



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Final Analytical Report

Site Name.....	IVY CITY TO15
Sample Collection Date(s).....	1/27/2024 - 1/27/2024
Contact.....	Howard Schmidt
Report Date.....	03/15/2024 11:43
Project #.....	NSF 791
Work Order.....	2401015

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

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Site Name: IVY CITY TO15

Project #: NSF 791

Report Narrative

VOC Air Analysis Note:

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

Second Calibration Verification: m/p Xylene, Styrene, o-Xylene, Bromoform, 1,1,2,2-Tetrachloroethane, 4-Ethyltoluene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3-Dichlorobenzene, Benzyl Chloride, 1,4-Dichlorobenzene, and 1,2-Dichlorobenzene were above the acceptance criteria limit (30%). Sample 2401015-05 was qualified as "K" for m/p Xylene and o-Xylene.

Acrolein is not present in the second source standard. All samples are qualified as "UJ" for Acrolein.

2401015 Final Report NSF 791 03/15/2024



Site Name:	IVY CITY TO15	Project #:	NSF 791
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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled Begin	Date Sampled End	Date Received
W-B-0-01272024-74	2401015-01	Air	1/27/24 09:03	01/27/2024 15:08	01/30/2024 14:23
W-C-6-01272024-70	2401015-02	Air	1/27/24 08:20	01/27/2024 15:50	01/30/2024 14:23
W-C-7-01272024-71	2401015-03	Air	1/27/24 08:24	01/27/2024 15:54	01/30/2024 14:23
W-C-8-01272024-73	2401015-04	Air	1/27/24 08:13	01/27/2024 15:46	01/30/2024 14:23
W-C-9-01272024-72	2401015-05	Air	1/27/24 08:33	01/27/2024 15:42	01/30/2024 14:23
W-R-1-01272024-69	2401015-06	Air	1/27/24 08:27	01/27/2024 15:57	01/30/2024 14:23

USEPA R3

DateShipped: 1/29/2024

CarrierName: UPS

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 000

Contact Name: Howard Schmidt

Contact Phone: 215-814-2133

No: 01272024

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
2401015-01	W-B-0-01272024-74	0	VOCs	Air	1/27/2024	-11.5	-30	-11	-4197.5	9:03:00 AM	3:08:00 PM
-02	W-C-6-01272024-70	6	VOCs	Air	1/27/2024	-12	-30	-6	-5400	8:20:00 AM	3:50:00 PM
-03	W-C-7-01272024-71	7	VOCs	Air	1/27/2024	-11.6	-30	-5	-5220	8:24:00 AM	3:54:00 PM
-04	W-C-8-01272024-73	8	VOCs	Air	1/27/2024	-11.2	-30	-6	-5073.6	8:13:00 AM	3:46:00 PM
-05	W-C-9-01272024-72	9	VOCs	Air	1/27/2024	-11.3	-30	-7	-4847.7	8:33:00 AM	3:42:00 PM
-06	W-R-1-01272024-69	1	VOCs	Air	1/27/2024	-11.8	-30	-6	-5310	8:27:00 AM	3:57:00 PM

Special Instructions: six canisters in three cases

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
TO-15 all/ANMYSU	R3 EPA	1-29-24 1300	EPA	1-30-24/14:23	all intact



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-B-0-01272024-74**Lab ID:** 2401015-01**Sample Matrix:** Air**Date Collected:** 01/27/2024

**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	02/08/2024 05:45	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 05:45	TO-15/R3QA230
Benzene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Chloromethane	1.1	0.6	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Ethanol	6.0	3.2	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-B-0-01272024-74**Lab ID:** 2401015-01**Sample Matrix:** Air**Date Collected:** 01/27/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Heptane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Hexane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Isopropyl alcohol	1.5	0.6	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Propylene	1.8	1.0	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Styrene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Tetrahydrofuran	2.9	1.0	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Toluene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	02/08/2024 05:45	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/08/2024 05:45	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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Site Name: IVY CITY TO15

Project #: NSF 791

Station ID: W-B-0-01272024-74

Lab ID: 2401015-01

Sample Matrix: Air

Date Collected: 01/27/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.70		97 %	80-120	02/07/2024 15:36	02/08/2024 05:45	TO-15/R3QA230



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-C-6-01272024-70**Lab ID:** 2401015-02**Sample Matrix:** Air**Date Collected:** 01/27/2024**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	6.9	2.9	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 06:36	TO-15/R3QA230
Benzene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Chloromethane	1.2	0.6	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Ethanol	34.1	17.9	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230



