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).....	8/13/2024 - 8/13/2024
Contact.....	Howard Schmidt
Report Date.....	09/27/2024 14:53
Project #.....	NSF 791
Work Order.....	2408005

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).

Percent recovery results for 1,2,4-Trichlorobenzene, Naphthalene, and Hexachlorobutadiene are below the acceptance limit in the second-source calibration verification; therefore, quantitation limits for all samples are qualified as biased low (UL) for these analytes.

2408005 Final Report NSF 791 09/27/2024

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
P-C-9-08132024-110	2408005-01	Air	08/13/2024 08:30	08/13/2024 15:03	08/14/2024 09:33
P-C-8-08132024-109	2408005-02	Air	08/13/2024 08:12	08/13/2024 14:46	08/14/2024 09:33
P-C-7-08132024-108	2408005-03	Air	08/13/2024 08:22	08/13/2024 14:53	08/14/2024 09:33
P-C-6-08132024-107	2408005-04	Air	08/13/2024 08:16	08/13/2024 14:50	08/14/2024 09:33
P-R-1-08132024-106	2408005-05	Air	08/13/2024 08:24	08/13/2024 14:56	08/14/2024 09:33
P-B-0-08132024-112A	2408005-06	Air	08/13/2024 09:00	08/13/2024 15:38	08/14/2024 09:33
P-B-0-08132024-111	2408005-07	Air	08/13/2024 09:00	08/13/2024 15:38	08/14/2024 09:33

USEPA R3
DateShipped: 8/13/2024
CarrierName:
AirbillNo:

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

No: 08132024
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
2408005											
-01	P-C-9-08132024-110	9	VOCs	Air	8/13/2024	8.4	-30	-13.5	3301	8:30:00 AM	3:03:00 PM
-02	P-C-8-08132024-109	8	VOCs	Air	8/13/2024	9.1	-30	-12	3601	8:12:00 AM	2:46:00 PM
-03	P-C-7-08132024-108	7	VOCs	Air	8/13/2024	N/A HS	30	0	6000	8:22:00 AM	2:53:00 PM
-04	P-C-6-08132024-107	6	VOCs	Air	8/13/2024	10.7	-30	-9	4200	8:16:00 AM	2:50:00 PM
-05	P-R-1-08132024-106	1	VOCs	Air	8/13/2024	10.7	-30	-9	4194	8:24:00 AM	2:56:00 PM
-06	P-B-0-08132024-112A	0	VOCs	Air	8/13/2024	9.8	-30	-10.5	3900	9:00:00 AM	3:38:00 PM
-07	P-B-0-08132024-111	0	VOCs	Air	8/13/2024	9.3	-30	-11.5	3701	9:00:00 AM	3:38:00 PM

SF 8/14/2024

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-15	EPA R3	8-14-24	J. Elliott EPA R3	8-14-24 9:33am	intact

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

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

Station ID: P-C-9-08132024-110 **Lab ID:** 2408005-01

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds

Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**7.2**	**3.0**	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Acrolein	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Benzene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Bromoform	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Bromomethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
2-Butanone	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Chloroethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Chloroform	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Chloromethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Ethanol	**16.7**	**8.8**	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Freon 113	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Heptane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5	UL	1	08/16/2024 15:05	TO-15/R3QA230

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: P-C-9-08132024-110 **Lab ID:** 2408005-01

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Isopropyl alcohol	**1.4**	**0.6**	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Naphthalene	U	U	0.5	UL	1	08/16/2024 15:05	TO-15/R3QA230
Propylene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Styrene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Toluene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5	UL	1	08/16/2024 15:05	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	08/16/2024 15:05	TO-15/R3QA230
o-Xylene	U	U	0.5		1	08/16/2024 15:05	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.95		**100 %**	*80-120*	08/16/2024 13:00	08/16/2024 15:05	*TO-15/R3QA230*

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

Station ID: P-C-8-08132024-109 **Lab ID:** 2408005-02

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds

Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**8.5**	**3.6**	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Acrolein	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Benzene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Bromoform	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Bromomethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
2-Butanone	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Chloroethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Chloroform	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Chloromethane	**1.2**	**0.6**	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Ethanol	**35.0**	**18.4**	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Freon 113	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Heptane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5	UL	1	08/16/2024 15:59	TO-15/R3QA230

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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701 Mapes Road
Fort Meade, Maryland 20755-5350

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

Station ID: P-C-8-08132024-109 **Lab ID:** 2408005-02

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Isopropyl alcohol	**2.0**	**0.8**	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Naphthalene	U	U	0.5	UL	1	08/16/2024 15:59	TO-15/R3QA230
Propylene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Styrene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Toluene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5	UL	1	08/16/2024 15:59	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	08/16/2024 15:59	TO-15/R3QA230
o-Xylene	U	U	0.5		1	08/16/2024 15:59	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.96		**100 %**	*80-120*	08/16/2024 13:00	08/16/2024 15:59	*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-C-7-08132024-108 **Lab ID:** 2408005-03

