284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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LAB CHRONICLE

OrderID:	Q1583	**OrderDate:**	3/14/2025 1:50:00 PM
Client:	Ardmore Chemical	**Project:**	PVSC Monthly 2025
Contact:	Michael Sharphouse	**Location:**	F11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1583-01	**EFF-WASTE WATER**	**Water**			**03/14/25**			**03/14/25**
			VOC-PP	624.1			03/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1583

Client: Ardmore Chemical

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**EFF-WASTE WATER**							
Q1583-01	EFF-WASTE WATE	Water	Chloroform	13.1	J	2.80	25.0	ug/L
			Total Voc :	13.1				
			Total Concentration:	13.1				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1583

Client: Ardmore Chemical

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1583-01	EFF-WASTE WATER	1,2-Dichloroethane-d4	30	32.0	107	91	110
		Toluene-d8	30	28.9	96	91	112
		4-Bromofluorobenzene	30	31.8	106	63	112
VX0314WBL01	VX0314WBL01	1,2-Dichloroethane-d4	30	32.6	109	91	110
		Toluene-d8	30	30.8	102	91	112
		4-Bromofluorobenzene	30	27.3	91	63	112
VX0314WBS01	VX0314WBS01	1,2-Dichloroethane-d4	30	33.0	110	91	110
		Toluene-d8	30	30.9	103	91	112
		4-Bromofluorobenzene	30	30.8	103	63	112
VX0314WBSD0	VX0314WBSD01	1,2-Dichloroethane-d4	30	31.5	105	91	110
		Toluene-d8	30	29.8	99	91	112
		4-Bromofluorobenzene	30	30.7	102	63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1583

Client: Ardmore Chemical

Analytical Method: SW624.1 **Datafile :** VX045286.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0314WBS01	Chloromethane	20	17.9	ug/L	90			1	205	
	Vinyl Chloride	20	16.6	ug/L	83			5	195	
	Bromomethane	20	20.5	ug/L	103			15	185	
	Chloroethane	20	17.0	ug/L	85			40	160	
	Trichlorofluoromethane	20	17.9	ug/L	90			50	150	
	1,1-Dichloroethene	20	18.7	ug/L	94			50	150	
	Acrolein	100	84.9	ug/L	85			60	140	
	Acrylonitrile	100	100	ug/L	100			60	140	
	Methylene Chloride	20	19.0	ug/L	95			60	140	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			70	130	
	1,1-Dichloroethane	20	19.0	ug/L	95			70	130	
	Carbon Tetrachloride	20	19.3	ug/L	97			70	130	
	Chloroform	20	19.6	ug/L	98			70	135	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			70	130	
	Benzene	20	18.6	ug/L	93			65	135	
	1,2-Dichloroethane	20	20.2	ug/L	101			70	130	
	Trichloroethene	20	18.9	ug/L	95			65	135	
	1,2-Dichloropropane	20	19.1	ug/L	96			35	165	
	Bromodichloromethane	20	19.8	ug/L	99			65	135	
	Toluene	20	19.1	ug/L	96			70	130	
	t-1,3-Dichloropropene	20	17.1	ug/L	86			50	150	
	cis-1,3-Dichloropropene	20	17.7	ug/L	89			25	175	
	1,1,2-Trichloroethane	20	19.3	ug/L	97			70	130	
	2-Chloroethyl vinyl ether	100	99.4	ug/L	99			1	225	
	Dibromochloromethane	20	19.8	ug/L	99			70	135	
	Tetrachloroethene	20	20.0	ug/L	100			70	130	
	Chlorobenzene	20	19.0	ug/L	95			65	135	
	Ethyl Benzene	20	19.1	ug/L	96			60	140	
	m/p-Xylenes	40	38.5	ug/L	96			87	111	
	o-Xylene	20	19.3	ug/L	97			87	111	
	Bromoform	20	19.2	ug/L	96			70	130	
	1,1,2,2-Tetrachloroethane	20	20.9	ug/L	104			60	140	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			70	130	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			65	135	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			65	135	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1583

Client: Ardmore Chemical

Analytical Method: SW624.1 **Datafile :** VX045293.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0314WBSD01	Chloromethane	20	16.6	ug/L	83			1	205	20
	Vinyl Chloride	20	15.6	ug/L	78			5	195	20
	Bromomethane	20	20.4	ug/L	102			15	185	20
	Chloroethane	20	15.4	ug/L	77			40	160	20
	Trichlorofluoromethane	20	17.6	ug/L	88			50	150	20
	1,1-Dichloroethene	20	18.3	ug/L	92			50	150	20
	Acrolein	100	100	ug/L	100			60	140	20
	Acrylonitrile	100	100	ug/L	100			60	140	20
	Methylene Chloride	20	18.5	ug/L	93			60	140	20
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			70	130	20
	1,1-Dichloroethane	20	18.7	ug/L	94			70	130	20
	Carbon Tetrachloride	20	19.5	ug/L	98			70	130	20
	Chloroform	20	19.3	ug/L	97			70	135	20
	1,1,1-Trichloroethane	20	19.3	ug/L	97			70	130	20
	Benzene	20	19.4	ug/L	97			65	135	20
	1,2-Dichloroethane	20	21.4	ug/L	107			70	130	20
	Trichloroethene	20	18.9	ug/L	95			65	135	20
	1,2-Dichloropropane	20	19.6	ug/L	98			35	165	20
	Bromodichloromethane	20	20.0	ug/L	100			65	135	20
	Toluene	20	18.7	ug/L	94			70	130	20
	t-1,3-Dichloropropene	20	17.3	ug/L	86			50	150	20
	cis-1,3-Dichloropropene	20	18.3	ug/L	92			25	175	20
	1,1,2-Trichloroethane	20	19.6	ug/L	98			70	130	20
	2-Chloroethyl vinyl ether	100	100	ug/L	100			1	225	20
	Dibromochloromethane	20	19.3	ug/L	97			70	135	20
	Tetrachloroethene	20	18.6	ug/L	93			70	130	20
	Chlorobenzene	20	18.5	ug/L	93			65	135	20
	Ethyl Benzene	20	18.6	ug/L	93			60	140	20
	m/p-Xylenes	40	37.9	ug/L	95			87	111	20
	o-Xylene	20	18.4	ug/L	92			87	111	20
	Bromoform	20	19.2	ug/L	96			70	130	20
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104			60	140	20
	1,3-Dichlorobenzene	20	18.5	ug/L	93			70	130	20
	1,4-Dichlorobenzene	20	18.9	ug/L	95			65	135	20
	1,2-Dichlorobenzene	20	19.3	ug/L	97			65	135	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0314WBSD01

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1583 SAS No.: Q1583 SDG NO.: Q1583

Lab File ID: VX045293.D Lab Sample ID: VX0314WBSD01

Date Analyzed: 03/14/2025 Time Analyzed: 15:22

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0314WBSD01	VX0314WBSD01	VX045293.D	03/14/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0314WBL01

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1583 SAS No.: Q1583 SDG NO.: Q1583

Lab File ID: VX045288.D Lab Sample ID: VX0314WBL01

Date Analyzed: 03/14/2025 Time Analyzed: 11:40

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0314WBS01	VX0314WBS01	VX045286.D	03/14/2025
EFF-WASTE WATER	Q1583-01	VX045294.D	03/14/2025

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1583 SAS No.: Q1583 SDG NO.: Q1583

Lab File ID: VX045007.D BFB Injection Date: 02/21/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:31

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	52.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	71.6 (96.2) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX045008.D	02/21/2025	09:58
VSTDICCC020	VSTDICCC020	VX045009.D	02/21/2025	10:21
VSTDICC050	VSTDICC050	VX045010.D	02/21/2025	10:44
VSTDICC100	VSTDICC100	VX045011.D	02/21/2025	11:07
VSTDICC150	VSTDICC150	VX045012.D	02/21/2025	11:29

Raw Data: **VX045284.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1583 SAS No.: Q1583 SDG NO.: Q1583

Lab File ID: VX045284.D BFB Injection Date: 03/14/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:28

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	72.8
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	70.4 (96.7) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VX045285.D	03/14/2025	10:17
VX0314WBS01	VX0314WBS01	VX045286.D	03/14/2025	10:50
VX0314WBL01	VX0314WBL01	VX045288.D	03/14/2025	11:40
VX0314WBSD01	VX0314WBSD01	VX045293.D	03/14/2025	15:22
EFF-WASTE WATER	Q1583-01	VX045294.D	03/14/2025	16:18

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1583 SAS No.: Q1583 SDG NO.: Q1583

Lab File ID: VX045285.D Date Analyzed: 03/14/2025

Instrument ID: MSVOA_X Time Analyzed: 10:17

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	16402	4.89	86549	6.75	77791	10.05
UPPER LIMIT	32804	5.385	173098	7.251	155582	10.549
LOWER LIMIT	8201	4.385	43274.5	6.251	38895.5	9.549
EPA SAMPLE NO.						
EFF-WASTE WATER	15046	4.90	76674	6.76	71736	10.06
VX0314WBL01	14558	4.89	75988	6.76	67387	10.06
VX0314WBS01	16027	4.89	88526	6.76	80688	10.05
VX0314WBSD01	15546	4.89	80769	6.75	76870	10.05

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VX045294.D**

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Report of Analysis

Client:	Ardmore Chemical	Date Collected:	03/14/25
Project:	PVSC Monthly 2025	Date Received:	03/14/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1583
Lab Sample ID:	Q1583-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045294.D	5		03/14/25 16:18	VX031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	3.20	U	3.20	25.0	ug/L
75-01-4	Vinyl Chloride	4.20	U	4.20	25.0	ug/L
74-83-9	Bromomethane	4.00	U	4.00	25.0	ug/L
75-00-3	Chloroethane	11.6	U	11.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	4.00	U	4.00	25.0	ug/L
75-35-4	1,1-Dichloroethene	3.80	U	3.80	25.0	ug/L
107-02-8	Acrolein	33.1	U	33.1	130	ug/L
107-13-1	Acrylonitrile	14.0	U	14.0	130	ug/L
75-09-2	Methylene Chloride	4.30	U	4.30	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.10	U	4.10	25.0	ug/L
75-34-3	1,1-Dichloroethane	3.40	U	3.40	25.0	ug/L
56-23-5	Carbon Tetrachloride	3.70	U	3.70	25.0	ug/L
67-66-3	Chloroform	13.1	J	2.80	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.20	U	3.20	25.0	ug/L
71-43-2	Benzene	2.30	U	2.30	25.0	ug/L
107-06-2	1,2-Dichloroethane	2.50	U	2.50	25.0	ug/L
79-01-6	Trichloroethene	2.50	U	2.50	25.0	ug/L
78-87-5	1,2-Dichloropropane	2.30	U	2.30	25.0	ug/L
75-27-4	Bromodichloromethane	3.20	U	3.20	25.0	ug/L
108-88-3	Toluene	2.30	U	2.30	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	3.60	U	3.60	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.40	U	3.40	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.30	U	2.30	25.0	ug/L
110-75-8	2-Chloroethyl vinyl ether	23.2	U	23.2	130	ug/L
124-48-1	Dibromochloromethane	3.30	U	3.30	25.0	ug/L
127-18-4	Tetrachloroethene	4.20	U	4.20	25.0	ug/L
108-90-7	Chlorobenzene	2.40	U	2.40	25.0	ug/L
100-41-4	Ethyl Benzene	2.80	U	2.80	25.0	ug/L
179601-23-1	m/p-Xylenes	6.50	U	6.50	50.0	ug/L
95-47-6	o-Xylene	3.40	U	3.40	25.0	ug/L

Raw Data: **VX045294.D**

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Report of Analysis

Client:	Ardmore Chemical	Date Collected:	03/14/25
Project:	PVSC Monthly 2025	Date Received:	03/14/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1583
Lab Sample ID:	Q1583-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045294.D	5		03/14/25 16:18	VX031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	4.70	U	4.70	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	2.20	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	3.40	U	3.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.10	U	4.10	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.40	U	3.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	32.0		91 - 110	107%	SPK: 30
2037-26-5	Toluene-d8	28.9		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	31.8		63 - 112	106%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	15000	4.897			
540-36-3	1,4-Difluorobenzene	76700	6.757			
3114-55-4	Chlorobenzene-d5	71700	10.055			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX045294.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045294.D
Acq On : 14 Mar 2025 16:18
Operator : JC/MD
Sample : Q1583-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

Quant Time: Mar 15 04:00:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.897	128	15046	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	76674	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	71736	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	46762	31.999	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.667%			
60) 4-Bromofluorobenzene	11.079	95	42574	31.752	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 105.833%			
63) Toluene-d8	8.647	98	114825	28.934	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.433%			
Target Compounds						Qvalue
15) Acetone	2.386	58	494595	2781.700	ug/l	90
25) Chloroform	5.086	83	5773	2.616	ug/l	98

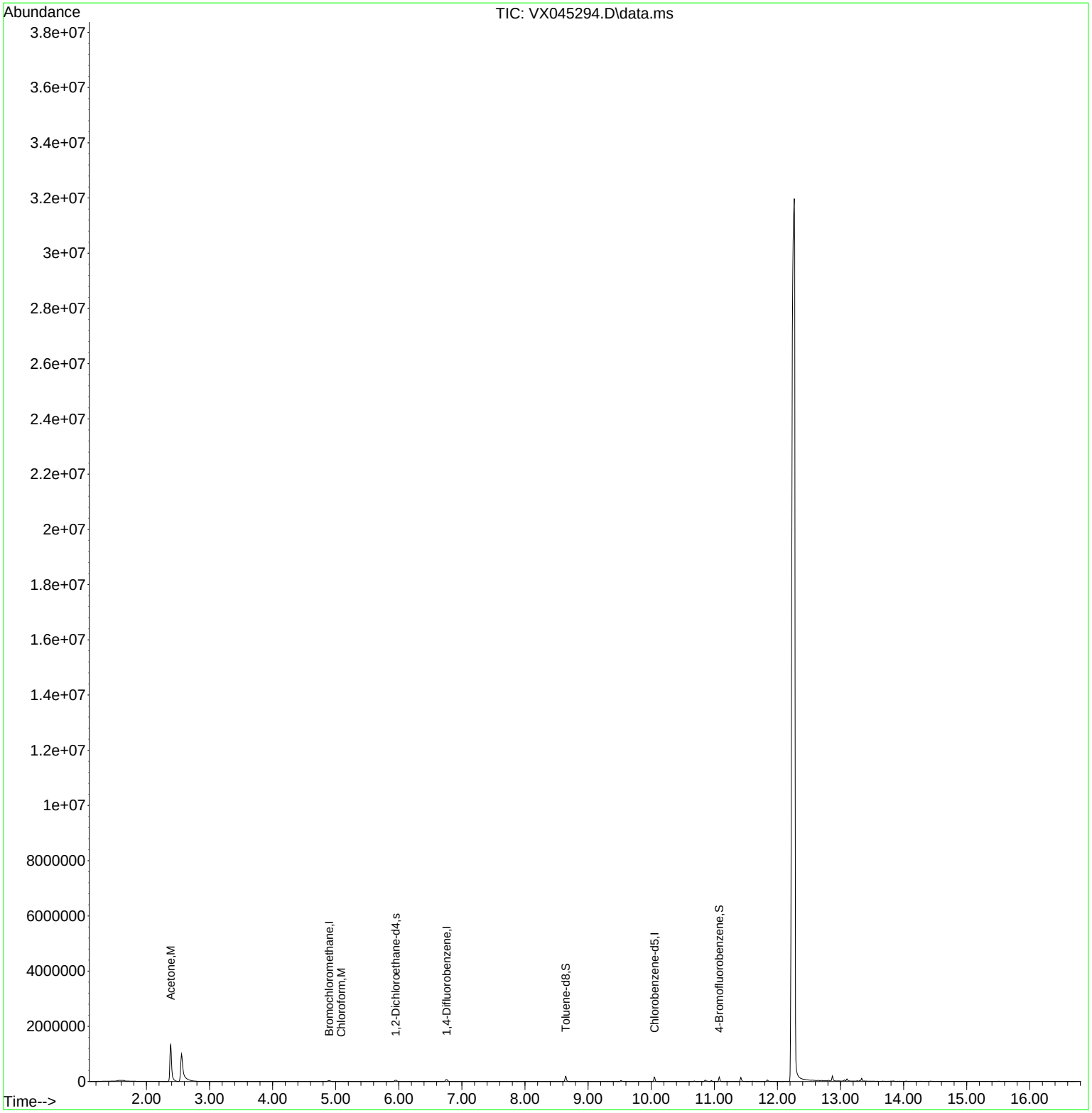
(#) = qualifier out of range (m) = manual integration (+) = signals summed

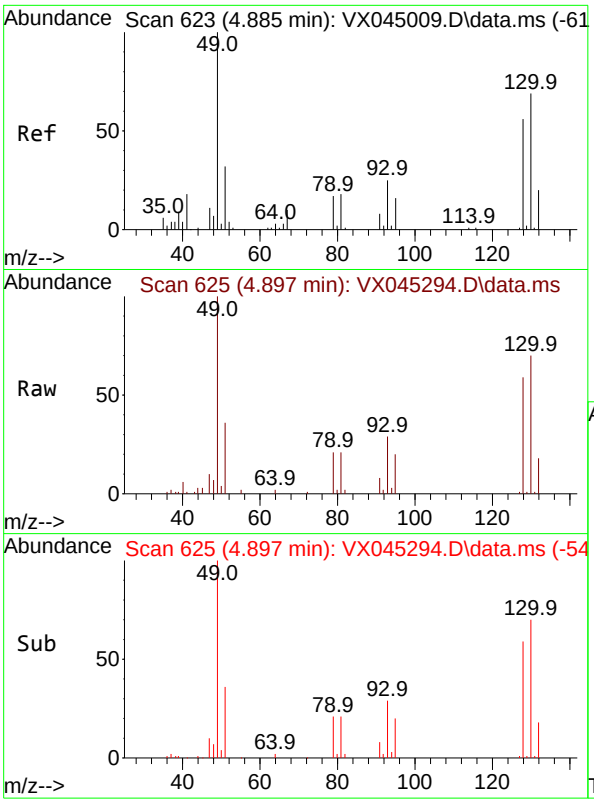
Sample Results: **VX045294.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045294.D
Acq On : 14 Mar 2025 16:18
Operator : JC/MD
Sample : Q1583-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

Quant Time: Mar 15 04:00:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration