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**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-C-6-01272024-70**Lab ID:** 2401015-02**Sample Matrix:** Air**Date Collected:** 01/27/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Heptane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Hexane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Isopropyl alcohol	1.6	0.6	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Propylene	2.6	1.5	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Styrene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Tetrahydrofuran	2.3	0.8	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Toluene	3.4	0.9	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230
m,p-Xylene	U	U	1.0		1	02/08/2024 06:36	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/08/2024 06:36	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Site Name: IVY CITY TO15

Project #: NSF 791

Station ID: W-C-6-01272024-70

Lab ID: 2401015-02

Sample Matrix: Air

Date Collected: 01/27/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.71		97 %	80-120	02/07/2024 15:36	02/08/2024 06:36	TO-15/R3QA230



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-C-7-01272024-71**Lab ID:** 2401015-03**Sample Matrix:** Air**Date Collected:** 01/27/2024**Volatile Organic Compounds
Targets**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	7.1	3.0	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 07:27	TO-15/R3QA230
Benzene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Chloromethane	1.2	0.6	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Ethanol	23.5	12.4	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-C-7-01272024-71**Lab ID:** 2401015-03**Sample Matrix:** Air**Date Collected:** 01/27/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Heptane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Hexane	1.8	0.5	0.5		1	02/08/2024 07:27	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Isopropyl alcohol	1.9	0.8	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Propylene	3.4	1.9	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Styrene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Tetrahydrofuran	1.8	0.6	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Toluene	4.4	1.2	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230
m,p-Xylene	3.0	0.7	1.0	J	1	02/08/2024 07:27	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/08/2024 07:27	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Site Name: IVY CITY TO15

Project #: NSF 791

Station ID: W-C-7-01272024-71

Lab ID: 2401015-03

Sample Matrix: Air

Date Collected: 01/27/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.75		98 %	80-120	02/07/2024 15:36	02/08/2024 07:27	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-C-8-01272024-73**Lab ID:** 2401015-04**Sample Matrix:** Air**Date Collected:** 01/27/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	8.8	3.7	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 08:17	TO-15/R3QA230
Benzene	1.8	0.6	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
2-Butanone	1.8	0.6	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Chloromethane	1.1	0.6	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Ethanol	42.3	22.2	1.0		2	02/08/2024 20:07	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-C-8-01272024-73**Lab ID:** 2401015-04**Sample Matrix:** Air**Date Collected:** 01/27/2024

Volatile Organic Compounds
Targets (Continued)

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Heptane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Hexane	2.4	0.7	0.5		1	02/08/2024 08:17	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Isopropyl alcohol	3.7	1.5	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Propylene	3.4	2.0	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Styrene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Tetrahydrofuran	3.2	1.1	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Toluene	4.7	1.2	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230
m,p-Xylene	2.6	0.6	1.0	J	1	02/08/2024 08:17	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/08/2024 08:17	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Site Name: IVY CITY TO15

Project #: NSF 791

Station ID: W-C-8-01272024-73

Lab ID: 2401015-04

Sample Matrix: Air

Date Collected: 01/27/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.71		97 %	80-120	02/07/2024 15:36	02/08/2024 08:17	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

**Site Name:** IVY CITY TO15**Project #:** NSF 791**Station ID:** W-C-9-01272024-72**Lab ID:** 2401015-05**Sample Matrix:** Air**Date Collected:** 01/27/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	40.2	16.8	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 09:08	TO-15/R3QA230
Benzene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Chloromethane	1.5	0.7	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Ethanol	71.6	37.7	2.0		4	02/08/2024 20:53	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Ethylbenzene	2.8	0.6	0.5		1	02/08/2024 09:08	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/08/2024 09:08	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:** W-C-9-01272024-72**Lab ID:** 2401015-05**Sample Matrix:** Air**Date Collected:** 01/27/2024**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Heptane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Hexane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Isopropyl alcohol	2.1	0.9	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Propylene	5.0	2.9	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Styrene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Tetrahydrofuran	3.4	1.1	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Toluene	3.1	0.8	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/08/2024 09:08	TO-15/R3QA230
m,p-Xylene	14.9	3.4	1.0	K	1	02/08/2024 09:08	TO-15/R3QA230
o-Xylene	2.6	0.6	0.5	K	1	02/08/2024 09:08	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Site Name: IVY CITY TO15

