Lab ID:** 2403005-08

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**6.2**	**2.6**	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Benzene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Ethanol	**11.2**	**5.9**	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Heptane	U	U	0.5		1	03/21/2024 20:08	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-1-03202024-84 **Lab ID:** 2403005-08

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Hexane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Propylene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Styrene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Tetrahydrofuran	**6.9**	**2.3**	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Toluene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/21/2024 20:08	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/21/2024 20:08	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.97		**100 %**	*80-120*	03/21/2024 11:30	03/21/2024 20:08	*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-1-03202024-85A **Lab ID:** 2403005-09

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**6.1**	**2.5**	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Benzene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Chloromethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Ethanol	**6.7**	**3.5**	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Heptane	U	U	0.5		1	03/21/2024 20:59	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-1-03202024-85A **Lab ID:** 2403005-09

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Hexane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Isopropyl alcohol	**3.3**	**1.4**	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Propylene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Styrene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Tetrahydrofuran	**2.5**	**0.8**	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Toluene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/21/2024 20:59	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/21/2024 20:59	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.1		**101 %**	*80-120*	03/21/2024 11:30	03/21/2024 20:59	*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-2-03202024-86 **Lab ID:** 2403005-10

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**6.2**	**2.6**	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Benzene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Ethanol	**10.8**	**5.7**	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Heptane	U	U	0.5		1	03/21/2024 21:51	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-2-03202024-86 **Lab ID:** 2403005-10

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Hexane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Propylene	**0.9**	**0.5**	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Styrene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Tetrahydrofuran	**3.0**	**1.0**	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Toluene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/21/2024 21:51	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/21/2024 21:51	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.95		**100 %**	*80-120*	03/21/2024 11:30	03/21/2024 21:51	*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-3-03202024-83 **Lab ID:** 2403005-11

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**5.1**	**2.1**	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Benzene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Ethanol	**12.0**	**6.3**	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Heptane	U	U	0.5		1	03/21/2024 22:43	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-3-03202024-83 **Lab ID:** 2403005-11

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Hexane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Isopropyl alcohol	**1.2**	**0.5**	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Propylene	**1.2**	**0.7**	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Styrene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Tetrahydrofuran	**2.1**	**0.7**	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Toluene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/21/2024 22:43	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/21/2024 22:43	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.0		**100 %**	*80-120*	03/21/2024 11:30	03/21/2024 22:43	*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-4-03202024-81 **Lab ID:** 2403005-12

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**4.5**	**1.9**	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Benzene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Chloromethane	**1.2**	**0.6**	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Ethanol	**9.6**	**5.1**	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Heptane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: P-R-4-03202024-81 **Lab ID:** 2403005-12

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Hexane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Propylene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Styrene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Tetrahydrofuran	**2.4**	**0.8**	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Toluene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/22/2024 10:35	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/22/2024 10:35	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.98		**100 %**	*80-120*	03/21/2024 11:30	03/22/2024 10:35	*TO-15/R3QA230*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: P-R-5-03202024-87 **Lab ID:** 2403005-13

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**4.9**	**2.0**	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Acrolein	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Benzene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Bromoform	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Bromomethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
2-Butanone	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Chloroethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Chloroform	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Ethanol	**2.5**	**1.3**	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Freon 113	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Heptane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: P-R-5-03202024-87 **Lab ID:** 2403005-13

Sample Matrix: Air **Date Collected:** 03/20/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexachlorobutadiene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Hexane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Naphthalene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Propylene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Styrene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Toluene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	03/22/2024 17:07	TO-15/R3QA230
o-Xylene	U	U	0.5		1	03/22/2024 17:07	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.0		**100 %**	*80-120*	03/21/2024 11:30	03/22/2024 17:07	*TO-15/R3QA230*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2403005-01					
Station ID:	N-B-0-03192024-79					
Sample Matrix:	Air					
Collected:	03/19/2024					
NA	None Detected	0.0			03/21/2024 14:05	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2403005-02					
Station ID:	N-R-1-03192024-75					
Sample Matrix:	Air					
Collected:	03/19/2024					
NA	None Detected	0.0			03/21/2024 14:57	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2403005-03					
Station ID:	N-R-2-03192024-76					
Sample Matrix:	Air					
Collected:	03/19/2024					
NA	None Detected	0.0			03/21/2024 15:48	TO-15/R3QA230