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds

Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**52.2**	**21.8**	1.0		2	08/16/2024 21:10	TO-15/R3QA230
Acrolein	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Benzene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Bromoform	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Bromomethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
2-Butanone	**2.1**	**0.7**	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Chloroethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Chloroform	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Chloromethane	**1.1**	**0.5**	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Ethanol	**72.9**	**38.4**	1.0		2	08/16/2024 21:10	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Freon 113	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Heptane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5	UL	1	08/16/2024 16:51	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-C-7-08132024-108 **Lab ID:** 2408005-03

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexane	**3.3**	**0.9**	0.5		1	08/16/2024 16:51	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Isopropyl alcohol	**22.6**	**9.1**	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Naphthalene	U	U	0.5	UL	1	08/16/2024 16:51	TO-15/R3QA230
Propylene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Styrene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Toluene	**3.3**	**0.9**	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5	UL	1	08/16/2024 16:51	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230
m,p-Xylene	**3.5**	**0.8**	1.0	J	1	08/16/2024 16:51	TO-15/R3QA230
o-Xylene	U	U	0.5		1	08/16/2024 16:51	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	10.0		**100 %**	*80-120*	08/16/2024 13:00	08/16/2024 16:51	*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-C-6-08132024-107 **Lab ID:** 2408005-04

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds

Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**6.3**	**2.6**	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Acrolein	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Benzene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Bromoform	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Bromomethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
2-Butanone	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Chloroethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Chloroform	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Chloromethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Ethanol	**16.9**	**8.9**	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Freon 113	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Heptane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5	UL	1	08/16/2024 17:43	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-C-6-08132024-107 **Lab ID:** 2408005-04

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Isopropyl alcohol	**2.1**	**0.8**	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Naphthalene	U	U	0.5	UL	1	08/16/2024 17:43	TO-15/R3QA230
Propylene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Styrene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Toluene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5	UL	1	08/16/2024 17:43	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	08/16/2024 17:43	TO-15/R3QA230
o-Xylene	U	U	0.5		1	08/16/2024 17:43	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.92		**99 %**	*80-120*	08/16/2024 13:00	08/16/2024 17:43	*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-1-08132024-106 **Lab ID:** 2408005-05

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds

Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**11.1**	**4.6**	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Acrolein	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Benzene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Bromoform	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Bromomethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
2-Butanone	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Chloroethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Chloroform	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Chloromethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Ethanol	**21.0**	**11.0**	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Freon 113	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Heptane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5	UL	1	08/16/2024 18:35	TO-15/R3QA230

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

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

Station ID: P-R-1-08132024-106 **Lab ID:** 2408005-05

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Isopropyl alcohol	**3.1**	**1.3**	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Naphthalene	U	U	0.5	UL	1	08/16/2024 18:35	TO-15/R3QA230
Propylene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Styrene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Toluene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5	UL	1	08/16/2024 18:35	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	08/16/2024 18:35	TO-15/R3QA230
o-Xylene	U	U	0.5		1	08/16/2024 18:35	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.99		**100 %**	*80-120*	08/16/2024 13:00	08/16/2024 18:35	*TO-15/R3QA230*

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

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

Station ID: P-B-0-08132024-112A **Lab ID:** 2408005-06

Sample Matrix: Air **Date Collected:** 08/13/2024

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	08/16/2024 19:28	TO-15/R3QA230
Acrolein	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Benzene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Bromoform	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Bromomethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
2-Butanone	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Chloroethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Chloroform	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Chloromethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Ethanol	**7.5**	**4.0**	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Freon 113	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Heptane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5	UL	1	08/16/2024 19:28	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-0-08132024-112A **Lab ID:** 2408005-06

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Isopropyl alcohol	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Naphthalene	U	U	0.5	UL	1	08/16/2024 19:28	TO-15/R3QA230
Propylene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Styrene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Toluene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5	UL	1	08/16/2024 19:28	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	08/16/2024 19:28	TO-15/R3QA230
o-Xylene	U	U	0.5		1	08/16/2024 19:28	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.91		**99 %**	*80-120*	08/16/2024 13:00	08/16/2024 19:28	*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-0-08132024-111 **Lab ID:** 2408005-07

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds

Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	**6.7**	**2.8**	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Acrolein	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Benzene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Bromoform	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Bromomethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
2-Butanone	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Carbon disulfide	**5.7**	**1.8**	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Chloroethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Chloroform	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Chloromethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Ethanol	**7.2**	**3.8**	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Freon 113	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Heptane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5	UL	1	08/16/2024 20:22	TO-15/R3QA230