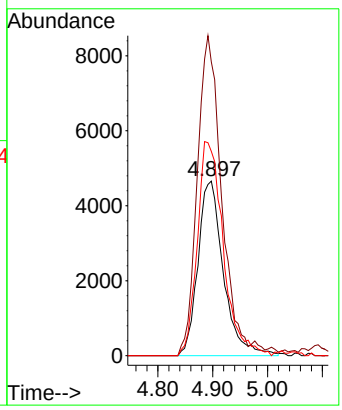


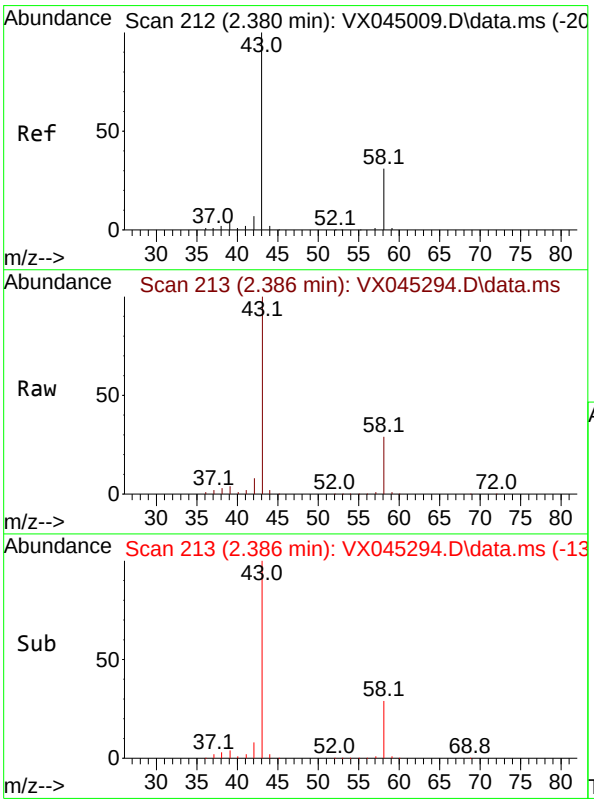
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX045294.D
Acq: 14 Mar 2025 16:18

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

Tgt Ion:128 Resp: 15046

Ion	Ratio	Lower	Upper
128	100		
49	172.9	0.0	449.7
130	124.9	0.0	312.7

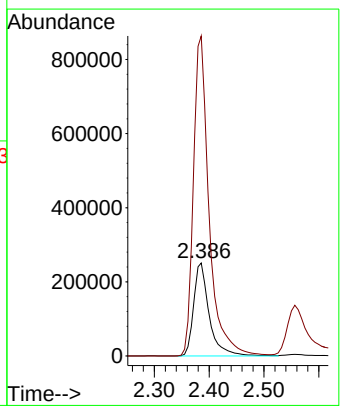


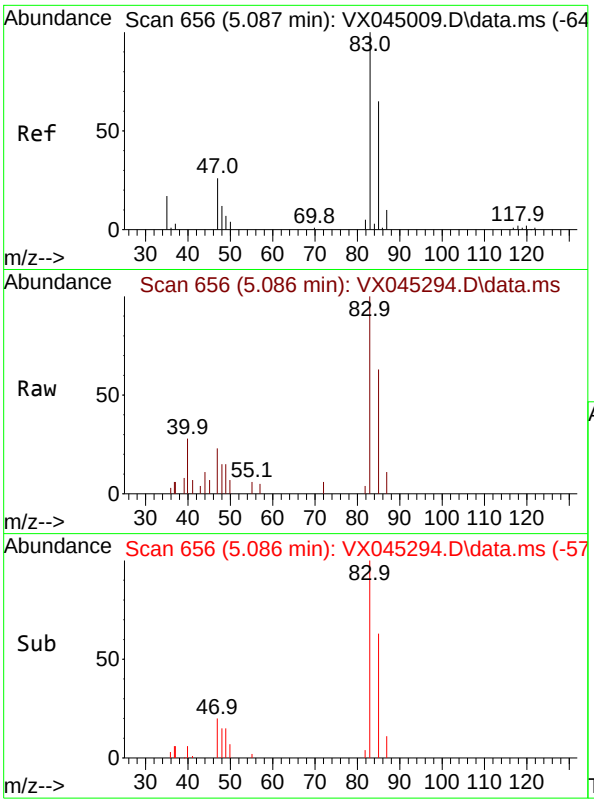


#15
Acetone
Concen: 2781.700 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045294.D
Acq: 14 Mar 2025 16:18

Tgt Ion: 58 Resp: 494595

Ion	Ratio	Lower	Upper
58	100		
43	344.2	258.6	388.0



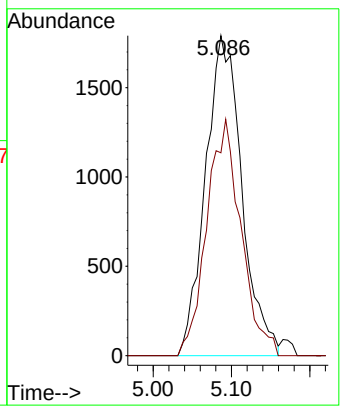


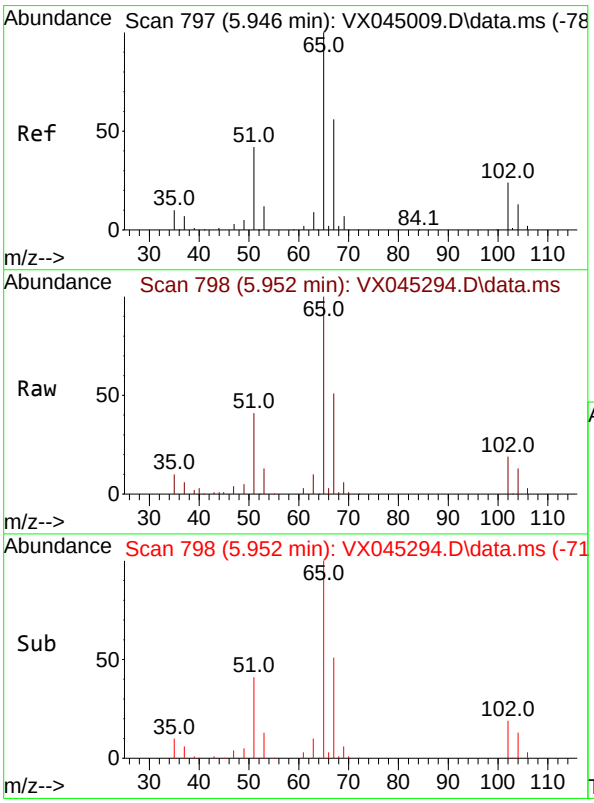
#25
Chloroform
Concen: 2.616 ug/l
RT: 5.086 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045294.D
Acq: 14 Mar 2025 16:18

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

Tgt Ion: 83 Resp: 5773

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.7	77.5

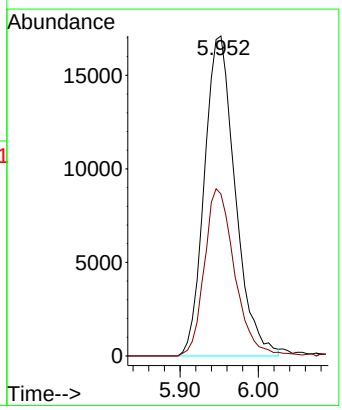


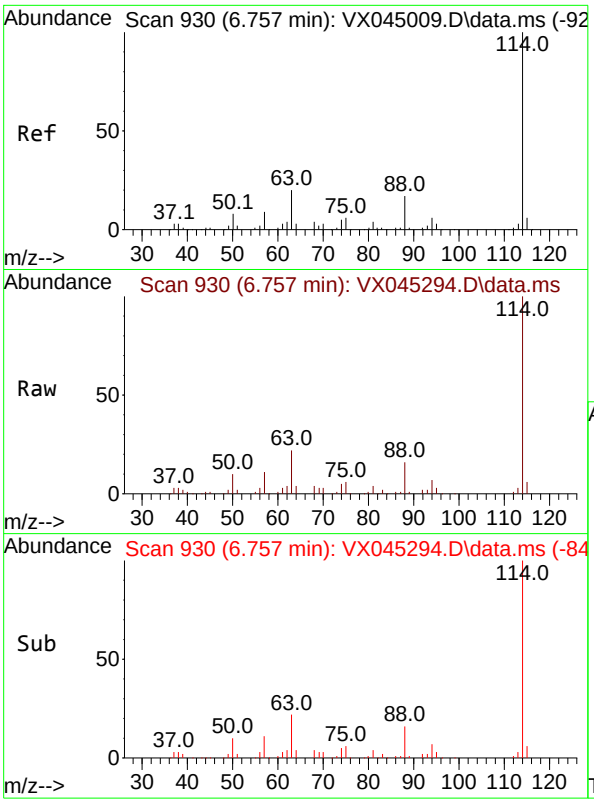


#27
1,2-Dichloroethane-d4
Concen: 31.999 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045294.D
Acq: 14 Mar 2025 16:18

Tgt Ion: 65 Resp: 46762

Ion	Ratio	Lower	Upper
65	100		
67	51.3	42.6	64.0



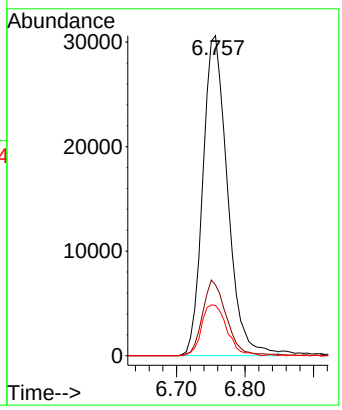


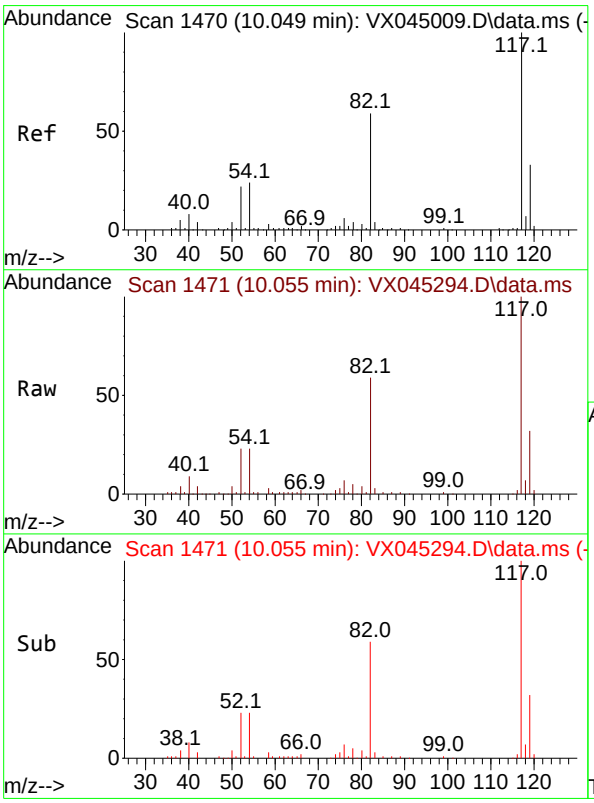
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045294.D
Acq: 14 Mar 2025 16:18

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

Tgt Ion:114 Resp: 76674

Ion	Ratio	Lower	Upper
114	100		
63	22.7	16.8	25.2
88	16.3	12.7	19.1

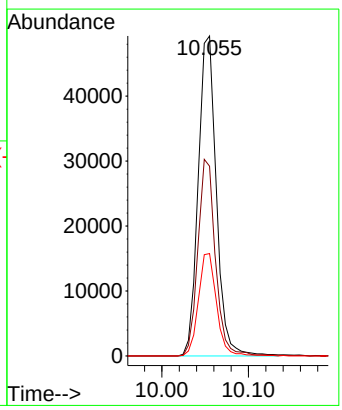


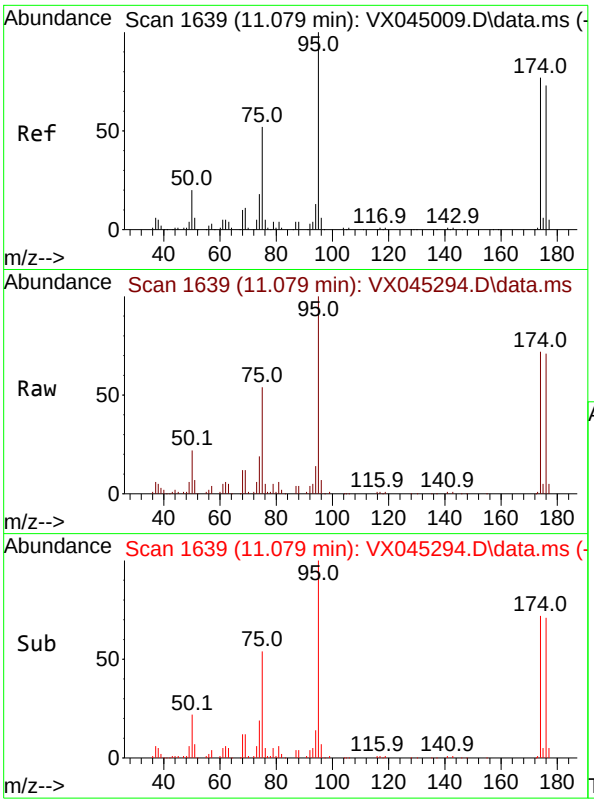


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045294.D
Acq: 14 Mar 2025 16:18

Tgt Ion:117 Resp: 71736

Ion	Ratio	Lower	Upper
117	100		
82	59.3	45.8	68.8
119	32.0	25.5	38.3



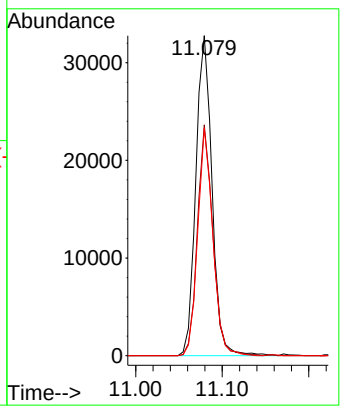


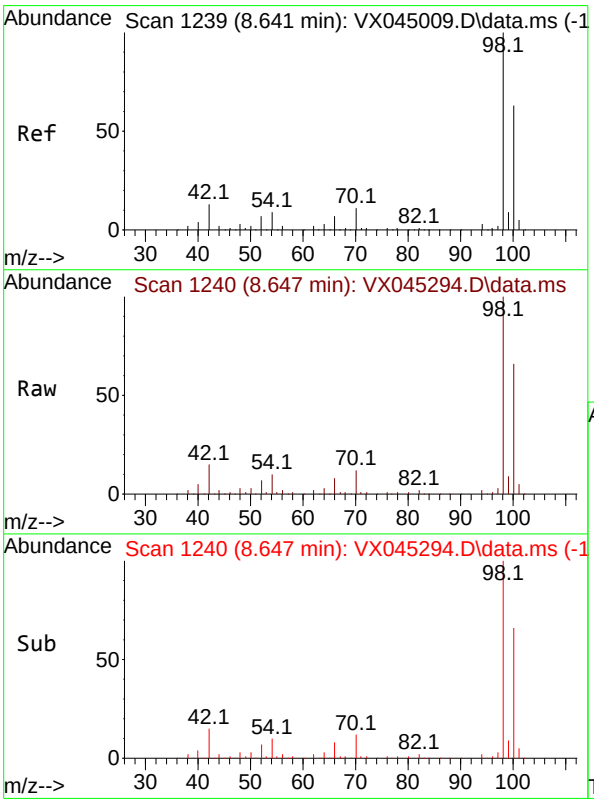
#60
4-Bromofluorobenzene
Concen: 31.752 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045294.D
Acq: 14 Mar 2025 16:18

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

Tgt Ion: 95 Resp: 42574

Ion	Ratio	Lower	Upper
95	100		
174	68.8	59.5	89.3
176	66.5	55.5	83.3

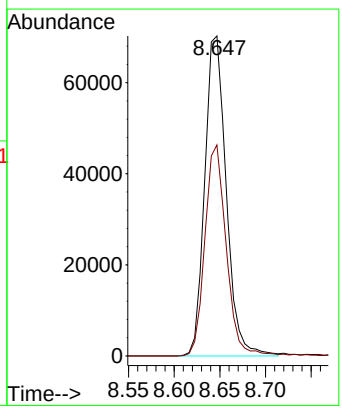




#63
Toluene-d8
Concen: 28.934 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045294.D
Acq: 14 Mar 2025 16:18

Tgt Ion: 98 Resp: 114825

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1583 SAS No.: Q1583 SDG No.: Q1583

Instrument ID: MSVOA_X Calibration Date(s): 02/21/2025 02/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:58 11:29

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX045008.D RRF020 = VX045009.D RRF050 = VX045010.D
RRF100 = VX045011.D RRF150 = VX045012.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Chloromethane	3.021	2.986	3.118	2.875	3.145		3.029	3.6
Vinyl Chloride	2.916	2.831	2.918	2.825	3.124		2.923	4.1
Bromomethane	1.116	0.976	0.995	0.944	1.056		1.017	6.7
Chloroethane	1.821	1.663	1.752	1.466	1.212		1.583	15.6
Trichlorofluoromethane	3.982	3.712	3.968	3.809	4.170		3.928	4.5
1,1-Dichloroethene	2.200	2.142	2.300	2.262	2.491		2.279	5.8
Acrolein	0.504	0.473	0.527	0.540	0.608		0.530	9.5
Acrylonitrile	1.204	1.244	1.348	1.284	1.384		1.293	5.7
Methylene Chloride	2.462	2.482	2.619	2.509	2.745		2.563	4.6
trans-1,2-Dichloroethene	2.232	2.191	2.345	2.260	2.501		2.306	5.3
1,1-Dichloroethane	4.525	4.343	4.508	4.473	4.929		4.555	4.8
Carbon Tetrachloride	0.572	0.548	0.576	0.544	0.581		0.564	3
Chloroform	4.272	4.258	4.406	4.293	4.771		4.400	4.9
1,1,1-Trichloroethane	0.674	0.644	0.686	0.644	0.695		0.669	3.5
Benzene	1.746	1.697	1.785	1.670	1.756		1.731	2.7
1,2-Dichloroethane	0.598	0.581	0.600	0.577	0.607		0.592	2.2
Trichloroethene	0.407	0.400	0.412	0.390	0.415		0.405	2.5
1,2-Dichloropropane	0.430	0.425	0.427	0.427	0.444		0.430	1.8
Bromodichloromethane	0.610	0.593	0.625	0.601	0.639		0.614	3
Toluene	2.015	1.952	1.995	1.956	2.019		1.987	1.6
t-1,3-Dichloropropene	0.527	0.530	0.616	0.618	0.666		0.591	10.3
cis-1,3-Dichloropropene	0.614	0.635	0.691	0.682	0.726		0.670	6.7
1,1,2-Trichloroethane	0.405	0.404	0.414	0.389	0.402		0.403	2.2
2-Chloroethyl vinyl ether	0.301	0.314	0.339	0.326	0.346		0.325	5.6
Dibromochloromethane	0.427	0.436	0.457	0.440	0.468		0.445	3.8
Tetrachloroethene	0.389	0.368	0.367	0.356	0.367		0.369	3.3
Chlorobenzene	1.223	1.214	1.244	1.220	1.257		1.231	1.5
Ethyl Benzene	2.094	2.100	2.220	2.178	2.286		2.176	3.7
m/p-Xylenes	0.785	0.816	0.823	0.799	0.831		0.811	2.3
o-Xylene	0.767	0.798	0.813	0.783	0.816		0.795	2.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1583 SAS No.: Q1583 SDG No.: Q1583