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Science Center
Region 3 Laboratory
701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2403005-04					
Station ID:	N-R-3-03192024-77					
Sample Matrix:	Air					
Collected:	03/19/2024					
NA	None Detected	0.0			03/21/2024 16:40	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2403005-05					
Station ID:	N-R-4-03192024-78					
Sample Matrix:	Air					
Collected:	03/19/2024					
NA	None Detected	0.0			03/21/2024 17:31	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2403005-06					
Station ID:	N-R-5-03192024-80					
Sample Matrix:	Air					
Collected:	03/19/2024					
NA	None Detected	0.0			03/21/2024 18:23	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:	2403005-07					
Station ID:	P-B-0-03202024-82					
Sample Matrix:	Air					
Collected:	03/20/2024					
NA	None Detected	0.0			03/21/2024 19:15	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2403005-08					
Station ID:	P-R-1-03202024-84					
Sample Matrix:	Air					
Collected:	03/20/2024					
NA	None Detected	0.0			03/21/2024 20:08	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2403005-09					
Station ID:	P-R-1-03202024-85A					
Sample Matrix:	Air					
Collected:	03/20/2024					
NA	None Detected	0.0			03/21/2024 20:59	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:	2403005-10					
Station ID:	P-R-2-03202024-86					
Sample Matrix:	Air					
Collected:	03/20/2024					
NA	None Detected	0.0			03/21/2024 21:51	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2403005-11					
Station ID:	P-R-3-03202024-83					
Sample Matrix:	Air					
Collected:	03/20/2024					
NA	None Detected	0.0			03/21/2024 22:43	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2403005-12					
Station ID:	P-R-4-03202024-81					
Sample Matrix:	Air					
Collected:	03/20/2024					
106-97-8	Butane	1.2	T	5.16	03/22/2024 10:35	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:	2403005-13					
Station ID:	P-R-5-03202024-87					
Sample Matrix:	Air					
Collected:	03/20/2024					
NA	None Detected	0.0			03/22/2024 17:07	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 BD40401 - TO-15 Air

Blank (BD40401-BLK1) Prepared: 03/21/2024 11:30 Analyzed: 03/21/2024 12:59

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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QC Data
Volatile Organic Compounds

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

Batch BD40401 - TO-15 Air

Blank (BD40401-BLK1) Prepared: 03/21/2024 11:30 Analyzed: 03/21/2024 12:59

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	*10.0*		*"*	*10.000*		*100*	*80-120*			

Blank (BD40401-BLK2) Prepared: 03/21/2024 11:30 Analyzed: 03/22/2024 16:16

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	"							

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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 BD40401 - TO-15 Air

Blank (BD40401-BLK2) Prepared: 03/21/2024 11:30 Analyzed: 03/22/2024 16:16

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	"							

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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 BD40401 - TO-15 Air										
Blank (BD40401-BLK2)				Prepared: 03/21/2024 11:30			Analyzed: 03/22/2024 16:16			
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	*10.0*		*"*	*10.000*		*100*	*80-120*			
LCS (BD40401-BS1)				Prepared: 03/21/2024 11:30			Analyzed: 03/21/2024 12:08			
Acetone	4.99000	0.5	ppbv	5.0000		100	70-130			
Acrolein	5.03000	0.5	"	5.0000		101	70-130			
Benzene	4.97000	0.5	"	5.0000		99	70-130			
Benzyl chloride	5.12000	0.5	"	5.0000		102	70-130			
Bromodichloromethane	5.08000	0.5	"	5.0000		102	70-130			
Bromoform	5.19000	0.5	"	5.0000		104	70-130			
Bromomethane	5.05000	0.5	"	5.0000		101	70-130			
1,3-Butadiene	4.94000	0.5	"	5.0000		99	70-130			
2-Butanone	5.01000	0.5	"	5.0000		100	70-130			
Carbon disulfide	5.02000	0.5	"	5.0000		100	70-130			
Carbon Tetrachloride	5.09000	0.5	"	5.0000		102	70-130			
Chlorobenzene	5.06000	0.5	"	5.0000		101	70-130			
Chloroethane	4.93000	0.5	"	5.0000		99	70-130			
Chloroform	5.01000	0.5	"	5.0000		100	70-130			
Chloromethane	4.95000	0.5	"	5.0000		99	70-130			
Cyclohexane	5.00000	0.5	"	5.0000		100	70-130			
Dibromochloromethane	5.17000	0.5	"	5.0000		103	70-130			
1,2-Dibromoethane (EDB)	5.12000	0.5	"	5.0000		102	70-130			
1,2-Dichlorobenzene	5.04000	0.5	"	5.0000		101	70-130			
1,3-Dichlorobenzene	5.05000	0.5	"	5.0000		101	70-130			
1,4-Dichlorobenzene	5.05000	0.5	"	5.0000		101	70-130			
Dichlorodifluoromethane	5.03000	0.5	"	5.0000		101	70-130			
1,1-Dichloroethane	5.03000	0.5	"	5.0000		101	70-130			
1,2-Dichloroethane	5.10000	0.5	"	5.0000		102	70-130			
1,1-Dichloroethene	5.04000	0.5	"	5.0000		101	70-130			
cis-1,2-Dichloroethene	4.77000	0.5	"	5.0000		95	70-130			
trans-1,2-Dichloroethene	5.07000	0.5	"	5.0000		101	70-130			
1,2-Dichloropropane	5.09000	0.5	"	5.0000		102	70-130			
cis-1,3-Dichloropropene	5.11000	0.5	"	5.0000		102	70-130			
trans-1,3-Dichloropropene	5.13000	0.5	"	5.0000		103	70-130			