Project #: NSF 791

Station ID: W-C-9-01272024-72

Lab ID: 2401015-05

Sample Matrix: Air

Date Collected: 01/27/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.69		97 %	80-120	02/07/2024 15:36	02/08/2024 09:08	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:** W-R-1-01272024-69**Lab ID:** 2401015-06**Sample Matrix:** Air**Date Collected:** 01/27/2024

Volatile Organic Compounds
Targets

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Acetone	7.7	3.2	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Acrolein	U	U	0.5	UJ	1	02/08/2024 09:59	TO-15/R3QA230
Benzene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Benzyl chloride	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Bromodichloromethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Bromoform	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Bromomethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,3-Butadiene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
2-Butanone	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Carbon disulfide	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Carbon Tetrachloride	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Chlorobenzene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Chloroethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Chloroform	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Chloromethane	1.2	0.6	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Cyclohexane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Dibromochloromethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,2-Dibromoethane (EDB)	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,2-Dichlorobenzene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,3-Dichlorobenzene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,4-Dichlorobenzene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Dichlorodifluoromethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,1-Dichloroethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,2-Dichloroethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,1-Dichloroethene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
cis-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
trans-1,2-Dichloroethene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,2-Dichloropropane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
cis-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
trans-1,3-Dichloropropene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Dichlorotetrafluoroethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,4-Dioxane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Ethanol	20.4	10.7	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Ethyl Acetate	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Ethylbenzene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
4-Ethyltoluene	U	U	0.5		1	02/08/2024 09:59	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:** W-R-1-01272024-69**Lab ID:** 2401015-06**Sample Matrix:** Air**Date Collected:** 01/27/2024

**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result µg/m3	Result ppbv	Quantitation Limit ppbv	Flags Qualifiers	Dilution	Analyzed	Method/SOP#
Freon 113	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Heptane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Hexachlorobutadiene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Hexane	1.8	0.5	0.5		1	02/08/2024 09:59	TO-15/R3QA230
2-Hexanone	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Isopropyl alcohol	2.3	0.9	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Methyl Methacrylate	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Methyl tert-Butyl Ether	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
4-Methyl-2-pentanone	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Methylene Chloride	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Naphthalene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Propylene	2.8	1.6	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Styrene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,1,2,2-Tetrachloroethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Tetrachloroethene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Tetrahydrofuran	3.6	1.2	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Toluene	3.7	1.0	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,2,4-Trichlorobenzene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,1,1-Trichloroethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,1,2-Trichloroethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Trichloroethene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Trichlorofluoromethane	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,2,4-Trimethylbenzene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
1,3,5-Trimethylbenzene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Vinyl acetate	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
Vinyl chloride	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230
m,p-Xylene	2.3	0.5	1.0	J	1	02/08/2024 09:59	TO-15/R3QA230
o-Xylene	U	U	0.5		1	02/08/2024 09:59	TO-15/R3QA230

Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Site Name: IVY CITY TO15

Project #: NSF 791

Station ID: W-R-1-01272024-69

Lab ID: 2401015-06

Sample Matrix: Air

Date Collected: 01/27/2024

Volatile Organic Compounds
Surrogates

Analyte	Result ppbv	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	9.69		97 %	80-120	02/07/2024 15:36	02/08/2024 09:59	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

Tentatively Identified Compound (TIC) Report
Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID: 2401015-01						
Station ID: W-B-0-01272024-74						
Sample Matrix: Air						
Collected: 01/27/2024						
106-97-8	Butane	1.1	T	5.16	02/08/2024 05:45	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID: 2401015-02						
Station ID: W-C-6-01272024-70						
Sample Matrix: Air						
Collected: 01/27/2024						
106-97-8	Butane	2.1	T	5.16	02/08/2024 06:36	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	1.2	T	6.61	02/08/2024 06:36	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID: 2401015-03						
Station ID: W-C-7-01272024-71						
Sample Matrix: Air						
Collected: 01/27/2024						
106-97-8	Butane	2.2	T	5.16	02/08/2024 07:27	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	1.5	T	6.61	02/08/2024 07:27	TO-15/R3QA230