Instrument ID: MSVOA_X Calibration Date(s): 02/21/2025 02/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:58 11:29

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX045008.D RRF020 = VX045009.D RRF050 = VX045010.D
RRF100 = VX045011.D RRF150 = VX045012.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Bromoform	0.251	0.258	0.298	0.281	0.308		0.279	8.9
1,1,2,2-Tetrachloroethane	0.665	0.664	0.703	0.647	0.695		0.675	3.4
1,3-Dichlorobenzene	0.855	0.874	0.905	0.852	0.910		0.879	3.1
1,4-Dichlorobenzene	0.824	0.854	0.910	0.848	0.897		0.867	4.1
1,2-Dichlorobenzene	0.863	0.868	0.894	0.815	0.872		0.863	3.4
1,2-Dichloroethane-d4	2.881	2.881	2.843	2.920	3.044		2.914	2.7
Toluene-d8	1.652	1.669	1.650	1.677	1.651		1.660	0.7
4-Bromofluorobenzene	0.539	0.560	0.565	0.563	0.578		0.561	2.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 624X022125W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Sat Feb 22 01:06:36 2025
Response Via : Initial Calibration

Calibration Files
5 =VX045008.D 20 =VX045009.D 50 =VX045010.D 100 =VX045011.D 150 =VX045012.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	2.499	2.478	2.571	2.428	2.669	2.529	3.70
3)	M	Chloromethane	3.021	2.986	3.118	2.875	3.145	3.029	3.58
4)	M	Vinyl Chloride	2.916	2.831	2.918	2.825	3.124	2.923	4.14
5)	M	Bromomethane	1.116	0.976	0.995	0.944	1.056	1.017	6.74
6)	M	Chloroethane	1.821	1.663	1.752	1.466	1.212	1.583	15.57
7)	M	Trichlorofluorom...	3.982	3.712	3.968	3.809	4.170	3.928	4.48
8)	T	Diethyl Ether	1.506	1.429	1.478	1.436	1.582	1.486	4.17
9)		1,1,2-Trichlorot...	2.377	2.192	2.362	2.241	2.493	2.333	5.11
10)	M	1,1-Dichloroethene	2.200	2.142	2.300	2.262	2.491	2.279	5.83
11)		Methyl Iodide	1.920	2.177	2.788	2.801	3.210	2.579	20.21
12)		Methyl Acetate	2.518	2.471	2.689	2.611	2.942	2.646	7.02
13)	M	Acrolein	0.504	0.473	0.527	0.540	0.608	0.530	9.46
14)	M	Acrylonitrile	1.204	1.243	1.348	1.284	1.384	1.293	5.70
15)	M	Acetone	0.371	0.352	0.354	0.338	0.358	0.355	3.40
16)	M	Carbon Disulfide	6.269	5.990	6.491	6.437	7.134	6.464	6.53
17)		Allyl chloride	4.066	3.950	4.321	4.259	4.716	4.262	6.89
18)	M	Methylene Chloride	2.462	2.482	2.619	2.509	2.745	2.563	4.61
19)	M	trans-1,2-Dichlo...	2.232	2.191	2.345	2.260	2.501	2.306	5.33
20)	T	Diisopropyl ether	7.764	7.784	8.372	8.138	8.897	8.191	5.73
21)	M	1,1-Dichloroethane	4.525	4.343	4.508	4.473	4.929	4.555	4.84
22)	M	cis-1,2-Dichloro...	2.740	2.632	2.729	2.716	2.997	2.763	4.98
23)	M	tert-Butyl Alcohol	0.440	0.425	0.475	0.435	0.481	0.451	5.63
24)	M	Methyl tert-Buty...	7.103	7.021	7.516	7.382	8.169	7.438	6.13
25)	M	Chloroform	4.272	4.258	4.406	4.293	4.771	4.400	4.90
26)		Cyclohexane	4.050	4.037	4.272	4.100	4.564	4.205	5.28
27)	s	1,2-Dichloroetha...	2.881	2.881	2.843	2.920	3.044	2.914	2.67
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.555	0.537	0.563	0.532	0.572	0.552	3.11
30)	M	2-Butanone	0.320	0.310	0.333	0.308	0.323	0.319	3.25
31)		2,2-Dichloropropane	0.614	0.588	0.635	0.616	0.667	0.624	4.73
32)	M	1,1,1-Trichloroe...	0.674	0.644	0.686	0.644	0.695	0.669	3.51
33)	M	Carbon Tetrachlo...	0.572	0.548	0.576	0.544	0.581	0.564	3.01
34)	M	Benzene	1.746	1.697	1.785	1.670	1.756	1.731	2.69
35)		Methacrylonitrile	0.307	0.333	0.367	0.341	0.357	0.341	6.80
36)	M	1,2-Dichloroethane	0.598	0.581	0.600	0.577	0.607	0.592	2.20
37)	M	Trichloroethene	0.407	0.400	0.412	0.390	0.415	0.405	2.47
38)		Methylcyclohexane	0.747	0.700	0.763	0.724	0.770	0.741	3.89
39)	M	1,2-Dichloropropane	0.430	0.425	0.427	0.427	0.444	0.430	1.77
40)		Dibromomethane	0.318	0.301	0.311	0.298	0.315	0.309	2.87
41)	M	Bromodichloromet...	0.610	0.593	0.625	0.601	0.639	0.614	2.99
42)	M	Vinyl Acetate	1.136	1.190	1.304	1.244	1.311	1.237	6.06
43)		Ethyl Acetate	0.552	0.578	0.610	0.606	0.642	0.598	5.72
44)		Isopropyl Acetate	0.889	0.917	1.033	1.005	1.075	0.984	7.97
45)	T	1,4-Dioxane	0.010	0.010	0.011	0.010	0.010	0.010	6.57
46)		Methyl methacrylate	0.421	0.456	0.510	0.495	0.530	0.482	9.09
47)		n-amyl Acetate	0.721	0.803	0.922	0.862	0.962	0.854	11.20
48)	M	t-1,3-Dichloropr...	0.527	0.530	0.616	0.618	0.666	0.591	10.28
49)	T	cis-1,3-Dichloro...	0.614	0.635	0.691	0.682	0.726	0.670	6.72
50)	M	1,1,2-Trichloroe...	0.405	0.404	0.414	0.389	0.402	0.403	2.21
51)		Ethyl methacrylate	0.543	0.586	0.676	0.653	0.709	0.633	10.70
52)		1,3-Dichloropropane	0.703	0.704	0.724	0.678	0.719	0.706	2.53
53)	M	Dibromochloromet...	0.427	0.436	0.457	0.440	0.468	0.445	3.76
54)	M	1,2-Dibromoethane	0.397	0.401	0.423	0.397	0.427	0.409	3.59
55)	M	2-Chloroethyl vi...	0.301	0.314	0.339	0.326	0.346	0.325	5.64
56)	M	Bromoform	0.251	0.258	0.298	0.281	0.308	0.279	8.85

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 624X022125W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.633	0.680	0.731	0.668	0.701	0.682	5.37
59)	M	2-Hexanone	0.446	0.488	0.535	0.482	0.516	0.493	6.96
60)	S	4-Bromofluoroben...	0.539	0.560	0.565	0.563	0.578	0.561	2.47
61)	M	Tetrachloroethene	0.389	0.368	0.367	0.356	0.367	0.369	3.28
62)	M	Toluene	2.015	1.952	1.995	1.956	2.019	1.987	1.61
63)	S	Toluene-d8	1.652	1.669	1.650	1.677	1.651	1.660	0.75
64)	M	Chlorobenzene	1.223	1.214	1.244	1.220	1.257	1.231	1.49
65)		1,1,1,2-Tetrachl...	0.401	0.394	0.408	0.399	0.429	0.406	3.32
66)	M	Ethyl Benzene	2.094	2.100	2.220	2.178	2.286	2.176	3.74
67)	M	m/p-Xylenes	0.785	0.816	0.823	0.799	0.831	0.811	2.32
68)	M	o-Xylene	0.767	0.798	0.813	0.783	0.816	0.795	2.58
69)	M	Styrene	1.259	1.318	1.363	1.316	1.386	1.328	3.67
70)		Isopropylbenzene	1.981	2.041	2.089	2.026	2.126	2.053	2.74
71)	M	1,1,2,2-Tetrachl...	0.665	0.664	0.703	0.647	0.695	0.675	3.44
72)		1,2,3-Trichlorop...	0.539	0.540	0.583	0.540	0.574	0.555	3.90
73)		Bromobenzene	0.462	0.467	0.485	0.463	0.486	0.473	2.52
74)		n-propylbenzene	2.281	2.387	2.539	2.437	2.569	2.443	4.78
75)		2-Chlorotoluene	1.465	1.468	1.503	1.431	1.516	1.477	2.27
76)		1,3,5-Trimethylb...	1.638	1.691	1.750	1.654	1.733	1.693	2.85
77)		t-1,4-Dichloro-2...	0.133	0.160	0.199	0.203	0.239	0.187	22.02
78)		4-Chlorotoluene	1.580	1.618	1.686	1.623	1.723	1.646	3.50
79)		tert-butylbenzene	1.628	1.703	1.779	1.667	1.753	1.706	3.61
80)		1,2,4-Trimethylb...	1.616	1.705	1.768	1.653	1.739	1.696	3.65
81)		sec-Butylbenzene	2.056	2.118	2.210	2.094	2.228	2.141	3.49
82)		p-Isopropyltoluene	1.614	1.709	1.811	1.733	1.808	1.735	4.67
83)	M	1,3-Dichlorobenzene	0.855	0.874	0.905	0.852	0.910	0.879	3.12
84)	M	1,4-Dichlorobenzene	0.824	0.854	0.910	0.848	0.897	0.867	4.12
85)		n-Butylbenzene	1.376	1.512	1.675	1.618	1.740	1.584	9.04
86)	T	Hexachloroethane	0.264	0.282	0.322	0.314	0.349	0.306	10.94
87)	M	1,2-Dichlorobenzene	0.863	0.868	0.894	0.815	0.872	0.863	3.36
88)		1,2-Dibromo-3-Ch...	0.126	0.121	0.133	0.129	0.145	0.131	7.06
89)		1,2,4-Trichlorob...	0.461	0.490	0.541	0.539	0.583	0.523	9.08
90)		Hexachlorobutadiene	0.217	0.209	0.213	0.206	0.221	0.213	2.76
91)	M	Naphthalene	1.606	1.778	1.941	1.861	2.031	1.843	8.81
92)		1,2,3-Trichlorob...	0.501	0.523	0.549	0.540	0.578	0.538	5.35

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045008.D
Acq On : 21 Feb 2025 09:58
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 22 00:46:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone
02/24/2025
Supervised By :Mahesh Dadoda
02/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	4.885	128	19850	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	6.751	114	107647	30.000	ug/l		0.00
57) Chlorobenzene-d5	10.049	117	98661	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	5.946	65	57190	29.664	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.867%				
60) 4-Bromofluorobenzene	11.079	95	53212	28.855	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.200%				
63) Toluene-d8	8.641	98	163004	29.865	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.533%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	8269	4.942	ug/l		90
3) Chloromethane	1.295	50	9993	4.986	ug/l		99
4) Vinyl Chloride	1.374	62	9648	4.989	ug/l		97
5) Bromomethane	1.593	94	3693	5.486	ug/l		95
6) Chloroethane	1.666	64	6026	5.753	ug/l	#	88
7) Trichlorofluoromethane	1.874	101	13174	5.068	ug/l		95
8) Diethyl Ether	2.130	74	4984	5.068	ug/l		100
9) 1,1,2-Trichlorotrifluo...	2.319	101	7865	5.095	ug/l		99
10) 1,1-Dichloroethene	2.313	96	7277	4.826	ug/l		90
11) Methyl Iodide	2.447	142	6353	3.722	ug/l		92
12) Methyl Acetate	2.697	43	8331	4.758	ug/l		99
13) Acrolein	2.233	56	8331	23.736	ug/l		98
14) Acrylonitrile	3.063	53	19916	23.285	ug/l		98
15) Acetone	2.380	58	6140	26.175	ug/l		89
16) Carbon Disulfide	2.502	76	20739	4.849	ug/l		98
17) Allyl chloride	2.654	41	13453	4.770	ug/l		99
18) Methylene Chloride	2.782	84	8146	4.803	ug/l		96
19) trans-1,2-Dichloroethene	3.081	96	7385	4.841	ug/l		90
20) Diisopropyl ether	3.751	45	25687	4.740	ug/l	#	87
21) 1,1-Dichloroethane	3.599	63	14970	4.967	ug/l		99
22) cis-1,2-Dichloroethene	4.477	96	9065	4.959	ug/l		95
23) tert-Butyl Alcohol	2.971	59	7280m	24.352	ug/l		
24) Methyl tert-Butyl Ether	3.105	73	23498	4.775	ug/l		96
25) Chloroform	5.087	83	14134	4.855	ug/l		99
26) Cyclohexane	5.452	56	13400	4.816	ug/l	#	98
29) 1,1-Dichloropropene	5.690	75	9965	5.032	ug/l		97
30) 2-Butanone	4.562	43	28712	25.103	ug/l		97
31) 2,2-Dichloropropane	4.459	77	11020	4.922	ug/l	#	69
32) 1,1,1-Trichloroethane	5.373	97	12088	5.038	ug/l		99
33) Carbon Tetrachloride	5.666	117	10269	5.071	ug/l		91
34) Benzene	6.031	78	31321	5.044	ug/l		97
35) Methacrylonitrile	4.916	41	5515m	4.506	ug/l		
36) 1,2-Dichloroethane	6.074	62	10725	5.045	ug/l	#	82
37) Trichloroethene	7.123	130	7309	5.031	ug/l		95
38) Methylcyclohexane	7.373	83	13407	5.042	ug/l		95
39) 1,2-Dichloropropane	7.428	63	7710	4.994	ug/l		96
40) Dibromomethane	7.574	93	5709	5.153	ug/l		97
41) Bromodichloromethane	7.818	83	10949	4.973	ug/l		97
42) Vinyl Acetate	3.715	43	101864	22.951	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045008.D
Acq On : 21 Feb 2025 09:58
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 22 00:46:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone
02/24/2025
Supervised By :Mahesh Dadoda
02/24/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	4.709	43	9903	4.617 ug/l #	78
44) Isopropyl Acetate	6.336	43	15951	4.518 ug/l	95
45) 1,4-Dioxane	7.665	88	3476	94.718 ug/l #	94
46) Methyl methacrylate	7.696	41	7550	4.362 ug/l	95
47) n-amyl Acetate	10.842	43	12931	4.221 ug/l	99
48) t-1,3-Dichloropropene	8.976	75	9461	4.458 ug/l	95
49) cis-1,3-Dichloropropene	8.366	75	11016	4.585 ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	7268	5.030 ug/l	96
51) Ethyl methacrylate	9.116	69	9742	4.287 ug/l	97
52) 1,3-Dichloropropane	9.305	76	12611	4.981 ug/l	99
53) Dibromochloromethane	9.519	129	7657	4.791 ug/l	97
54) 1,2-Dibromoethane	9.610	107	7119	4.851 ug/l	95
55) 2-Chloroethyl vinyl ether	8.238	63	26987	23.123 ug/l	97
56) Bromoform	10.799	173	4498	4.491 ug/l	97
58) 4-Methyl-2-Pentanone	8.568	43	52017	23.177 ug/l	99
59) 2-Hexanone	9.427	43	36637	22.584 ug/l	99
61) Tetrachloroethene	9.269	164	6401	5.269 ug/l	99
62) Toluene	8.714	91	33141	5.071 ug/l	95
64) Chlorobenzene	10.073	112	20106	4.965 ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	6593	4.934 ug/l	98
66) Ethyl Benzene	10.189	91	34439	4.813 ug/l	97
67) m/p-Xylenes	10.299	106	25804	9.679 ug/l	98
68) o-Xylene	10.640	106	12618	4.824 ug/l	97
69) Styrene	10.653	104	20710	4.741 ug/l	97
70) Isopropylbenzene	10.957	105	32576	4.826 ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	10940	4.929 ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	8856m	4.851 ug/l	
73) Bromobenzene	11.195	156	7592	4.886 ug/l	99
74) n-propylbenzene	11.299	91	37507	4.669 ug/l	99
75) 2-Chlorotoluene	11.360	91	24091	4.961 ug/l	97
76) 1,3,5-Trimethylbenzene	11.445	105	26935	4.837 ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	2182	3.552 ug/l	82
78) 4-Chlorotoluene	11.451	91	25983	4.800 ug/l	99
79) tert-butylbenzene	11.713	119	26773	4.772 ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	26568	4.763 ug/l	97
81) sec-Butylbenzene	11.884	105	33807	4.801 ug/l	99
82) p-Isopropyltoluene	12.006	119	26547	4.653 ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	14060	4.863 ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	13556	4.755 ug/l	95
85) n-Butylbenzene	12.329	91	22634	4.344 ug/l	99
86) Hexachloroethane	12.536	117	4340	4.313 ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	14188	5.001 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	2067	4.810 ug/l	86
89) 1,2,4-Trichlorobenzene	13.585	180	7586	4.412 ug/l	98
90) Hexachlorobutadiene	13.725	225	3570	5.091 ug/l	96
91) Naphthalene	13.774	128	26410	4.356 ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	8240	4.655 ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045008.D
Acq On : 21 Feb 2025 09:58
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 22 00:46:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