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

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

Station ID: P-B-0-08132024-111 **Lab ID:** 2408005-07

Sample Matrix: Air **Date Collected:** 08/13/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Hexane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Isopropyl alcohol	**1.5**	**0.6**	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Naphthalene	U	U	0.5	UL	1	08/16/2024 20:22	TO-15/R3QA230
Propylene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Styrene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Tetrahydrofuran	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Toluene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5	UL	1	08/16/2024 20:22	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	08/16/2024 20:22	TO-15/R3QA230
o-Xylene	U	U	0.5		1	08/16/2024 20:22	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.96		**100 %**	*80-120*	08/16/2024 13:00	08/16/2024 20:22	*TO-15/R3QA230*

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

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

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2408005-01					
Station ID:	P-C-9-08132024-110					
Sample Matrix:	Air					
Collected:	08/13/2024					
NA	None Detected	0.0			08/16/2024 15:05	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2408005-02					
Station ID:	P-C-8-08132024-109					
Sample Matrix:	Air					
Collected:	08/13/2024					
78-78-4	Butane, 2-methyl-	2.2	T	6.56	08/16/2024 15:59	TO-15/R3QA230
109-66-0	Pentane	2.2	T	7.23	08/16/2024 15:59	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2408005-03					
Station ID:	P-C-7-08132024-108					
Sample Matrix:	Air					
Collected:	08/13/2024					
106-97-8	Butane	2.8	T	5.12	08/16/2024 16:51	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	4.9	T	6.56	08/16/2024 16:51	TO-15/R3QA230
109-66-0	Pentane	2.8	T	7.23	08/16/2024 16:51	TO-15/R3QA230
107-83-5	Pentane, 2-methyl-	1.5	T	9.21	08/16/2024 16:51	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**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2408005-04					
Station ID:	P-C-6-08132024-107					
Sample Matrix:	Air					
Collected:	08/13/2024					
NA	None Detected	0.0			08/16/2024 17:43	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2408005-05					
Station ID:	P-R-1-08132024-106					
Sample Matrix:	Air					
Collected:	08/13/2024					
NA	None Detected	0.0			08/16/2024 18:35	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2408005-06					
Station ID:	P-B-0-08132024-112A					
Sample Matrix:	Air					
Collected:	08/13/2024					
598-25-4	1,2-Butadiene, 3-methyl-	1.2	T	7.63	08/16/2024 19:28	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:	2408005-07					
Station ID:	P-B-0-08132024-111					
Sample Matrix:	Air					
Collected:	08/13/2024					
627-21-4	2-Pentyne	1.1	T	7.63	08/16/2024 20:22	TO-15/R3QA230

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

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

QC Data
Volatile Organic Compounds

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

Batch BH42108 - TO-15 Air

Blank (BH42108-BLK1) Prepared: 08/16/2024 13:00 Analyzed: 08/16/2024 14:08

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	"							

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

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

QC Data

Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH42108 - TO-15 Air										
Blank (BH42108-BLK1)				Prepared: 08/16/2024 13:00		Analyzed: 08/16/2024 14:08				
2-Hexanone	U	0.5	ppbv							
Isopropyl alcohol	U	0.5	"							
Methyl Methacrylate	U	0.5	"							
Methyl tert-Butyl Ether	U	0.5	"							
4-Methyl-2-pentanone	U	0.5	"							
Methylene Chloride	U	0.5	"							
Naphthalene	U	0.5	"							
Propylene	U	0.5	"							
Styrene	U	0.5	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Tetrahydrofuran	U	0.5	"							
Toluene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m,p-Xylene	U	1.0	"							
o-Xylene	U	0.5	"							
Surrogate: 4-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99*	*80-120*			
LCS (BH42108-BS1)				Prepared & Analyzed: 08/16/2024 13:17						
Acetone	4.85000	0.5	ppbv	5.00		97	70-130			
Acrolein	4.94000	0.5	"	5.00		99	70-130			
Benzene	4.93000	0.5	"	5.00		99	70-130			
Benzyl chloride	4.98000	0.5	"	5.00		100	70-130			
Bromodichloromethane	4.99000	0.5	"	5.00		100	70-130			
Bromoform	5.02000	0.5	"	5.00		100	70-130			
Bromomethane	4.89000	0.5	"	5.00		98	70-130			
1,3-Butadiene	4.88000	0.5	"	5.00		98	70-130			
2-Butanone	4.93000	0.5	"	5.00		99	70-130			
Carbon disulfide	4.96000	0.5	"	5.00		99	70-130			
Carbon Tetrachloride	4.96000	0.5	"	5.00		99	70-130			
Chlorobenzene	4.95000	0.5	"	5.00		99	70-130			
Chloroethane	4.88000	0.5	"	5.00		98	70-130			
Chloroform	4.90000	0.5	"	5.00		98	70-130			
Chloromethane	4.78000	0.5	"	5.00		96	70-130			
Cyclohexane	4.94000	0.5	"	5.00		99	70-130			