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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 BD40401 - TO-15 Air										
LCS (BD40401-BS1)				Prepared: 03/21/2024 11:30		Analyzed: 03/21/2024 12:08				
Dichlorotetrafluoroethane	4.96000	0.5	ppbv	5.0000		99	70-130			
1,4-Dioxane	4.97000	0.5	"	5.0000		99	70-130			
Ethanol	4.95000	0.5	"	5.0000		99	70-130			
Ethyl Acetate	5.05000	0.5	"	5.0000		101	70-130			
Ethylbenzene	5.02000	0.5	"	5.0000		100	70-130			
4-Ethyltoluene	5.02000	0.5	"	5.0000		100	70-130			
Freon 113	5.02000	0.5	"	5.0000		100	70-130			
Heptane	5.06000	0.5	"	5.0000		101	70-130			
Hexachlorobutadiene	5.11000	0.5	"	5.0000		102	70-130			
Hexane	5.00000	0.5	"	5.0000		100	70-130			
2-Hexanone	5.08000	0.5	"	5.0000		102	70-130			
Isopropyl alcohol	5.07000	0.5	"	5.0000		101	70-130			
Methyl Methacrylate	5.04000	0.5	"	5.0000		101	70-130			
Methyl tert-Butyl Ether	5.04000	0.5	"	5.0000		101	70-130			
4-Methyl-2-pentanone	5.05000	0.5	"	5.0000		101	70-130			
Methylene Chloride	4.97000	0.5	"	5.0000		99	70-130			
Naphthalene	5.09000	0.5	"	5.0000		102	70-130			
Propylene	5.06000	0.5	"	5.0000		101	70-130			
Styrene	5.01000	0.5	"	5.0000		100	70-130			
1,1,2,2-Tetrachloroethane	5.02000	0.5	"	5.0000		100	70-130			
Tetrachloroethene	5.05000	0.5	"	5.0000		101	70-130			
Tetrahydrofuran	4.99000	0.5	"	5.0000		100	70-130			
Toluene	5.03000	0.5	"	5.0000		101	70-130			
1,2,4-Trichlorobenzene	5.22000	0.5	"	5.0000		104	70-130			
1,1,1-Trichloroethane	4.99000	0.5	"	5.0000		100	70-130			
1,1,2-Trichloroethane	5.04000	0.5	"	5.0000		101	70-130			
Trichloroethene	5.02000	0.5	"	5.0000		100	70-130			
Trichlorofluoromethane	5.03000	0.5	"	5.0000		101	70-130			
1,2,4-Trimethylbenzene	5.02000	0.5	"	5.0000		100	70-130			
1,3,5-Trimethylbenzene	5.02000	0.5	"	5.0000		100	70-130			
Vinyl acetate	5.10000	0.5	"	5.0000		102	70-130			
Vinyl chloride	4.87000	0.5	"	5.0000		97	70-130			
m,p-Xylene	10.0200	1.0	"	10.000		100	70-130			
o-Xylene	4.97000	0.5	"	5.0000		99	70-130			
Surrogate: 4-Bromofluorobenzene	*10.1*		*"*	*10.000*		*101*	*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