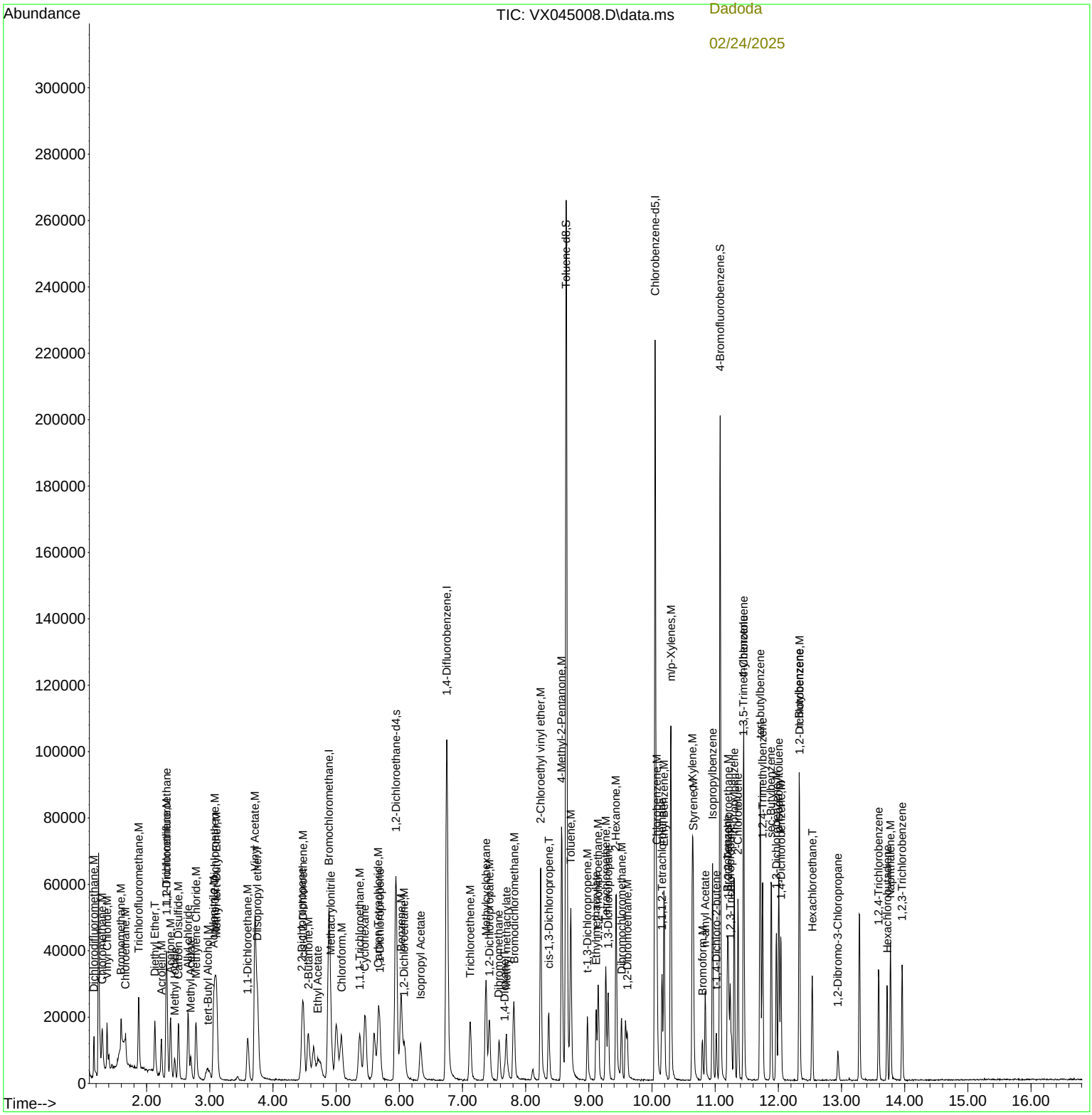
Manual Integrations APPROVED

Reviewed By :John Carlone

02/24/2025

Supervised By :Mahesh Dadoda

02/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045009.D
Acq On : 21 Feb 2025 10:21
Operator : JC/MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 22 00:47:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.885	128	18456	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	100876	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	91818	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	53173	29.663	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.867%			
60) 4-Bromofluorobenzene	11.079	95	51382	29.939	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.800%			
63) Toluene-d8	8.641	98	153274	30.175	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	30488	19.596	ug/l	100
3) Chloromethane	1.295	50	36739	19.715	ug/l	100
4) Vinyl Chloride	1.374	62	34827	19.369	ug/l	100
5) Bromomethane	1.593	94	12009	19.186	ug/l	100
6) Chloroethane	1.666	64	20465	21.014	ug/l	100
7) Trichlorofluoromethane	1.874	101	45678	18.901	ug/l	100
8) Diethyl Ether	2.130	74	17586	19.233	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	26971	18.790	ug/l	100
10) 1,1-Dichloroethene	2.313	96	26361	18.802	ug/l	100
11) Methyl Iodide	2.447	142	26786	16.880	ug/l	100
12) Methyl Acetate	2.697	43	30401	18.673	ug/l	100
13) Acrolein	2.233	56	29114	89.216	ug/l	100
14) Acrylonitrile	3.056	53	76500	96.198	ug/l	100
15) Acetone	2.380	58	21647	99.253	ug/l	100
16) Carbon Disulfide	2.502	76	73699	18.532	ug/l	100
17) Allyl chloride	2.660	41	48603	18.535	ug/l	100
18) Methylene Chloride	2.782	84	30537	19.365	ug/l	100
19) trans-1,2-Dichloroethene	3.081	96	26955	19.003	ug/l	100
20) Diisopropyl ether	3.751	45	95769	19.005	ug/l	100
21) 1,1-Dichloroethane	3.605	63	53432	19.066	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	32387	19.054	ug/l	100
23) tert-Butyl Alcohol	2.983	59	26136	94.028	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	86386	18.878	ug/l	100
25) Chloroform	5.087	83	52389	19.354	ug/l	100
26) Cyclohexane	5.465	56	49670	19.201	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	36104	19.456	ug/l	100
30) 2-Butanone	4.550	43	104263	97.278	ug/l	100
31) 2,2-Dichloropropane	4.465	77	39511	18.830	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	43317	19.266	ug/l	100
33) Carbon Tetrachloride	5.666	117	36851	19.421	ug/l	100
34) Benzene	6.032	78	114107	19.609	ug/l	100
35) Methacrylonitrile	4.910	41	22376	19.509	ug/l	100
36) 1,2-Dichloroethane	6.080	62	39058	19.604	ug/l	100
37) Trichloroethene	7.117	130	26892	19.753	ug/l	100
38) Methylcyclohexane	7.373	83	47088	18.899	ug/l	100
39) 1,2-Dichloropropane	7.428	63	28555	19.738	ug/l	100
40) Dibromomethane	7.580	93	20254	19.509	ug/l	100
41) Bromodichloromethane	7.818	83	39895	19.335	ug/l	100
42) Vinyl Acetate	3.715	43	400180	96.216	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045009.D
Acq On : 21 Feb 2025 10:21
Operator : JC/MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 22 00:47:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	38893	19.350	ug/l	100
44) Isopropyl Acetate	6.336	43	61693	18.649	ug/l	100
45) 1,4-Dioxane	7.659	88	14028	407.910	ug/l	100
46) Methyl methacrylate	7.690	41	30666	18.904	ug/l	100
47) n-amyl Acetate	10.842	43	54008	18.814	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	35645	17.922	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	42718	18.974	ug/l	100
50) 1,1,2-Trichloroethane	9.147	97	27147	20.047	ug/l	100
51) Ethyl methacrylate	9.110	69	39389	18.495	ug/l	100
52) 1,3-Dichloropropane	9.305	76	47373	19.965	ug/l	100
53) Dibromochloromethane	9.519	129	29289	19.556	ug/l	100
54) 1,2-Dibromoethane	9.604	107	26948	19.597	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	105624	96.576	ug/l	100
56) Bromoform	10.799	173	17331	18.467	ug/l	100
58) 4-Methyl-2-Pentanone	8.568	43	208023	99.596	ug/l	100
59) 2-Hexanone	9.427	43	149308	98.899	ug/l	100
61) Tetrachloroethene	9.269	164	22529	19.926	ug/l	100
62) Toluene	8.714	91	119473	19.642	ug/l	100
64) Chlorobenzene	10.073	112	74287	19.710	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	24135	19.406	ug/l	100
66) Ethyl Benzene	10.189	91	128535	19.302	ug/l	100
67) m/p-Xylenes	10.299	106	99887	40.260	ug/l	100
68) o-Xylene	10.640	106	48859	20.071	ug/l	100
69) Styrene	10.653	104	80660	19.839	ug/l	100
70) Isopropylbenzene	10.957	105	124935	19.888	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	40659	19.683	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	33046m	19.450	ug/l	
73) Bromobenzene	11.195	156	28601	19.777	ug/l	100
74) n-propylbenzene	11.299	91	146105	19.544	ug/l	100
75) 2-Chlorotoluene	11.360	91	89859	19.883	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	103532	19.977	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	9794	17.133	ug/l	100
78) 4-Chlorotoluene	11.451	91	99015	19.654	ug/l	100
79) tert-butylbenzene	11.713	119	104250	19.965	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	104388	20.108	ug/l	100
81) sec-Butylbenzene	11.884	105	129645	19.783	ug/l	100
82) p-Isopropyltoluene	12.006	119	104594	19.698	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	53471	19.873	ug/l	100
84) 1,4-Dichlorobenzene	12.037	146	52302	19.714	ug/l	100
85) n-Butylbenzene	12.329	91	92551	19.087	ug/l	100
86) Hexachloroethane	12.536	117	17240	18.410	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	53134	20.126	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	7393	18.485	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	30018	18.760	ug/l	100
90) Hexachlorobutadiene	13.725	225	12822	19.649	ug/l	100
91) Naphthalene	13.774	128	108844	19.291	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	32019	19.437	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

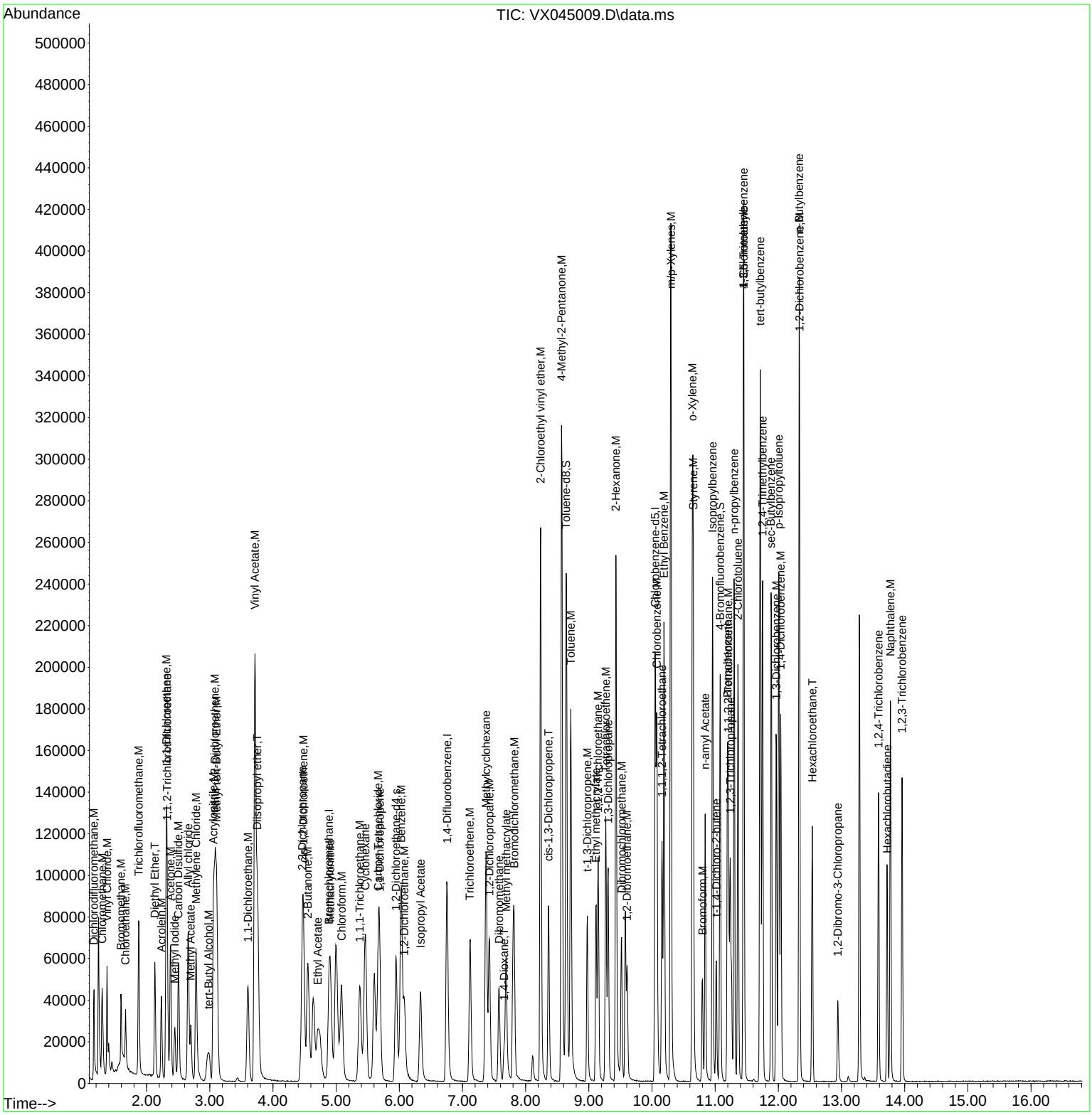
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045009.D
Acq On : 21 Feb 2025 10:21
Operator : JC/MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 22 00:47:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045010.D
Acq On : 21 Feb 2025 10:44
Operator : JC/MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 22 00:48:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	17467	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	96411	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	89300	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	49656	29.270	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.567%			
60) 4-Bromofluorobenzene	11.079	95	50413	30.203	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.667%			
63) Toluene-d8	8.647	98	147315	29.819	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	74849	50.833	ug/l	98
3) Chloromethane	1.294	50	90776	51.472	ug/l	98
4) Vinyl Chloride	1.374	62	84944	49.915	ug/l	100
5) Bromomethane	1.593	94	28963	48.894	ug/l	97
6) Chloroethane	1.672	64	51012	55.346	ug/l	92
7) Trichlorofluoromethane	1.880	101	115517	50.505	ug/l	95
8) Diethyl Ether	2.130	74	43032	49.726	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	68750	50.609	ug/l	97
10) 1,1-Dichloroethene	2.312	96	66962	50.466	ug/l	92
11) Methyl Iodide	2.447	142	81166	54.046	ug/l	97
12) Methyl Acetate	2.697	43	78286	50.808	ug/l	100
13) Acrolein	2.233	56	76736	248.462	ug/l	98
14) Acrylonitrile	3.056	53	196184	260.667	ug/l	99
15) Acetone	2.373	58	51483	249.418	ug/l	95
16) Carbon Disulfide	2.508	76	188973	50.210	ug/l	100
17) Allyl chloride	2.660	41	125778	50.682	ug/l	98
18) Methylene Chloride	2.782	84	76235	51.081	ug/l	98
19) trans-1,2-Dichloroethene	3.087	96	68253	50.843	ug/l	94
20) Diisopropyl ether	3.751	45	243734	51.107	ug/l	96
21) 1,1-Dichloroethane	3.599	63	131223	49.475	ug/l	100
22) cis-1,2-Dichloroethene	4.477	96	79440	49.382	ug/l	97
23) tert-Butyl Alcohol	2.959	59	69182	262.986	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	218792	50.521	ug/l	99
25) Chloroform	5.086	83	128252	50.062	ug/l	99
26) Cyclohexane	5.458	56	124373	50.802	ug/l #	98
29) 1,1-Dichloropropene	5.684	75	90516	51.038	ug/l	99
30) 2-Butanone	4.544	43	267770	261.401	ug/l	99
31) 2,2-Dichloropropane	4.465	77	101966	50.846	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	110282	51.322	ug/l	99
33) Carbon Tetrachloride	5.672	117	92530	51.023	ug/l	99
34) Benzene	6.031	78	286826	51.573	ug/l	98
35) Methacrylonitrile	4.910	41	59021	53.843	ug/l	98
36) 1,2-Dichloroethane	6.080	62	96405	50.630	ug/l	98
37) Trichloroethene	7.116	130	66131	50.826	ug/l	95
38) Methylcyclohexane	7.373	83	122650	51.506	ug/l	98
39) 1,2-Dichloropropane	7.421	63	68553	49.579	ug/l	97
40) Dibromomethane	7.574	93	50034	50.426	ug/l	99
41) Bromodichloromethane	7.818	83	100442	50.932	ug/l	99
42) Vinyl Acetate	3.715	43	1047506	263.518	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045010.D
Acq On : 21 Feb 2025 10:44
Operator : JC/MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 00:48:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	97995	51.012	ug/l	98
44) Isopropyl Acetate	6.330	43	165983	52.497	ug/l	99
45) 1,4-Dioxane	7.653	88	36320	1105.035	ug/l	98
46) Methyl methacrylate	7.690	41	82008	52.896	ug/l	99
47) n-amyl Acetate	10.841	43	148104	53.981	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	98986	52.075	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	110953	51.564	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	66444	51.339	ug/l	97
51) Ethyl methacrylate	9.110	69	108669	53.387	ug/l	97
52) 1,3-Dichloropropane	9.305	76	116358	51.310	ug/l	99
53) Dibromochloromethane	9.518	129	73437	51.304	ug/l	96
54) 1,2-Dibromoethane	9.604	107	67926	51.685	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	272372	260.575	ug/l	100
56) Bromoform	10.799	173	47891	53.392	ug/l	99
58) 4-Methyl-2-Pentanone	8.567	43	543908	267.752	ug/l	100
59) 2-Hexanone	9.427	43	398198	271.195	ug/l	99
61) Tetrachloroethene	9.269	164	54607	49.659	ug/l	94
62) Toluene	8.714	91	296930	50.195	ug/l	100
64) Chlorobenzene	10.073	112	185159	50.511	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	60773	50.244	ug/l	99
66) Ethyl Benzene	10.189	91	330414	51.018	ug/l	98
67) m/p-Xylenes	10.299	106	244916	101.498	ug/l	97
68) o-Xylene	10.640	106	120934	51.080	ug/l	100
69) Styrene	10.652	104	202875	51.306	ug/l	99
70) Isopropylbenzene	10.957	105	310911	50.888	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	104665	52.096	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	86752m	52.499	ug/l	
73) Bromobenzene	11.195	156	72207	51.338	ug/l	99
74) n-propylbenzene	11.299	91	377855	51.970	ug/l	99
75) 2-Chlorotoluene	11.360	91	223666	50.885	ug/l	100
76) 1,3,5-Trimethylbenzene	11.445	105	260432	51.669	ug/l	99
77) t-1,4-Dichloro-2-butene	11.012	75	29634	53.302	ug/l	95
78) 4-Chlorotoluene	11.451	91	250953	51.217	ug/l	99
79) tert-butylbenzene	11.713	119	264815	52.144	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	263122	52.114	ug/l	100
81) sec-Butylbenzene	11.884	105	328940	51.608	ug/l	100
82) p-Isopropyltoluene	12.006	119	269490	52.183	ug/l	98
83) 1,3-Dichlorobenzene	11.963	146	134685	51.467	ug/l	98
84) 1,4-Dichlorobenzene	12.036	146	135436	52.490	ug/l	99
85) n-Butylbenzene	12.329	91	249242	52.851	ug/l	98
86) Hexachloroethane	12.536	117	47866	52.555	ug/l	98
87) 1,2-Dichlorobenzene	12.329	146	133123	51.846	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	19763	50.807	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	80472	51.710	ug/l	99
90) Hexachlorobutadiene	13.725	225	31734	50.003	ug/l	99
91) Naphthalene	13.774	128	288823	52.634	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	81734	51.015	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