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

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

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH42108 - TO-15 Air										
LCS (BH42108-BS1)				Prepared & Analyzed: 08/16/2024 13:17						
Dibromochloromethane	5.02000	0.5	ppbv	5.00		100	70-130			
1,2-Dibromoethane (EDB)	4.99000	0.5	"	5.00		100	70-130			
1,2-Dichlorobenzene	4.95000	0.5	"	5.00		99	70-130			
1,3-Dichlorobenzene	4.94000	0.5	"	5.00		99	70-130			
1,4-Dichlorobenzene	4.92000	0.5	"	5.00		98	70-130			
Dichlorodifluoromethane	4.92000	0.5	"	5.00		98	70-130			
1,1-Dichloroethane	4.91000	0.5	"	5.00		98	70-130			
1,2-Dichloroethane	4.98000	0.5	"	5.00		100	70-130			
1,1-Dichloroethene	4.90000	0.5	"	5.00		98	70-130			
cis-1,2-Dichloroethene	4.67000	0.5	"	5.00		93	70-130			
trans-1,2-Dichloroethene	4.93000	0.5	"	5.00		99	70-130			
1,2-Dichloropropane	4.91000	0.5	"	5.00		98	70-130			
cis-1,3-Dichloropropene	5.01000	0.5	"	5.00		100	70-130			
trans-1,3-Dichloropropene	5.04000	0.5	"	5.00		101	70-130			
Dichlorotetrafluoroethane	4.78000	0.5	"	5.00		96	70-130			
1,4-Dioxane	5.11000	0.5	"	5.00		102	70-130			
Ethanol	4.93000	0.5	"	5.00		99	70-130			
Ethyl Acetate	4.92000	0.5	"	5.00		98	70-130			
Ethylbenzene	4.94000	0.5	"	5.00		99	70-130			
4-Ethyltoluene	4.94000	0.5	"	5.00		99	70-130			
Freon 113	4.89000	0.5	"	5.00		98	70-130			
Heptane	4.94000	0.5	"	5.00		99	70-130			
Hexachlorobutadiene	4.94000	0.5	"	5.00		99	70-130			
Hexane	4.90000	0.5	"	5.00		98	70-130			
2-Hexanone	5.00000	0.5	"	5.00		100	70-130			
Isopropyl alcohol	4.78000	0.5	"	5.00		96	70-130			
Methyl Methacrylate	5.02000	0.5	"	5.00		100	70-130			
Methyl tert-Butyl Ether	4.87000	0.5	"	5.00		97	70-130			
4-Methyl-2-pentanone	4.99000	0.5	"	5.00		100	70-130			
Methylene Chloride	4.79000	0.5	"	5.00		96	70-130			
Naphthalene	5.03000	0.5	"	5.00		101	70-130			
Propylene	4.65000	0.5	"	5.00		93	70-130			
Styrene	5.00000	0.5	"	5.00		100	70-130			
1,1,2,2-Tetrachloroethane	4.97000	0.5	"	5.00		99	70-130			
Tetrachloroethene	4.92000	0.5	"	5.00		98	70-130			
Tetrahydrofuran	4.90000	0.5	"	5.00		98	70-130			
Toluene	4.92000	0.5	"	5.00		98	70-130			
1,2,4-Trichlorobenzene	5.07000	0.5	"	5.00		101	70-130			
1,1,1-Trichloroethane	4.91000	0.5	"	5.00		98	70-130			
1,1,2-Trichloroethane	4.93000	0.5	"	5.00		99	70-130			
Trichloroethene	4.93000	0.5	"	5.00		99	70-130			
Trichlorofluoromethane	4.93000	0.5	"	5.00		99	70-130			
1,2,4-Trimethylbenzene	4.92000	0.5	"	5.00		98	70-130			

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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 BH42108 - TO-15 Air										
LCS (BH42108-BS1)				Prepared & Analyzed: 08/16/2024 13:17						
1,3,5-Trimethylbenzene	4.92000	0.5	ppbv	5.00		98	70-130			
Vinyl acetate	4.98000	0.5	"	5.00		100	70-130			
Vinyl chloride	4.80000	0.5	"	5.00		96	70-130			
m,p-Xylene	9.89000	1.0	"	10.0		99	70-130			
o-Xylene	4.90000	0.5	"	5.00		98	70-130			
Surrogate: 4-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*80-120*			

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Notes and Definitions

Results apply only to the samples tested as received.

UL	The analyte was not detected. The quantitation limit is probably higher due to indications of a low bias.
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

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