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Site Name: IVY CITY TO15

Project #: NSF 791

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2401015-04					
Station ID:	W-C-8-01272024-73					
Sample Matrix:	Air					
Collected:	01/27/2024					
106-97-8	Butane	2.6	T	5.14	02/08/2024 08:17	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	1.8	T	6.59	02/08/2024 08:17	TO-15/R3QA230
109-66-0	Pentane	2.6	T	7.31	02/08/2024 08:17	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2401015-05					
Station ID:	W-C-9-01272024-72					
Sample Matrix:	Air					
Collected:	01/27/2024					
106-97-8	Butane	5.6	T	5.17	02/08/2024 09:08	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	1.7	T	6.61	02/08/2024 09:08	TO-15/R3QA230

Volatile Organic Compounds

CAS Number	Compound	Result ppbv	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	2401015-06					
Station ID:	W-R-1-01272024-69					
Sample Matrix:	Air					
Collected:	01/27/2024					
106-97-8	Butane	2.1	T	5.16	02/08/2024 09:59	TO-15/R3QA230
78-78-4	Butane, 2-methyl-	1.4	T	6.60	02/08/2024 09:59	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

QC Data
Volatile Organic Compounds

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

Batch BB42703 - TO-15 Air

Blank (BB42703-BLK1)

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

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Site Name: IVY CITY TO15

Project #: NSF 791

QC Data
Volatile Organic Compounds

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

Blank (BB42703-BLK1)

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

Isopropyl alcohol	U	0.5	ppbv							
Methyl Methacrylate	U	0.5	"							
Methyl tert-Butyl Ether	U	0.5	"							
4-Methyl-2-pentanone	U	0.5	"							
Methylene Chloride	U	0.5	"							
Naphthalene	U	0.5	"							
Propylene	U	0.5	"							
Styrene	U	0.5	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Tetrahydrofuran	U	0.5	"							
Toluene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m,p-Xylene	U	1.0	"							
o-Xylene	U	0.5	"							
Surrogate: 4-Bromofluorobenzene	9.69		"	10.000		97	80-120			

Blank (BB42703-BLK2)

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

Acetone	U	0.5	ppbv							
Acrolein	U	0.5	"							
Benzene	U	0.5	"							
Benzyl chloride	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
1,3-Butadiene	U	0.5	"							
2-Butanone	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Site Name: IVY CITY TO15

Project #: NSF 791

QC Data
Volatile Organic Compounds

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

Blank (BB42703-BLK2)

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

Cyclohexane	U	0.5	ppbv
Dibromochloromethane	U	0.5	"
1,2-Dibromoethane (EDB)	U	0.5	"
1,2-Dichlorobenzene	U	0.5	"
1,3-Dichlorobenzene	U	0.5	"
1,4-Dichlorobenzene	U	0.5	"
Dichlorodifluoromethane	U	0.5	"
1,1-Dichloroethane	U	0.5	"
1,2-Dichloroethane	U	0.5	"
1,1-Dichloroethene	U	0.5	"
cis-1,2-Dichloroethene	U	0.5	"
trans-1,2-Dichloroethene	U	0.5	"
1,2-Dichloropropane	U	0.5	"
cis-1,3-Dichloropropene	U	0.5	"
trans-1,3-Dichloropropene	U	0.5	"
Dichlorotetrafluoroethane	U	0.5	"
1,4-Dioxane	U	0.5	"
Ethanol	U	0.5	"
Ethyl Acetate	U	0.5	"
Ethylbenzene	U	0.5	"
4-Ethyltoluene	U	0.5	"
Freon 113	U	0.5	"
Heptane	U	0.5	"
Hexachlorobutadiene	U	0.5	"
Hexane	U	0.5	"
2-Hexanone	U	0.5	"
Isopropyl alcohol	U	0.5	"
Methyl Methacrylate	U	0.5	"
Methyl tert-Butyl Ether	U	0.5	"
4-Methyl-2-pentanone	U	0.5	"
Methylene Chloride	U	0.5	"
Naphthalene	U	0.5	"
Propylene	U	0.5	"
Styrene	U	0.5	"
1,1,2,2-Tetrachloroethane	U	0.5	"
Tetrachloroethene	U	0.5	"
Tetrahydrofuran	U	0.5	"
Toluene	U	0.5	"
1,2,4-Trichlorobenzene	U	0.5	"
1,1,1-Trichloroethane	U	0.5	"
1,1,2-Trichloroethane	U	0.5	"



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Site Name: IVY CITY TO15

Project #: NSF 791

QC Data
Volatile Organic Compounds

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

Blank (BB42703-BLK2)