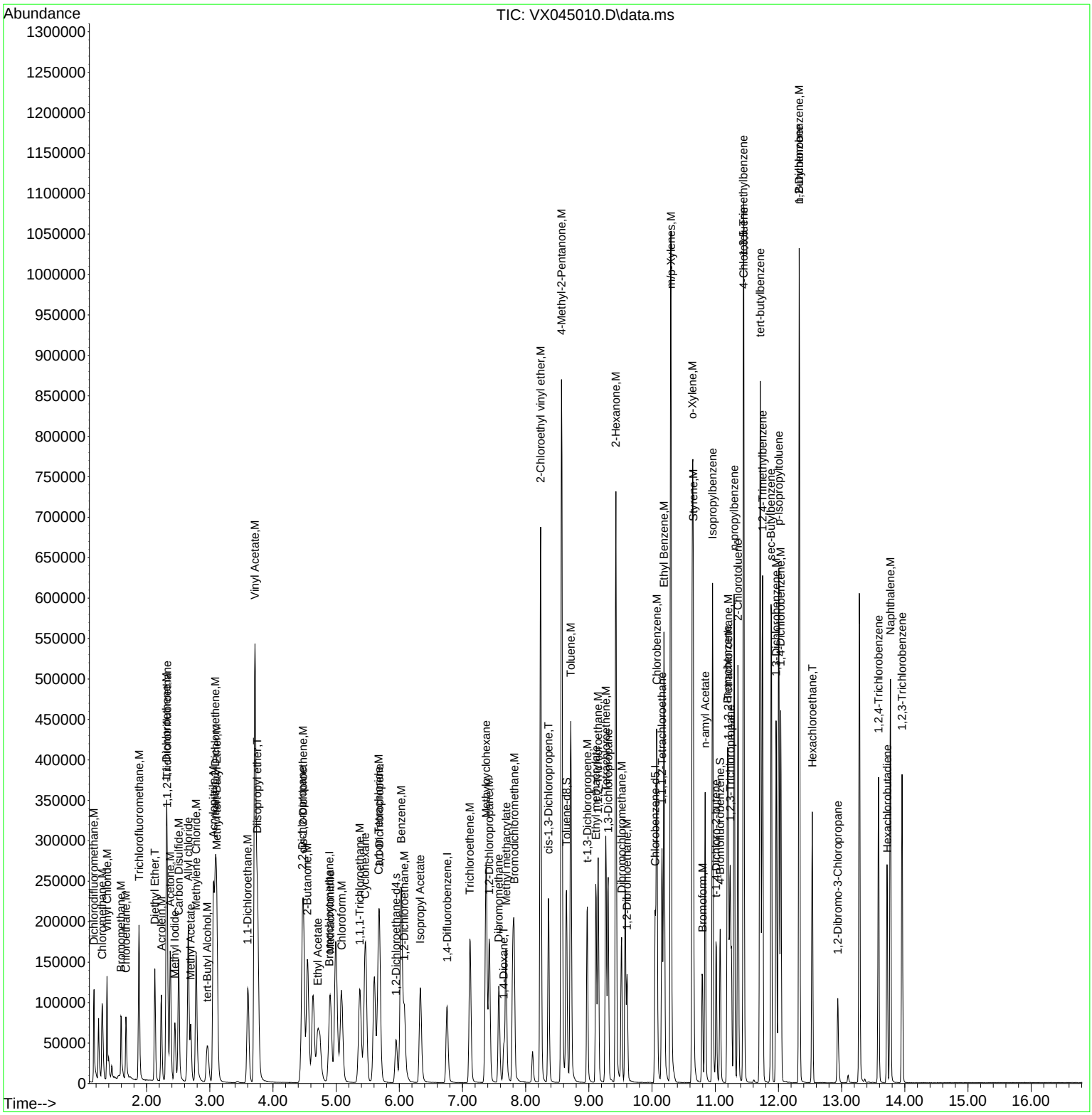
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045010.D
Acq On : 21 Feb 2025 10:44
Operator : JC/MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 00:48:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045011.D
Acq On : 21 Feb 2025 11:07
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 22 00:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	17332	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	98516	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	88321	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	50601	30.059	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.200%			
60) 4-Bromofluorobenzene	11.079	95	49683	30.096	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.333%			
63) Toluene-d8	8.647	98	148078	30.306	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.033%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	140259	95.997	ug/l	97
3) Chloromethane	1.294	50	166114	94.924	ug/l	99
4) Vinyl Chloride	1.374	62	163236	96.669	ug/l	99
5) Bromomethane	1.593	94	54558	92.819	ug/l	95
6) Chloroethane	1.666	64	84688	92.599	ug/l	97
7) Trichlorofluoromethane	1.874	101	220045	96.956	ug/l	96
8) Diethyl Ether	2.130	74	82964	96.616	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	129494	96.068	ug/l	98
10) 1,1-Dichloroethene	2.313	96	130666	99.244	ug/l	94
11) Methyl Iodide	2.447	142	161844	108.607	ug/l	98
12) Methyl Acetate	2.703	43	150865	98.675	ug/l	99
13) Acrolein	2.233	56	156104	509.382	ug/l	97
14) Acrylonitrile	3.062	53	370914	496.667	ug/l	99
15) Acetone	2.380	58	97560	476.326	ug/l	98
16) Carbon Disulfide	2.502	76	371874	99.576	ug/l	100
17) Allyl chloride	2.654	41	246065	99.923	ug/l	98
18) Methylene Chloride	2.782	84	144938	97.871	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	130562	98.015	ug/l	97
20) Diisopropyl ether	3.757	45	470167	99.355	ug/l #	82
21) 1,1-Dichloroethane	3.605	63	258430	98.196	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	156933	98.314	ug/l	99
23) tert-Butyl Alcohol	2.989	59	125570	481.055	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	426471	99.244	ug/l	99
25) Chloroform	5.080	83	248045	97.577	ug/l	99
26) Cyclohexane	5.458	56	236876	97.509	ug/l #	98
29) 1,1-Dichloropropene	5.684	75	174620	96.357	ug/l	100
30) 2-Butanone	4.550	43	505036	482.489	ug/l	99
31) 2,2-Dichloropropane	4.465	77	202370	98.758	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	211623	96.379	ug/l	99
33) Carbon Tetrachloride	5.666	117	178685	96.425	ug/l	99
34) Benzene	6.031	78	548369	96.492	ug/l	99
35) Methacrylonitrile	4.910	41	111962	99.957	ug/l	97
36) 1,2-Dichloroethane	6.080	62	189437	97.362	ug/l	98
37) Trichloroethene	7.117	130	128134	96.375	ug/l	97
38) Methylcyclohexane	7.373	83	237839	97.744	ug/l	97
39) 1,2-Dichloropropane	7.421	63	140148	99.193	ug/l	98
40) Dibromomethane	7.574	93	97805	96.465	ug/l	99
41) Bromodichloromethane	7.818	83	197339	97.929	ug/l	99
42) Vinyl Acetate	3.715	43	2042535	502.855	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045011.D
Acq On : 21 Feb 2025 11:07
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 22 00:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	199092	101.424	ug/l	97
44) Isopropyl Acetate	6.336	43	329903	102.113	ug/l	99
45) 1,4-Dioxane	7.659	88	63728	1897.493	ug/l	98
46) Methyl methacrylate	7.690	41	162523	102.589	ug/l	100
47) n-amyl Acetate	10.842	43	282922	100.917	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	202810	104.416	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	223833	101.800	ug/l	100
50) 1,1,2-Trichloroethane	9.147	97	127690	96.553	ug/l	95
51) Ethyl methacrylate	9.110	69	214475	103.117	ug/l	97
52) 1,3-Dichloropropane	9.305	76	222694	96.102	ug/l	99
53) Dibromochloromethane	9.519	129	144384	98.713	ug/l	97
54) 1,2-Dibromoethane	9.604	107	130524	97.194	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	535473	501.334	ug/l	99
56) Bromoform	10.799	173	92416	100.830	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	983713	489.624	ug/l	99
59) 2-Hexanone	9.427	43	708849	488.118	ug/l	98
61) Tetrachloroethene	9.269	164	104854	96.410	ug/l	97
62) Toluene	8.714	91	575772	98.410	ug/l	99
64) Chlorobenzene	10.073	112	359123	99.055	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	117602	98.304	ug/l	98
66) Ethyl Benzene	10.189	91	641324	100.122	ug/l	97
67) m/p-Xylenes	10.299	106	470322	197.072	ug/l	98
68) o-Xylene	10.640	106	230392	98.392	ug/l	100
69) Styrene	10.653	104	387436	99.067	ug/l	98
70) Isopropylbenzene	10.957	105	596402	98.698	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	190591	95.916	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	158994m	97.283	ug/l	
73) Bromobenzene	11.195	156	136270	97.960	ug/l	98
74) n-propylbenzene	11.299	91	717361	99.759	ug/l	99
75) 2-Chlorotoluene	11.360	91	421424	96.938	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	487050	97.701	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	59873	108.886	ug/l	98
78) 4-Chlorotoluene	11.451	91	477861	98.607	ug/l	98
79) tert-butylbenzene	11.713	119	490816	97.716	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	486770	97.478	ug/l	100
81) sec-Butylbenzene	11.890	105	616448	97.788	ug/l	100
82) p-Isopropyltoluene	12.006	119	510223	99.893	ug/l	99
83) 1,3-Dichlorobenzene	11.963	146	250755	96.883	ug/l	98
84) 1,4-Dichlorobenzene	12.036	146	249668	97.834	ug/l	99
85) n-Butylbenzene	12.329	91	476457	102.150	ug/l	98
86) Hexachloroethane	12.536	117	92493	102.679	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	240056	94.528	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	37960	98.669	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	158594	103.039	ug/l	98
90) Hexachlorobutadiene	13.719	225	60565	96.489	ug/l	98
91) Naphthalene	13.774	128	548026	100.977	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	158881	100.267	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

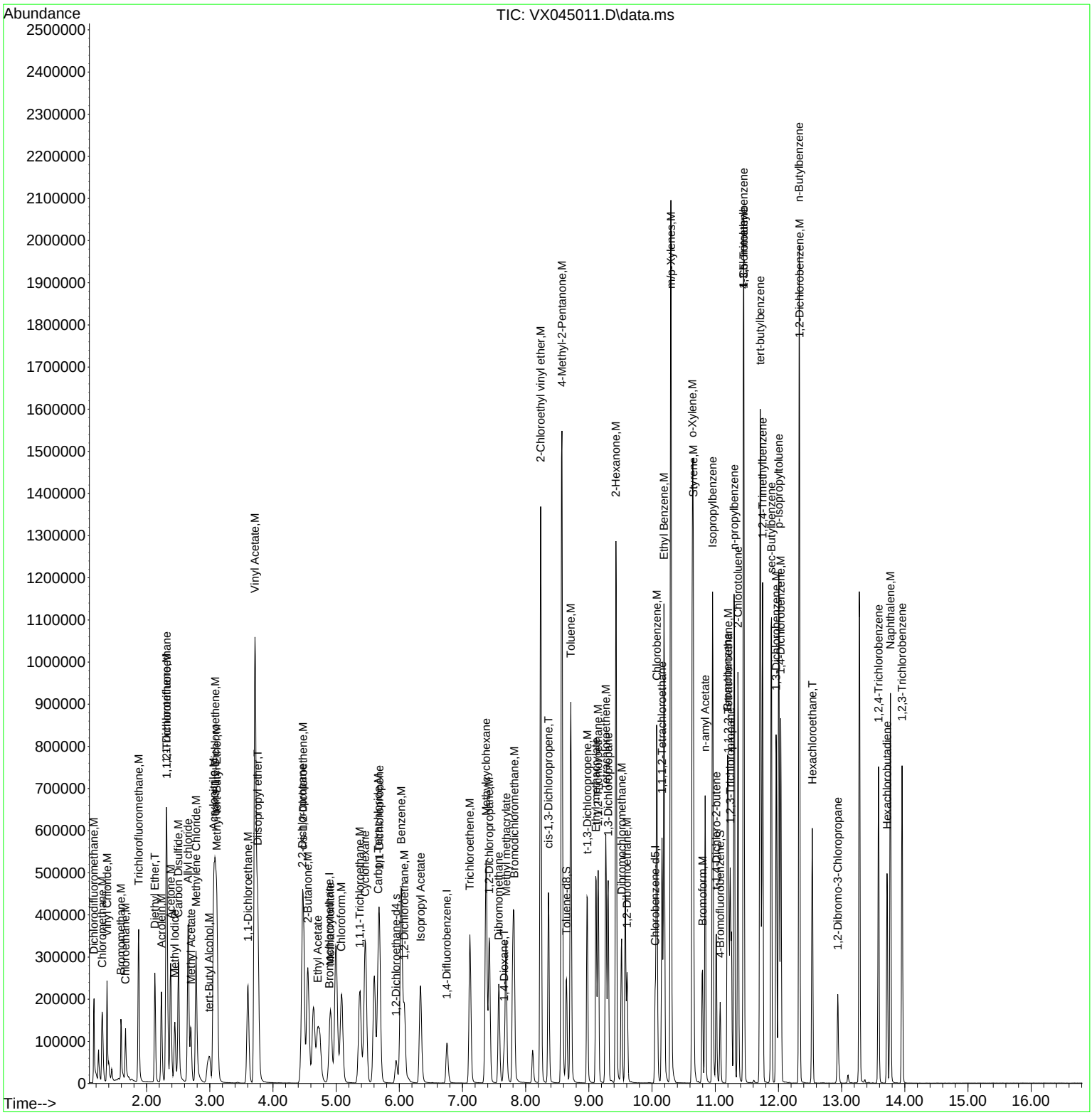
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045011.D
Acq On : 21 Feb 2025 11:07
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 22 00:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045012.D
Acq On : 21 Feb 2025 11:29
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 22 00:49:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	15390	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	91158	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	81702	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	46852	31.344	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.467%			
60) 4-Bromofluorobenzene	11.079	95	47199	30.907	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.033%			
63) Toluene-d8	8.647	98	134852	29.835	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.467%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	205354	158.286	ug/l	96
3) Chloromethane	1.295	50	242022	155.752	ug/l	100
4) Vinyl Chloride	1.374	62	240390	160.323	ug/l	100
5) Bromomethane	1.593	94	81221	155.617	ug/l	97
6) Chloroethane	1.660	64	93284	114.868	ug/l	97
7) Trichlorofluoromethane	1.868	101	320914	159.243	ug/l	97
8) Diethyl Ether	2.130	74	121707	159.619	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	191867	160.302	ug/l	98
10) 1,1-Dichloroethene	2.307	96	191658	163.938	ug/l	90
11) Methyl Iodide	2.447	142	247014	186.677	ug/l	97
12) Methyl Acetate	2.703	43	226419	166.780	ug/l	99
13) Acrolein	2.233	56	233841	859.331	ug/l	99
14) Acrylonitrile	3.062	53	532462	802.955	ug/l	99
15) Acetone	2.386	58	137785	757.609	ug/l	98
16) Carbon Disulfide	2.502	76	548971	165.547	ug/l	99
17) Allyl chloride	2.654	41	362889	165.958	ug/l	100
18) Methylene Chloride	2.782	84	211221	160.628	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	192443	162.701	ug/l	97
20) Diisopropyl ether	3.757	45	684590	162.921	ug/l #	84
21) 1,1-Dichloroethane	3.599	63	379249	162.287	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	230636	162.719	ug/l	98
23) tert-Butyl Alcohol	3.014	59	185225m	799.131	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	628626	164.746	ug/l	100
25) Chloroform	5.087	83	367141	162.652	ug/l	100
26) Cyclohexane	5.464	56	351233	162.829	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	260684	155.458	ug/l	99
30) 2-Butanone	4.550	43	735492	759.373	ug/l	100
31) 2,2-Dichloropropane	4.465	77	304225	160.447	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	316595	155.824	ug/l	99
33) Carbon Tetrachloride	5.672	117	264905	154.492	ug/l	98
34) Benzene	6.031	78	800159	152.163	ug/l	99
35) Methacrylonitrile	4.916	41	162761	157.037	ug/l	96
36) 1,2-Dichloroethane	6.080	62	276707	153.695	ug/l	97
37) Trichloroethene	7.117	130	189307	153.878	ug/l	96
38) Methylcyclohexane	7.373	83	350907	155.851	ug/l	98
39) 1,2-Dichloropropane	7.421	63	202146	154.621	ug/l	98
40) Dibromomethane	7.574	93	143641	153.109	ug/l	99
41) Bromodichloromethane	7.818	83	291108	156.122	ug/l	99
42) Vinyl Acetate	3.715	43	2988086	795.020	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045012.D
Acq On : 21 Feb 2025 11:29
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 22 00:49:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	292788	161.195	ug/l	97
44) Isopropyl Acetate	6.336	43	490033	163.920	ug/l	99
45) 1,4-Dioxane	7.665	88	91297	2937.775	ug/l	98
46) Methyl methacrylate	7.690	41	241575	164.798	ug/l	97
47) n-amyl Acetate	10.842	43	438261	168.943	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	303740	169.001	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	331118	162.750	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	183455	149.917	ug/l	95
51) Ethyl methacrylate	9.116	69	323054	167.857	ug/l	100
52) 1,3-Dichloropropane	9.305	76	327551	152.762	ug/l	99
53) Dibromochloromethane	9.519	129	213326	157.620	ug/l	97
54) 1,2-Dibromoethane	9.604	107	194634	156.632	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	788934	798.256	ug/l	99
56) Bromoform	10.799	173	140224	165.340	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	1431130	770.025	ug/l	99
59) 2-Hexanone	9.433	43	1054503	784.964	ug/l	99
61) Tetrachloroethene	9.269	164	149808	148.903	ug/l	95
62) Toluene	8.714	91	824606	152.359	ug/l	100
64) Chlorobenzene	10.073	112	513552	153.126	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	175139	158.260	ug/l	98
66) Ethyl Benzene	10.189	91	933862	157.604	ug/l	97
67) m/p-Xylenes	10.299	106	679028	307.573	ug/l	97
68) o-Xylene	10.640	106	333410	153.922	ug/l	98
69) Styrene	10.653	104	566072	156.470	ug/l	97
70) Isopropylbenzene	10.957	105	868382	155.350	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	283733	154.359	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	234613m	155.182	ug/l	
73) Bromobenzene	11.195	156	198360	154.147	ug/l	96
74) n-propylbenzene	11.299	91	1049645	157.793	ug/l	98
75) 2-Chlorotoluene	11.360	91	619308	153.997	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	707908	153.508	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	97507	191.694	ug/l	99
78) 4-Chlorotoluene	11.451	91	704032	157.047	ug/l	98
79) tert-butylbenzene	11.713	119	716064	154.110	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	710215	153.746	ug/l	100
81) sec-Butylbenzene	11.890	105	910294	156.100	ug/l	100
82) p-Isopropyltoluene	12.006	119	738494	156.297	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	371922	155.340	ug/l	98
84) 1,4-Dichlorobenzene	12.036	146	366532	155.264	ug/l	99
85) n-Butylbenzene	12.329	91	710846	164.749	ug/l	98
86) Hexachloroethane	12.536	117	142372	170.855	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	356347	151.688	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	59310	166.653	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	238129	167.248	ug/l	98
90) Hexachlorobutadiene	13.725	225	90085	155.145	ug/l	98
91) Naphthalene	13.774	128	829698	165.262	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	236181	161.124	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

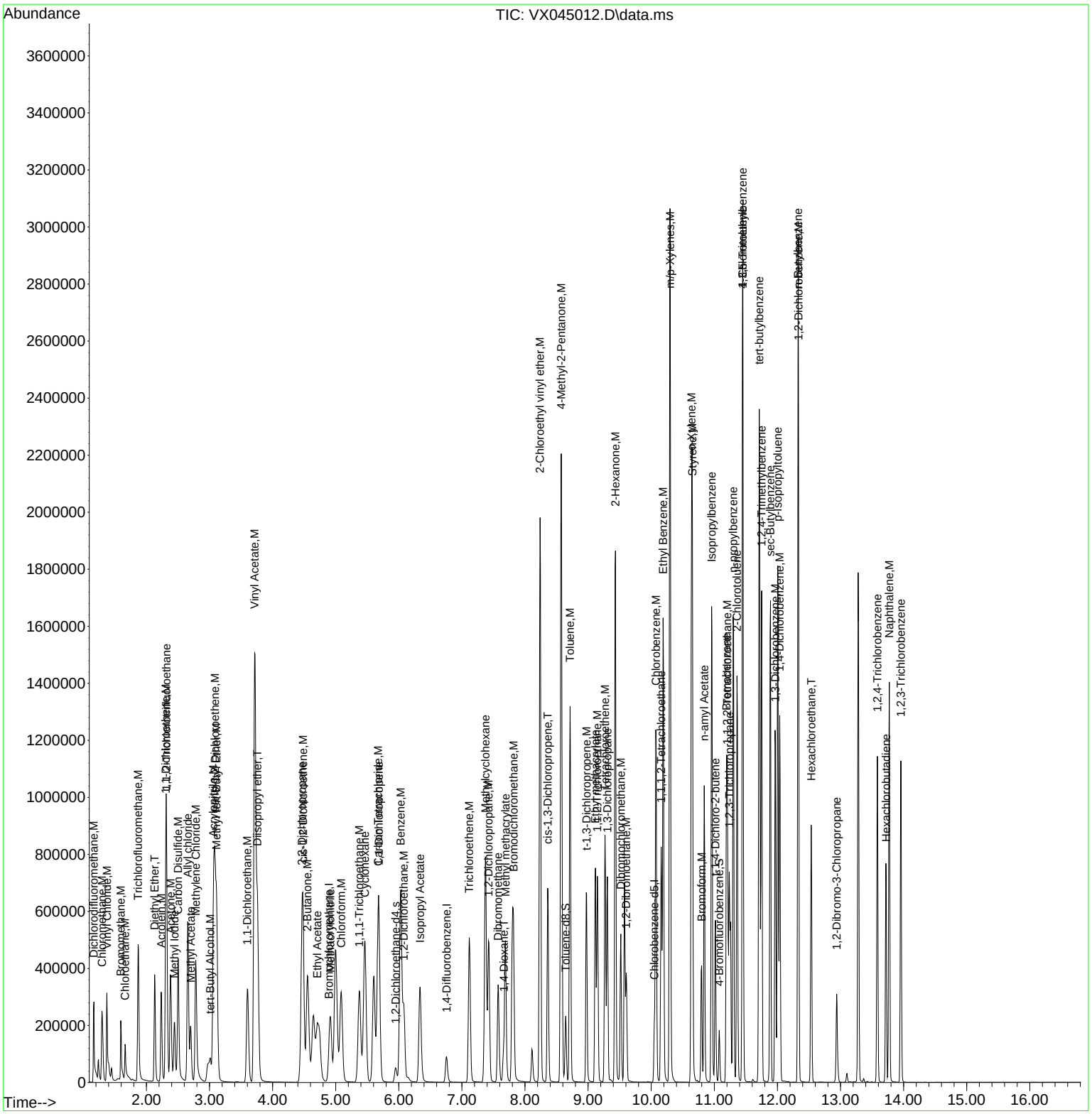
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045012.D
Acq On : 21 Feb 2025 11:29
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 22 00:49:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:21:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045014.D
Acq On : 21 Feb 2025 13:09
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022125

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 22 01:12:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.885	128	17826	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	98652	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	90634	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	51483	29.736	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.133%			
60) 4-Bromofluorobenzene	11.079	95	50982	30.094	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.300%			
63) Toluene-d8	8.641	98	148516	29.620	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.733%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27388	18.226	ug/l	95
3) Chloromethane	1.294	50	32169	17.873	ug/l	99
4) Vinyl Chloride	1.374	62	30221	17.401	ug/l	99
5) Bromomethane	1.593	94	11792	19.506	ug/l	97
6) Chloroethane	1.666	64	19435	20.662	ug/l	96
7) Trichlorofluoromethane	1.874	101	41534	17.793	ug/l	96
8) Diethyl Ether	2.130	74	15203	17.214	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	25031	18.055	ug/l	97
10) 1,1-Dichloroethene	2.313	96	24494	18.088	ug/l	95
11) Methyl Iodide	2.441	142	24257	15.827	ug/l	95
12) Methyl Acetate	2.697	43	28582	18.176	ug/l	99
13) Acrolein	2.233	56	30003	95.190	ug/l	100
14) Acrylonitrile	3.056	53	68921	89.730	ug/l	99
15) Acetone	2.374	58	22947	108.932	ug/l	97
16) Carbon Disulfide	2.502	76	68739	17.896	ug/l	100
17) Allyl chloride	2.654	41	45112	17.812	ug/l	99
18) Methylene Chloride	2.782	84	26839	17.621	ug/l	92
19) trans-1,2-Dichloroethene	3.081	96	24421	17.825	ug/l	92
20) Diisopropyl ether	3.751	45	86878	17.850	ug/l	90
21) 1,1-Dichloroethane	3.599	63	47892	17.693	ug/l	99
22) cis-1,2-Dichloroethene	4.471	96	29051	17.695	ug/l	99
23) tert-Butyl Alcohol	2.965	59	24746	92.286	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	78186	17.690	ug/l	100
25) Chloroform	5.074	83	46912	17.943	ug/l	98
26) Cyclohexane	5.458	56	44699	17.890	ug/l #	98
29) 1,1-Dichloropropene	5.678	75	32608	17.969	ug/l	99
30) 2-Butanone	4.544	43	100841	96.206	ug/l	99
31) 2,2-Dichloropropane	4.465	77	37149	18.104	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	39458	17.945	ug/l	99
33) Carbon Tetrachloride	5.666	117	33551	18.080	ug/l	98
34) Benzene	6.025	78	102508	18.013	ug/l	98
35) Methacrylonitrile	4.910	41	20575	18.343	ug/l	97
36) 1,2-Dichloroethane	6.074	62	35686	18.316	ug/l	99
37) Trichloroethene	7.117	130	23875	17.933	ug/l	97
38) Methylcyclohexane	7.373	83	44760	18.370	ug/l	98
39) 1,2-Dichloropropane	7.421	63	24627	17.406	ug/l	98
40) Dibromomethane	7.574	93	18285	18.010	ug/l	99
41) Bromodichloromethane	7.812	83	35606	17.645	ug/l	98
42) Vinyl Acetate	3.709	43	365963	89.973	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045014.D
Acq On : 21 Feb 2025 13:09
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022125

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 22 01:12:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	33559	17.072	ug/l	100
44) Isopropyl Acetate	6.330	43	58216	17.994	ug/l	98
45) 1,4-Dioxane	7.659	88	12655	376.282	ug/l	99
46) Methyl methacrylate	7.684	41	29063	18.320	ug/l	98
47) n-amyl Acetate	10.842	43	50309	17.920	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	33010	16.972	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	38512	17.491	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	24435	18.451	ug/l	96
51) Ethyl methacrylate	9.110	69	37245	17.882	ug/l	97
52) 1,3-Dichloropropane	9.305	76	41224	17.765	ug/l	97
53) Dibromochloromethane	9.519	129	25807	17.620	ug/l	96
54) 1,2-Dibromoethane	9.604	107	23689	17.616	ug/l	96
55) 2-Chloroethyl vinyl ether	8.232	63	91907	85.929	ug/l	100
56) Bromoform	10.799	173	15981	17.412	ug/l	99
58) 4-Methyl-2-Pentanone	8.568	43	192103	93.175	ug/l	99
59) 2-Hexanone	9.427	43	142320	95.501	ug/l	99
61) Tetrachloroethene	9.269	164	19987	17.908	ug/l	95
62) Toluene	8.714	91	107324	17.876	ug/l	98
64) Chlorobenzene	10.073	112	66754	17.942	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	21314	17.362	ug/l	98
66) Ethyl Benzene	10.189	91	119085	18.117	ug/l	95
67) m/p-Xylenes	10.299	106	88668	36.205	ug/l	98
68) o-Xylene	10.634	106	44070	18.340	ug/l	97
69) Styrene	10.653	104	71782	17.886	ug/l	98
70) Isopropylbenzene	10.957	105	112344	18.117	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	37415	18.349	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	30477m	18.172	ug/l	
73) Bromobenzene	11.195	156	26006	18.218	ug/l	99
74) n-propylbenzene	11.299	91	134814	18.269	ug/l	100
75) 2-Chlorotoluene	11.360	91	80948	18.145	ug/l	100
76) 1,3,5-Trimethylbenzene	11.445	105	95320	18.633	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	9008	15.964	ug/l	92
78) 4-Chlorotoluene	11.451	91	90166	18.131	ug/l	99
79) tert-butylbenzene	11.713	119	94943	18.420	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	94408	18.423	ug/l	99
81) sec-Butylbenzene	11.884	105	119426	18.461	ug/l	99
82) p-Isopropyltoluene	12.006	119	97575	18.616	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	48430	18.234	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	48160	18.390	ug/l	99
85) n-Butylbenzene	12.329	91	87176	18.213	ug/l	99
86) Hexachloroethane	12.536	117	16000	17.309	ug/l	100
87) 1,2-Dichlorobenzene	12.329	146	48245	18.513	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	7064	17.893	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	28630	18.126	ug/l	98
90) Hexachlorobutadiene	13.719	225	12062	18.726	ug/l	99
91) Naphthalene	13.774	128	101756	18.271	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	28151	17.312	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

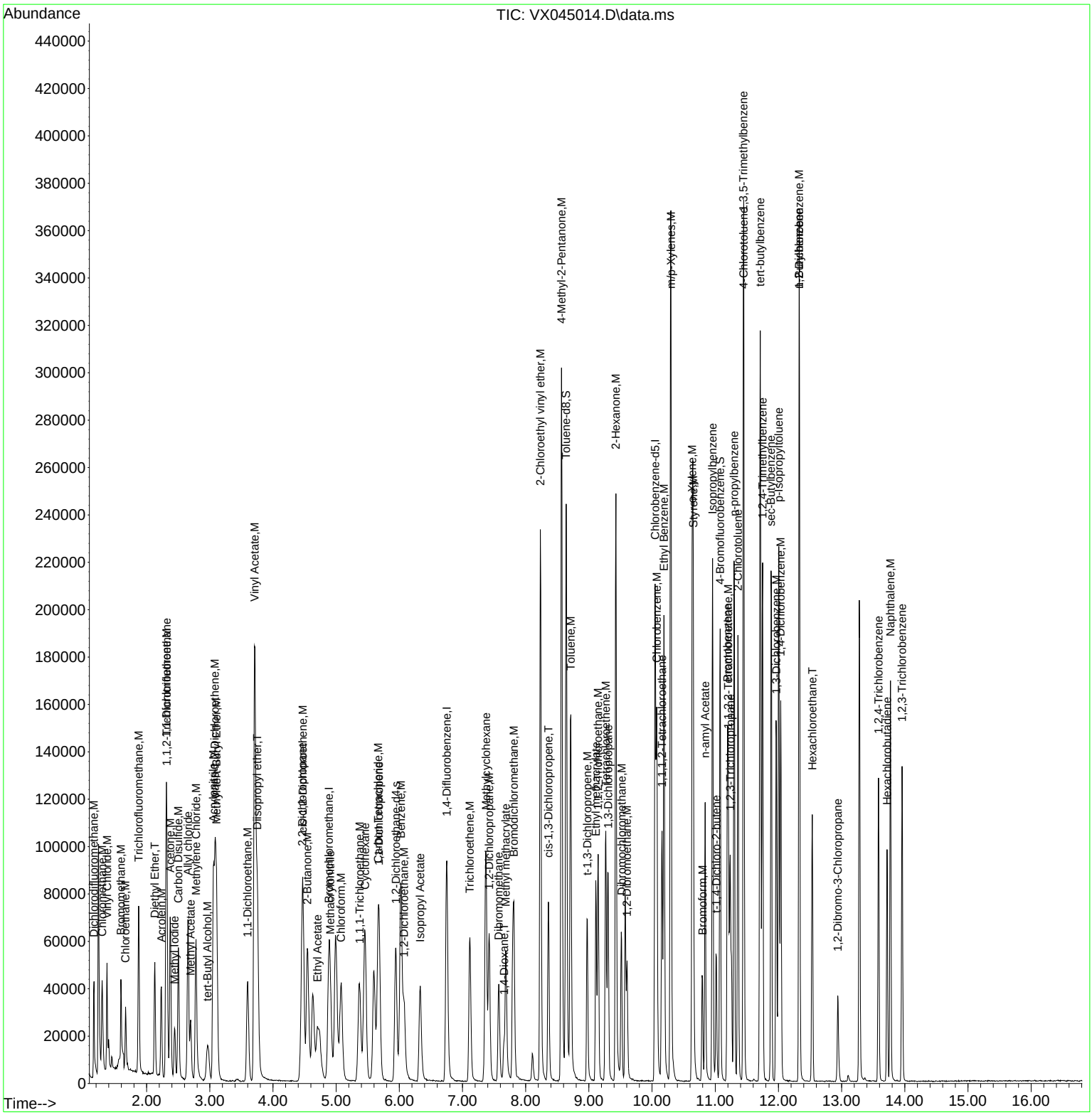
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045014.D
Acq On : 21 Feb 2025 13:09
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 22 01:12:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022125

Manual Integrations APPROVED

Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045014.D
Acq On : 21 Feb 2025 13:09
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022125

Quant Time: Feb 22 01:12:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	97	0.00
2	M	Dichlorodifluoromethane	2.529	2.305	8.9	90	0.00
3	M	Chloromethane	3.029	2.707	10.6	88	0.00
4	M	Vinyl Chloride	2.923	2.543	13.0	87	0.00
5	M	Bromomethane	1.017	0.992	2.5	98	0.00
6	M	Chloroethane	1.583	1.635	-3.3	95	0.00
7	M	Trichlorofluoromethane	3.928	3.495	11.0	91	0.00
8	T	Diethyl Ether	1.486	1.279	13.9	86	0.00
9		1,1,2-Trichlorotrifluoroeth	2.333	2.106	9.7	93	0.00
10	M	1,1-Dichloroethene	2.279	2.061	9.6	93	0.00
11		Methyl Iodide	2.579	2.041	20.9	91	0.00
12		Methyl Acetate	2.646	2.405	9.1	94	0.00
13	M	Acrolein	0.530	0.505	4.7	103	0.00
14	M	Acrylonitrile	1.293	1.160	10.3	90	0.00
15	M	Acetone	0.355	0.386	-8.7	106	0.00
16	M	Carbon Disulfide	6.464	5.784	10.5	93	0.00
17		Allyl chloride	4.262	3.796	10.9	93	0.00
18	M	Methylene Chloride	2.563	2.258	11.9	88	0.00
19	M	trans-1,2-Dichloroethene	2.306	2.055	10.9	91	0.00
20	T	Diisopropyl ether	8.191	7.311	10.7	91	0.00
21	M	1,1-Dichloroethane	4.555	4.030	11.5	90	0.00
22	M	cis-1,2-Dichloroethene	2.763	2.445	11.5	90	-0.01
23	M	tert-Butyl Alcohol	0.451	0.416	7.8	95	-0.02
24	M	Methyl tert-Butyl Ether	7.438	6.579	11.5	91	0.00
25	M	Chloroform	4.400	3.947	10.3	90	-0.01
26		Cyclohexane	4.205	3.761	10.6	90	0.00
27	s	1,2-Dichloroethane-d4	2.914	2.888	0.9	97	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
29		1,1-Dichloropropene	0.552	0.496	10.1	90	-0.01
30	M	2-Butanone	0.319	0.307	3.8	97	0.00
31		2,2-Dichloropropane	0.624	0.565	9.5	94	0.00
32	M	1,1,1-Trichloroethane	0.669	0.600	10.3	91	0.00
33	M	Carbon Tetrachloride	0.564	0.510	9.6	91	0.00
34	M	Benzene	1.731	1.559	9.9	90	0.00
35		Methacrylonitrile	0.341	0.313	8.2	92	0.00
36	M	1,2-Dichloroethane	0.592	0.543	8.3	91	0.00
37	M	Trichloroethene	0.405	0.363	10.4	89	0.00
38		Methylcyclohexane	0.741	0.681	8.1	95	0.00
39	M	1,2-Dichloropropane	0.430	0.374	13.0	86	0.00
40		Dibromomethane	0.309	0.278	10.0	90	0.00
41	M	Bromodichloromethane	0.614	0.541	11.9	89	0.00
42	M	Vinyl Acetate	1.237	1.113	10.0	91	0.00
43		Ethyl Acetate	0.598	0.510	14.7	86	0.00
44		Isopropyl Acetate	0.984	0.885	10.1	94	0.00
45	T	1,4-Dioxane	0.010	0.010	0.0	90	0.00
46		Methyl methacrylate	0.482	0.442	8.3	95	0.00
47		n-amyl Acetate	0.854	0.765	10.4	93	0.00
48	M	t-1,3-Dichloropropene	0.591	0.502	15.1	93	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045014.D
Acq On : 21 Feb 2025 13:09
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022125