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

Trichloroethene	U	0.5	ppbv						
Trichlorofluoromethane	U	0.5	"						
1,2,4-Trimethylbenzene	U	0.5	"						
1,3,5-Trimethylbenzene	U	0.5	"						
Vinyl acetate	U	0.5	"						
Vinyl chloride	U	0.5	"						
m,p-Xylene	U	1.0	"						
o-Xylene	U	0.5	"						
Surrogate: 4-Bromofluorobenzene	9.72		"	10.000		97	80-120		

LCS (BB42703-BS1)

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

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Site Name: IVY CITY TO15

Project #: NSF 791

QC Data
Volatile Organic Compounds

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

LCS (BB42703-BS1)

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

Dichlorotetrafluoroethane	5.02000	0.5	ppbv	5.0000		100	70-130		
1,4-Dioxane	5.29000	0.5	"	5.0000		106	70-130		
Ethanol	5.38000	0.5	"	5.0000		108	70-130		
Ethyl Acetate	5.20000	0.5	"	5.0000		104	70-130		
Ethylbenzene	5.30000	0.5	"	5.0000		106	70-130		
4-Ethyltoluene	5.30000	0.5	"	5.0000		106	70-130		
Freon 113	4.81000	0.5	"	5.0000		96	70-130		
Heptane	5.03000	0.5	"	5.0000		101	70-130		
Hexachlorobutadiene	4.58000	0.5	"	5.0000		92	70-130		
Hexane	4.92000	0.5	"	5.0000		98	70-130		
2-Hexanone	5.55000	0.5	"	5.0000		111	70-130		
Isopropyl alcohol	5.01000	0.5	"	5.0000		100	70-130		
Methyl Methacrylate	5.14000	0.5	"	5.0000		103	70-130		
Methyl tert-Butyl Ether	4.87000	0.5	"	5.0000		97	70-130		
4-Methyl-2-pentanone	5.28000	0.5	"	5.0000		106	70-130		
Methylene Chloride	4.93000	0.5	"	5.0000		99	70-130		
Naphthalene	4.75000	0.5	"	5.0000		95	70-130		
Propylene	4.90000	0.5	"	5.0000		98	70-130		
Styrene	5.44000	0.5	"	5.0000		109	70-130		
1,1,2,2-Tetrachloroethane	5.49000	0.5	"	5.0000		110	70-130		
Tetrachloroethene	5.22000	0.5	"	5.0000		104	70-130		
Tetrahydrofuran	4.97000	0.5	"	5.0000		99	70-130		
Toluene	5.23000	0.5	"	5.0000		105	70-130		
1,2,4-Trichlorobenzene	4.70000	0.5	"	5.0000		94	70-130		
1,1,1-Trichloroethane	4.87000	0.5	"	5.0000		97	70-130		
1,1,2-Trichloroethane	5.32000	0.5	"	5.0000		106	70-130		
Trichloroethene	5.02000	0.5	"	5.0000		100	70-130		
Trichlorofluoromethane	4.84000	0.5	"	5.0000		97	70-130		
1,2,4-Trimethylbenzene	5.26000	0.5	"	5.0000		105	70-130		
1,3,5-Trimethylbenzene	5.17000	0.5	"	5.0000		103	70-130		
Vinyl acetate	4.95000	0.5	"	5.0000		99	70-130		
Vinyl chloride	5.14000	0.5	"	5.0000		103	70-130		
m,p-Xylene	10.7100	1.0	"	10.000		107	70-130		
o-Xylene	5.33000	0.5	"	5.0000		107	70-130		
Surrogate: 4-Bromofluorobenzene	9.85		"	10.000		98	80-120		



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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.
K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value. Reported value is an estimate.
J	The identification of the analyte is acceptable; the reported value is an estimate.
%REC	Percent Recovery
RPD	Relative Percent Difference
U	Analyte included in the analysis, but not detected at or above the quantitation limit.
NR	Not Reported

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

SOLID SAMPLE RESULTS - REPORTING PROTOCOL: Solid samples where % Solids (percent dry wt at 105 degrees C) has been performed, are analyzed wet and converted to a dry weight result for reporting purposes. This is routine for organics and most inorganic analyses. When metals and mercury analyses are requested, solid samples are routinely analyzed and reported on a dry weight basis. Solid samples for metals/mercury are prepared for analysis by an initial drying at 60 degree C and homogenization before digestion. Oil-type samples will be analyzed and reported on a wet weight basis for all analyses because of the nature of the sample. Any exceptions to the protocol will be noted with a qualifier