Quant Time: Feb 22 01:12:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	0.670	0.586	12.5	90	0.00
50	M	1,1,2-Trichloroethane	0.403	0.372	7.7	90	0.00
51		Ethyl methacrylate	0.633	0.566	10.6	95	0.00
52		1,3-Dichloropropane	0.706	0.627	11.2	87	0.00
53	M	Dibromochloromethane	0.445	0.392	11.9	88	0.00
54	M	1,2-Dibromoethane	0.409	0.360	12.0	88	0.00
55	M	2-Chloroethyl vinyl ether	0.325	0.279	14.2	87	0.00
56	M	Bromoform	0.279	0.243	12.9	92	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
58	M	4-Methyl-2-Pentanone	0.682	0.636	6.7	92	0.00
59	M	2-Hexanone	0.493	0.471	4.5	95	0.00
60	S	4-Bromofluorobenzene	0.561	0.563	-0.4	99	0.00
61	M	Tetrachloroethene	0.369	0.331	10.3	89	0.00
62	M	Toluene	1.987	1.776	10.6	90	0.00
63	S	Toluene-d8	1.660	1.639	1.3	97	0.00
64	M	Chlorobenzene	1.231	1.105	10.2	90	0.00
65		1,1,1,2-Tetrachloroethane	0.406	0.353	13.1	88	0.00
66	M	Ethyl Benzene	2.176	1.971	9.4	93	0.00
67	M	m/p-Xylenes	0.811	0.734	9.5	89	0.00
68	M	o-Xylene	0.795	0.729	8.3	90	0.00
69	M	Styrene	1.328	1.188	10.5	89	0.00
70		Isopropylbenzene	2.053	1.859	9.4	90	0.00
71	M	1,1,2,2-Tetrachloroethane	0.675	0.619	8.3	92	0.00
72		1,2,3-Trichloropropane	0.555	0.504	9.2	92	0.00
73		Bromobenzene	0.473	0.430	9.1	91	0.00
74		n-propylbenzene	2.443	2.231	8.7	92	0.00
75		2-Chlorotoluene	1.477	1.340	9.3	90	0.00
76		1,3,5-Trimethylbenzene	1.693	1.578	6.8	92	0.00
77		t-1,4-Dichloro-2-butene	0.187	0.149	20.3	92	0.00
78		4-Chlorotoluene	1.646	1.492	9.4	91	0.00
79		tert-butylbenzene	1.706	1.571	7.9	91	0.00
80		1,2,4-Trimethylbenzene	1.696	1.562	7.9	90	0.00
81		sec-Butylbenzene	2.141	1.977	7.7	92	0.00
82		p-Isopropyltoluene	1.735	1.615	6.9	93	0.00
83	M	1,3-Dichlorobenzene	0.879	0.802	8.8	91	0.00
84	M	1,4-Dichlorobenzene	0.867	0.797	8.1	92	0.00
85		n-Butylbenzene	1.584	1.443	8.9	94	0.00
86	T	Hexachloroethane	0.306	0.265	13.4	93	0.00
87	M	1,2-Dichlorobenzene	0.863	0.798	7.5	91	0.00
88		1,2-Dibromo-3-Chloropropane	0.131	0.117	10.7	96	0.00
89		1,2,4-Trichlorobenzene	0.523	0.474	9.4	95	0.00
90		Hexachlorobutadiene	0.213	0.200	6.1	94	0.00
91	M	Naphthalene	1.843	1.684	8.6	93	0.00
92		1,2,3-Trichlorobenzene	0.538	0.466	13.4	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045014.D
Acq On : 21 Feb 2025 13:09
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022125

Quant Time: Feb 22 01:12:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	30.000	30.000	0.0	97	0.00
2	M	Dichlorodifluoromethane	20.000	18.226	8.9	90	0.00
3	M	Chloromethane	20.000	17.873	10.6	88	0.00
4	M	Vinyl Chloride	20.000	17.401	13.0	87	0.00
5	M	Bromomethane	20.000	19.506	2.5	98	0.00
6	M	Chloroethane	20.000	20.662	-3.3	95	0.00
7	M	Trichlorofluoromethane	20.000	17.793	11.0	91	0.00
8	T	Diethyl Ether	20.000	17.214	13.9	86	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	18.055	9.7	93	0.00
10	M	1,1-Dichloroethene	20.000	18.088	9.6	93	0.00
11		Methyl Iodide	20.000	15.827	20.9	91	0.00
12		Methyl Acetate	20.000	18.176	9.1	94	0.00
13	M	Acrolein	100.000	95.190	4.8	103	0.00
14	M	Acrylonitrile	100.000	89.730	10.3	90	0.00
15	M	Acetone	100.000	108.932	-8.9	106	0.00
16	M	Carbon Disulfide	20.000	17.896	10.5	93	0.00
17		Allyl chloride	20.000	17.812	10.9	93	0.00
18	M	Methylene Chloride	20.000	17.621	11.9	88	0.00
19	M	trans-1,2-Dichloroethene	20.000	17.825	10.9	91	0.00
20	T	Diisopropyl ether	20.000	17.850	10.7	91	0.00
21	M	1,1-Dichloroethane	20.000	17.693	11.5	90	0.00
22	M	cis-1,2-Dichloroethene	20.000	17.695	11.5	90	-0.01
23	M	tert-Butyl Alcohol	100.000	92.286	7.7	95	-0.02
24	M	Methyl tert-Butyl Ether	20.000	17.690	11.5	91	0.00
25	M	Chloroform	20.000	17.943	10.3	90	-0.01
26		Cyclohexane	20.000	17.890	10.5	90	0.00
27	s	1,2-Dichloroethane-d4	30.000	29.736	0.9	97	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	98	0.00
29		1,1-Dichloropropene	20.000	17.969	10.2	90	-0.01
30	M	2-Butanone	100.000	96.206	3.8	97	0.00
31		2,2-Dichloropropane	20.000	18.104	9.5	94	0.00
32	M	1,1,1-Trichloroethane	20.000	17.945	10.3	91	0.00
33	M	Carbon Tetrachloride	20.000	18.080	9.6	91	0.00
34	M	Benzene	20.000	18.013	9.9	90	0.00
35		Methacrylonitrile	20.000	18.343	8.3	92	0.00
36	M	1,2-Dichloroethane	20.000	18.316	8.4	91	0.00
37	M	Trichloroethene	20.000	17.933	10.3	89	0.00
38		Methylcyclohexane	20.000	18.370	8.1	95	0.00
39	M	1,2-Dichloropropane	20.000	17.406	13.0	86	0.00
40		Dibromomethane	20.000	18.010	9.9	90	0.00
41	M	Bromodichloromethane	20.000	17.645	11.8	89	0.00
42	M	Vinyl Acetate	100.000	89.973	10.0	91	0.00
43		Ethyl Acetate	20.000	17.072	14.6	86	0.00
44		Isopropyl Acetate	20.000	17.994	10.0	94	0.00
45	T	1,4-Dioxane	400.000	376.282	5.9	90	0.00
46		Methyl methacrylate	20.000	18.320	8.4	95	0.00
47		n-amyl Acetate	20.000	17.920	10.4	93	0.00
48	M	t-1,3-Dichloropropene	20.000	16.972	15.1	93	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045014.D
Acq On : 21 Feb 2025 13:09
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022125

Quant Time: Feb 22 01:12:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	20.000	17.491	12.5	90	0.00
50	M	1,1,2-Trichloroethane	20.000	18.451	7.7	90	0.00
51		Ethyl methacrylate	20.000	17.882	10.6	95	0.00
52		1,3-Dichloropropane	20.000	17.765	11.2	87	0.00
53	M	Dibromochloromethane	20.000	17.620	11.9	88	0.00
54	M	1,2-Dibromoethane	20.000	17.616	11.9	88	0.00
55	M	2-Chloroethyl vinyl ether	100.000	85.929	14.1	87	0.00
56	M	Bromoform	20.000	17.412	12.9	92	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	99	0.00
58	M	4-Methyl-2-Pentanone	100.000	93.175	6.8	92	0.00
59	M	2-Hexanone	100.000	95.501	4.5	95	0.00
60	S	4-Bromofluorobenzene	30.000	30.094	-0.3	99	0.00
61	M	Tetrachloroethene	20.000	17.908	10.5	89	0.00
62	M	Toluene	20.000	17.876	10.6	90	0.00
63	S	Toluene-d8	30.000	29.620	1.3	97	0.00
64	M	Chlorobenzene	20.000	17.942	10.3	90	0.00
65		1,1,1,2-Tetrachloroethane	20.000	17.362	13.2	88	0.00
66	M	Ethyl Benzene	20.000	18.117	9.4	93	0.00
67	M	m/p-Xylenes	40.000	36.205	9.5	89	0.00
68	M	o-Xylene	20.000	18.340	8.3	90	0.00
69	M	Styrene	20.000	17.886	10.6	89	0.00
70		Isopropylbenzene	20.000	18.117	9.4	90	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	18.349	8.3	92	0.00
72		1,2,3-Trichloropropane	20.000	18.172	9.1	92	0.00
73		Bromobenzene	20.000	18.218	8.9	91	0.00
74		n-propylbenzene	20.000	18.269	8.7	92	0.00
75		2-Chlorotoluene	20.000	18.145	9.3	90	0.00
76		1,3,5-Trimethylbenzene	20.000	18.633	6.8	92	0.00
77		t-1,4-Dichloro-2-butene	20.000	15.964	20.2	92	0.00
78		4-Chlorotoluene	20.000	18.131	9.3	91	0.00
79		tert-butylbenzene	20.000	18.420	7.9	91	0.00
80		1,2,4-Trimethylbenzene	20.000	18.423	7.9	90	0.00
81		sec-Butylbenzene	20.000	18.461	7.7	92	0.00
82		p-Isopropyltoluene	20.000	18.616	6.9	93	0.00
83	M	1,3-Dichlorobenzene	20.000	18.234	8.8	91	0.00
84	M	1,4-Dichlorobenzene	20.000	18.390	8.0	92	0.00
85		n-Butylbenzene	20.000	18.213	8.9	94	0.00
86	T	Hexachloroethane	20.000	17.309	13.5	93	0.00
87	M	1,2-Dichlorobenzene	20.000	18.513	7.4	91	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	17.893	10.5	96	0.00
89		1,2,4-Trichlorobenzene	20.000	18.126	9.4	95	0.00
90		Hexachlorobutadiene	20.000	18.726	6.4	94	0.00
91	M	Naphthalene	20.000	18.271	8.6	93	0.00
92		1,2,3-Trichlorobenzene	20.000	17.312	13.4	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **VX045285.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1583 SAS No.: Q1583 SDG No.: Q1583

Instrument ID: MSVOA_X Calibration Date/Time: 03/14/2025 10:17

Lab File ID: VX045285.D Init. Calib. Date(s): 02/21/2025 02/21/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:58 11:29

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Chloromethane	3.029	2.691		-11.16	
Vinyl Chloride	2.923	2.354	0.1	-19.47	
Bromomethane	1.017	1.071	0.1	5.31	
Chloroethane	1.583	1.373		-13.27	
Trichlorofluoromethane	3.928	3.534		-10.03	
1,1-Dichloroethene	2.279	2.129	0.1	-6.58	
Acrolein	0.530	0.416		-21.51	
Acrylonitrile	1.293	1.379		6.65	
Methylene Chloride	2.563	2.505		-2.26	
trans-1,2-Dichloroethene	2.306	2.107		-8.63	
1,1-Dichloroethane	4.555	4.300	0.2	-5.6	
Carbon Tetrachloride	0.564	0.574	0.1	1.77	
Chloroform	4.400	4.393	0.2	-0.16	
1,1,1-Trichloroethane	0.669	0.678	0.1	1.35	
Benzene	1.731	1.704	0.5	-1.56	
1,2-Dichloroethane	0.592	0.650	0.1	9.8	
Trichloroethene	0.405	0.384	0.3	-5.18	
1,2-Dichloropropane	0.430	0.434		0.93	
Bromodichloromethane	0.614	0.616	0.2	0.33	
Toluene	1.987	1.976	0.4	-0.55	
t-1,3-Dichloropropene	0.591	0.536	0.1	-9.31	
cis-1,3-Dichloropropene	0.670	0.624	0.2	-6.87	
1,1,2-Trichloroethane	0.403	0.416	0.1	3.23	
2-Chloroethyl vinyl ether	0.325	0.324		-0.31	
Dibromochloromethane	0.445	0.457	0.1	2.7	
Tetrachloroethene	0.369	0.390	0.2	5.69	
Chlorobenzene	1.231	1.229	0.5	-0.16	
Ethyl Benzene	2.176	2.166	0.1	-0.46	
m/p-Xylenes	0.811	0.799	0.3	-1.48	
o-Xylene	0.795	0.783	0.3	-1.51	
Bromoform	0.279	0.288	0.1	3.23	
1,1,2,2-Tetrachloroethane	0.675	0.771	0.3	14.22	
1,3-Dichlorobenzene	0.879	0.858	0.2	-2.39	
1,4-Dichlorobenzene	0.867	0.888	0.2	2.42	
1,2-Dichlorobenzene	0.863	0.899	0.2	4.17	
1,2-Dichloroethane-d4	2.914	3.149	0.01	8.06	
Toluene-d8	1.660	1.716	0.01	3.37	
4-Bromofluorobenzene	0.561	0.568	0.2	1.25	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045285.D
Acq On : 14 Mar 2025 10:17
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Quant Time: Mar 15 03:51:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.885	128	16402	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	86549	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	77791	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	51646	32.419	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.067%			
60) 4-Bromofluorobenzene	11.079	95	44147	30.362	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.200%			
63) Toluene-d8	8.641	98	133493	31.019	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	27025	19.545	ug/l	98
3) Chloromethane	1.307	50	29430	17.771	ug/l	98
4) Vinyl Chloride	1.368	62	25739	16.107	ug/l	99
5) Bromomethane	1.593	94	11708	21.048	ug/l	99
6) Chloroethane	1.673	64	15010	17.343	ug/l	96
7) Trichlorofluoromethane	1.874	101	38646	17.994	ug/l	95
8) Diethyl Ether	2.130	74	12991	15.986	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	24758	19.409	ug/l	98
10) 1,1-Dichloroethene	2.307	96	23275	18.680	ug/l	84
11) Methyl Iodide	2.441	142	27786	19.703	ug/l	96
12) Methyl Acetate	2.703	43	41826	28.908	ug/l	99
13) Acrolein	2.233	56	22756	78.465	ug/l	97
14) Acrylonitrile	3.056	53	75382	106.663	ug/l	99
15) Acetone	2.380	58	21525	111.052	ug/l	97
16) Carbon Disulfide	2.502	76	56436	15.969	ug/l	98
17) Allyl chloride	2.654	41	43404	18.625	ug/l	99
18) Methylene Chloride	2.782	84	27392	19.546	ug/l	90
19) trans-1,2-Dichloroethene	3.081	96	23037	18.275	ug/l	98
20) Diisopropyl ether	3.751	45	83561	18.659	ug/l	93
21) 1,1-Dichloroethane	3.599	63	47024	18.881	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	27810	18.410	ug/l	97
23) tert-Butyl Alcohol	2.965	59	22972	93.108	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	76236	18.747	ug/l	97
25) Chloroform	5.080	83	48032	19.966	ug/l	100
26) Cyclohexane	5.458	56	40980	17.826	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	30547	19.187	ug/l	98
30) 2-Butanone	4.550	43	107633	117.046	ug/l	99
31) 2,2-Dichloropropane	4.465	77	31898	17.719	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	39099	20.269	ug/l	96
33) Carbon Tetrachloride	5.660	117	33104	20.334	ug/l	94
34) Benzene	6.032	78	98293	19.687	ug/l	97
35) Methacrylonitrile	4.916	41	21961	22.317	ug/l	95
36) 1,2-Dichloroethane	6.080	62	37507	21.942	ug/l #	86
37) Trichloroethene	7.123	130	22160	18.972	ug/l	96
38) Methylcyclohexane	7.373	83	39538	18.496	ug/l	99
39) 1,2-Dichloropropane	7.422	63	25024	20.160	ug/l	98
40) Dibromomethane	7.574	93	18384	20.639	ug/l	98
41) Bromodichloromethane	7.818	83	35564	20.089	ug/l #	98
42) Vinyl Acetate	3.715	43	336824	94.389	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045285.D
Acq On : 14 Mar 2025 10:17
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Quant Time: Mar 15 03:51:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

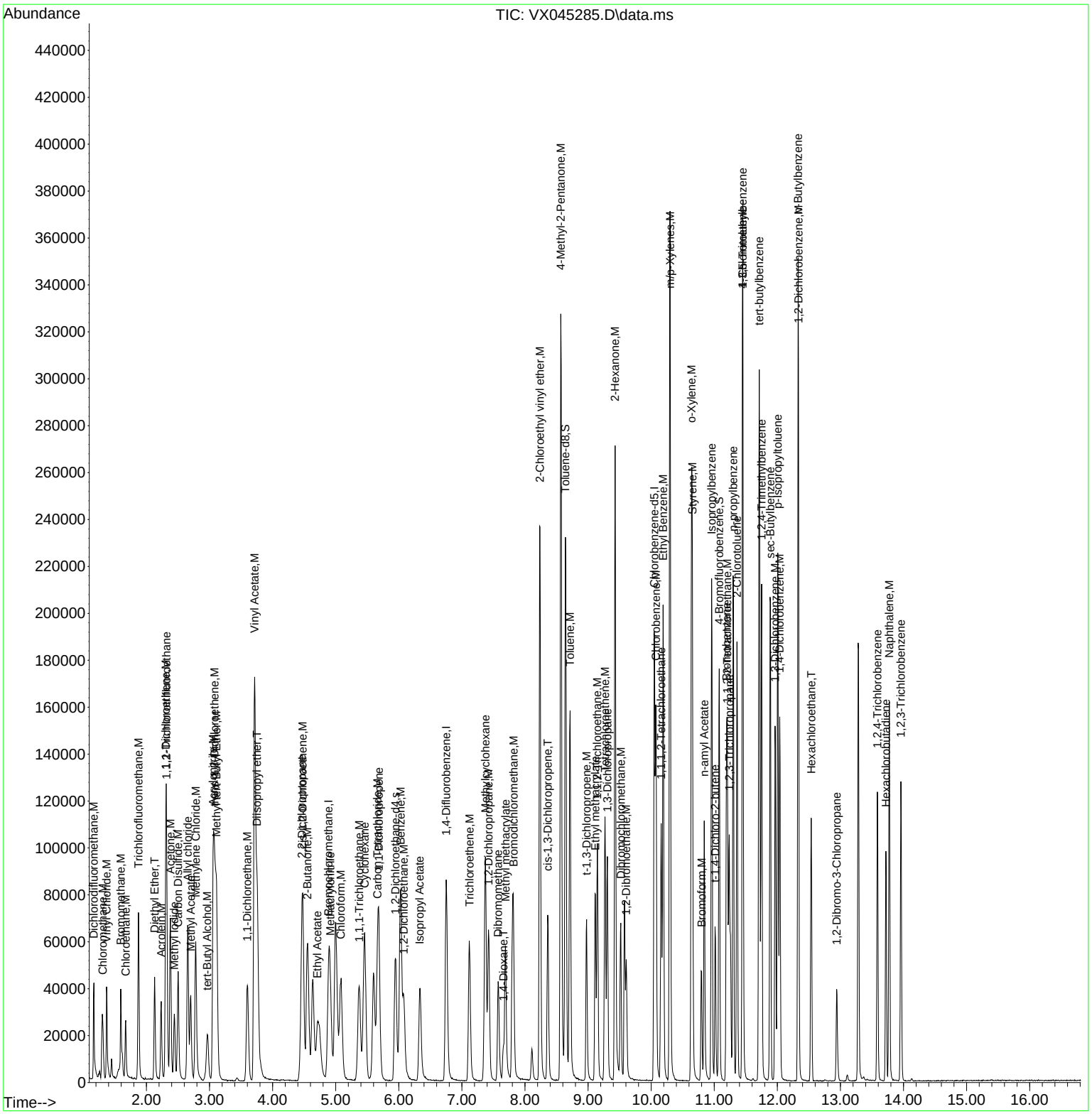
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	35536	20.606	ug/l	99
44) Isopropyl Acetate	6.330	43	57025	20.091	ug/l	98
45) 1,4-Dioxane	7.659	88	10767	364.913	ug/l	93
46) Methyl methacrylate	7.690	41	29283	21.040	ug/l	90
47) n-amyl Acetate	10.842	43	47634	19.340	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	30902	18.110	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	36026	18.650	ug/l	95
50) 1,1,2-Trichloroethane	9.147	97	24020	20.674	ug/l	95
51) Ethyl methacrylate	9.116	69	35672	19.522	ug/l	98
52) 1,3-Dichloropropane	9.305	76	42035	20.648	ug/l	99
53) Dibromochloromethane	9.519	129	26379	20.529	ug/l	97
54) 1,2-Dibromoethane	9.604	107	23922	20.276	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	93558	99.705	ug/l	100
56) Bromoform	10.799	173	16604	20.621	ug/l	98
58) 4-Methyl-2-Pentanone	8.568	43	210011	118.678	ug/l	97
59) 2-Hexanone	9.427	43	151320	118.305	ug/l	99
61) Tetrachloroethene	9.269	164	20203	21.091	ug/l	98
62) Toluene	8.714	91	102478	19.886	ug/l	97
64) Chlorobenzene	10.073	112	63738	19.960	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.159	131	21469	20.375	ug/l	99
66) Ethyl Benzene	10.189	91	112344	19.913	ug/l	99
67) m/p-Xylenes	10.299	106	82923	39.449	ug/l	98
68) o-Xylene	10.640	106	40626	19.698	ug/l	98
69) Styrene	10.653	104	67365	19.557	ug/l	98
70) Isopropylbenzene	10.957	105	108381	20.364	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.207	83	39996	22.853	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	33154m	23.032	ug/l	
73) Bromobenzene	11.195	156	24622	20.096	ug/l	98
74) n-propylbenzene	11.299	91	126506	19.974	ug/l	100
75) 2-Chlorotoluene	11.360	91	77599	20.266	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	88277	20.105	ug/l	99
77) t-1,4-Dichloro-2-butene	11.012	75	9226	19.050	ug/l	73
78) 4-Chlorotoluene	11.451	91	87449	20.488	ug/l	98
79) tert-butylbenzene	11.713	119	89097	20.139	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	86841	19.744	ug/l	98
81) sec-Butylbenzene	11.890	105	112619	20.283	ug/l	99
82) p-Isopropyltoluene	12.006	119	92660	20.597	ug/l	99
83) 1,3-Dichlorobenzene	11.963	146	44474	19.509	ug/l	96
84) 1,4-Dichlorobenzene	12.037	146	46066	20.495	ug/l	99
85) n-Butylbenzene	12.329	91	80698	19.643	ug/l	99
86) Hexachloroethane	12.536	117	15467	19.495	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	46617	20.841	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	7662	22.612	ug/l	94
89) 1,2,4-Trichlorobenzene	13.585	180	25942	19.136	ug/l	98
90) Hexachlorobutadiene	13.719	225	11256	20.360	ug/l	96
91) Naphthalene	13.774	128	94674	19.806	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	26866	19.250	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045285.D
Acq On : 14 Mar 2025 10:17
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Quant Time: Mar 15 03:51:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration



Sample Results: **VX045285.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045285.D
Acq On : 14 Mar 2025 10:17
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC020

Quant Time: Mar 15 03:51:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	89	0.00
2	M	Dichlorodifluoromethane	2.529	2.471	2.3	89	0.00
3	M	Chloromethane	3.029	2.691	11.2	80	0.01
4	M	Vinyl Chloride	2.923	2.354	19.5	74	0.00
5	M	Bromomethane	1.017	1.071	-5.3	97	0.00
6	M	Chloroethane	1.583	1.373	13.3	73	0.00
7	M	Trichlorofluoromethane	3.928	3.534	10.0	85	0.00
8	T	Diethyl Ether	1.486	1.188	20.1	74	0.00
9		1,1,2-Trichlorotrifluoroeth	2.333	2.264	3.0	92	0.00
10	M	1,1-Dichloroethene	2.279	2.129	6.6	88	0.00
11		Methyl Iodide	2.579	2.541	1.5	104	0.00
12		Methyl Acetate	2.646	3.825	-44.6#	138	0.00
13	M	Acrolein	0.530	0.416	21.5	78	0.00
14	M	Acrylonitrile	1.293	1.379	-6.7	99	0.00
15	M	Acetone	0.355	0.394	-11.0	99	0.00
16	M	Carbon Disulfide	6.464	5.161	20.2	77	0.00
17		Allyl chloride	4.262	3.969	6.9	89	0.00
18	M	Methylene Chloride	2.563	2.505	2.3	90	0.00
19	M	trans-1,2-Dichloroethene	2.306	2.107	8.6	85	0.00
20	T	Diisopropyl ether	8.191	7.642	6.7	87	0.00
21	M	1,1-Dichloroethane	4.555	4.300	5.6	88	0.00
22	M	cis-1,2-Dichloroethene	2.763	2.543	8.0	86	0.00
23	M	tert-Butyl Alcohol	0.451	0.420	6.9	88	-0.02
24	M	Methyl tert-Butyl Ether	7.438	6.972	6.3	88	0.00
25	M	Chloroform	4.400	4.393	0.2	92	0.00
26		Cyclohexane	4.205	3.748	10.9	83	0.00
27	s	1,2-Dichloroethane-d4	2.914	3.149	-8.1	97	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
29		1,1-Dichloropropene	0.552	0.529	4.2	85	0.00
30	M	2-Butanone	0.319	0.373	-16.9	103	0.00
31		2,2-Dichloropropane	0.624	0.553	11.4	81	0.00
32	M	1,1,1-Trichloroethane	0.669	0.678	-1.3	90	0.00
33	M	Carbon Tetrachloride	0.564	0.574	-1.8	90	0.00
34	M	Benzene	1.731	1.704	1.6	86	0.00
35		Methacrylonitrile	0.341	0.381	-11.7	98	0.00
36	M	1,2-Dichloroethane	0.592	0.650	-9.8	96	0.00
37	M	Trichloroethene	0.405	0.384	5.2	82	0.00
38		Methylcyclohexane	0.741	0.685	7.6	84	0.00
39	M	1,2-Dichloropropane	0.430	0.434	-0.9	88	0.00
40		Dibromomethane	0.309	0.319	-3.2	91	0.00
41	M	Bromodichloromethane	0.614	0.616	-0.3	89	0.00
42	M	Vinyl Acetate	1.237	1.168	5.6	84	0.00
43		Ethyl Acetate	0.598	0.616	-3.0	91	0.00
44		Isopropyl Acetate	0.984	0.988	-0.4	92	0.00
45	T	1,4-Dioxane	0.010	0.009	10.0	77	0.00
46		Methyl methacrylate	0.482	0.508	-5.4	95	0.00
47		n-amyl Acetate	0.854	0.826	3.3	88	0.00
48	M	t-1,3-Dichloropropene	0.591	0.536	9.3	87	0.00

Sample Results: **VX045285.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045285.D
Acq On : 14 Mar 2025 10:17
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC020

Quant Time: Mar 15 03:51:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	0.670	0.624	6.9	84	0.00
50	M	1,1,2-Trichloroethane	0.403	0.416	-3.2	88	0.00
51		Ethyl methacrylate	0.633	0.618	2.4	91	0.00
52		1,3-Dichloropropane	0.706	0.729	-3.3	89	0.00
53	M	Dibromochloromethane	0.445	0.457	-2.7	90	0.00
54	M	1,2-Dibromoethane	0.409	0.415	-1.5	89	0.00
55	M	2-Chloroethyl vinyl ether	0.325	0.324	0.3	89	0.00
56	M	Bromoform	0.279	0.288	-3.2	96	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
58	M	4-Methyl-2-Pentanone	0.682	0.810	-18.8	101	0.00
59	M	2-Hexanone	0.493	0.584	-18.5	101	0.00
60	S	4-Bromofluorobenzene	0.561	0.568	-1.2	86	0.00
61	M	Tetrachloroethene	0.369	0.390	-5.7	90	0.00
62	M	Toluene	1.987	1.976	0.6	86	0.00
63	S	Toluene-d8	1.660	1.716	-3.4	87	0.00
64	M	Chlorobenzene	1.231	1.229	0.2	86	0.00
65		1,1,1,2-Tetrachloroethane	0.406	0.414	-2.0	89	0.00
66	M	Ethyl Benzene	2.176	2.166	0.5	87	0.00
67	M	m/p-Xylenes	0.811	0.799	1.5	83	0.00
68	M	o-Xylene	0.795	0.783	1.5	83	0.00
69	M	Styrene	1.328	1.299	2.2	84	0.00
70		Isopropylbenzene	2.053	2.090	-1.8	87	0.00
71	M	1,1,2,2-Tetrachloroethane	0.675	0.771	-14.2	98	0.00
72		1,2,3-Trichloropropane	0.555	0.639	-15.1	100	0.00
73		Bromobenzene	0.473	0.475	-0.4	86	0.00
74		n-propylbenzene	2.443	2.439	0.2	87	0.00
75		2-Chlorotoluene	1.477	1.496	-1.3	86	0.00
76		1,3,5-Trimethylbenzene	1.693	1.702	-0.5	85	0.00
77		t-1,4-Dichloro-2-butene	0.187	0.178	4.8	94	0.00
78		4-Chlorotoluene	1.646	1.686	-2.4	88	0.00
79		tert-butylbenzene	1.706	1.718	-0.7	85	0.00
80		1,2,4-Trimethylbenzene	1.696	1.675	1.2	83	0.00
81		sec-Butylbenzene	2.141	2.172	-1.4	87	0.00
82		p-Isopropyltoluene	1.735	1.787	-3.0	89	0.00
83	M	1,3-Dichlorobenzene	0.879	0.858	2.4	83	0.00
84	M	1,4-Dichlorobenzene	0.867	0.888	-2.4	88	0.00
85		n-Butylbenzene	1.584	1.556	1.8	87	0.00
86	T	Hexachloroethane	0.306	0.298	2.6	90	0.00
87	M	1,2-Dichlorobenzene	0.863	0.899	-4.2	88	0.00
88		1,2-Dibromo-3-Chloropropane	0.131	0.148	-13.0	104	0.00
89		1,2,4-Trichlorobenzene	0.523	0.500	4.4	86	0.00
90		Hexachlorobutadiene	0.213	0.217	-1.9	88	0.00
91	M	Naphthalene	1.843	1.826	0.9	87	0.00
92		1,2,3-Trichlorobenzene	0.538	0.518	3.7	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **VX045285.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045285.D
Acq On : 14 Mar 2025 10:17
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC020

Quant Time: Mar 15 03:51:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	30.000	30.000	0.0	89	0.00
2	M	Dichlorodifluoromethane	20.000	19.545	2.3	89	0.00
3	M	Chloromethane	20.000	17.771	11.1	80	0.01
4	M	Vinyl Chloride	20.000	16.107	19.5	74	0.00
5	M	Bromomethane	20.000	21.048	-5.2	97	0.00
6	M	Chloroethane	20.000	17.343	13.3	73	0.00
7	M	Trichlorofluoromethane	20.000	17.994	10.0	85	0.00
8	T	Diethyl Ether	20.000	15.986	20.1	74	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	19.409	3.0	92	0.00
10	M	1,1-Dichloroethene	20.000	18.680	6.6	88	0.00
11		Methyl Iodide	20.000	19.703	1.5	104	0.00
12		Methyl Acetate	20.000	28.908	-44.5#	138	0.00
13	M	Acrolein	100.000	78.465	21.5	78	0.00
14	M	Acrylonitrile	100.000	106.663	-6.7	99	0.00
15	M	Acetone	100.000	111.052	-11.1	99	0.00
16	M	Carbon Disulfide	20.000	15.969	20.2	77	0.00
17		Allyl chloride	20.000	18.625	6.9	89	0.00
18	M	Methylene Chloride	20.000	19.546	2.3	90	0.00
19	M	trans-1,2-Dichloroethene	20.000	18.275	8.6	85	0.00
20	T	Diisopropyl ether	20.000	18.659	6.7	87	0.00
21	M	1,1-Dichloroethane	20.000	18.881	5.6	88	0.00
22	M	cis-1,2-Dichloroethene	20.000	18.410	7.9	86	0.00
23	M	tert-Butyl Alcohol	100.000	93.108	6.9	88	-0.02
24	M	Methyl tert-Butyl Ether	20.000	18.747	6.3	88	0.00
25	M	Chloroform	20.000	19.966	0.2	92	0.00
26		Cyclohexane	20.000	17.826	10.9	83	0.00
27	s	1,2-Dichloroethane-d4	30.000	32.419	-8.1	97	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	86	0.00
29		1,1-Dichloropropene	20.000	19.187	4.1	85	0.00
30	M	2-Butanone	100.000	117.046	-17.0	103	0.00
31		2,2-Dichloropropane	20.000	17.719	11.4	81	0.00
32	M	1,1,1-Trichloroethane	20.000	20.269	-1.3	90	0.00
33	M	Carbon Tetrachloride	20.000	20.334	-1.7	90	0.00
34	M	Benzene	20.000	19.687	1.6	86	0.00
35		Methacrylonitrile	20.000	22.317	-11.6	98	0.00
36	M	1,2-Dichloroethane	20.000	21.942	-9.7	96	0.00
37	M	Trichloroethene	20.000	18.972	5.1	82	0.00
38		Methylcyclohexane	20.000	18.496	7.5	84	0.00
39	M	1,2-Dichloropropane	20.000	20.160	-0.8	88	0.00
40		Dibromomethane	20.000	20.639	-3.2	91	0.00
41	M	Bromodichloromethane	20.000	20.089	-0.4	89	0.00
42	M	Vinyl Acetate	100.000	94.389	5.6	84	0.00
43		Ethyl Acetate	20.000	20.606	-3.0	91	0.00
44		Isopropyl Acetate	20.000	20.091	-0.5	92	0.00
45	T	1,4-Dioxane	400.000	364.913	8.8	77	0.00
46		Methyl methacrylate	20.000	21.040	-5.2	95	0.00
47		n-amyl Acetate	20.000	19.340	3.3	88	0.00
48	M	t-1,3-Dichloropropene	20.000	18.110	9.5	87	0.00

Sample Results: **VX045285.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045285.D
Acq On : 14 Mar 2025 10:17
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC020

Quant Time: Mar 15 03:51:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	20.000	18.650	6.8	84	0.00
50	M	1,1,2-Trichloroethane	20.000	20.674	-3.4	88	0.00
51		Ethyl methacrylate	20.000	19.522	2.4	91	0.00
52		1,3-Dichloropropane	20.000	20.648	-3.2	89	0.00
53	M	Dibromochloromethane	20.000	20.529	-2.6	90	0.00
54	M	1,2-Dibromoethane	20.000	20.276	-1.4	89	0.00
55	M	2-Chloroethyl vinyl ether	100.000	99.705	0.3	89	0.00
56	M	Bromoform	20.000	20.621	-3.1	96	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	85	0.00
58	M	4-Methyl-2-Pentanone	100.000	118.678	-18.7	101	0.00
59	M	2-Hexanone	100.000	118.305	-18.3	101	0.00
60	S	4-Bromofluorobenzene	30.000	30.362	-1.2	86	0.00
61	M	Tetrachloroethene	20.000	21.091	-5.5	90	0.00
62	M	Toluene	20.000	19.886	0.6	86	0.00
63	S	Toluene-d8	30.000	31.019	-3.4	87	0.00
64	M	Chlorobenzene	20.000	19.960	0.2	86	0.00
65		1,1,1,2-Tetrachloroethane	20.000	20.375	-1.9	89	0.00
66	M	Ethyl Benzene	20.000	19.913	0.4	87	0.00
67	M	m/p-Xylenes	40.000	39.449	1.4	83	0.00
68	M	o-Xylene	20.000	19.698	1.5	83	0.00
69	M	Styrene	20.000	19.557	2.2	84	0.00
70		Isopropylbenzene	20.000	20.364	-1.8	87	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	22.853	-14.3	98	0.00
72		1,2,3-Trichloropropane	20.000	23.032	-15.2	100	0.00
73		Bromobenzene	20.000	20.096	-0.5	86	0.00
74		n-propylbenzene	20.000	19.974	0.1	87	0.00
75		2-Chlorotoluene	20.000	20.266	-1.3	86	0.00
76		1,3,5-Trimethylbenzene	20.000	20.105	-0.5	85	0.00
77		t-1,4-Dichloro-2-butene	20.000	19.050	4.7	94	0.00
78		4-Chlorotoluene	20.000	20.488	-2.4	88	0.00
79		tert-butylbenzene	20.000	20.139	-0.7	85	0.00
80		1,2,4-Trimethylbenzene	20.000	19.744	1.3	83	0.00
81		sec-Butylbenzene	20.000	20.283	-1.4	87	0.00
82		p-Isopropyltoluene	20.000	20.597	-3.0	89	0.00
83	M	1,3-Dichlorobenzene	20.000	19.509	2.5	83	0.00
84	M	1,4-Dichlorobenzene	20.000	20.495	-2.5	88	0.00
85		n-Butylbenzene	20.000	19.643	1.8	87	0.00
86	T	Hexachloroethane	20.000	19.495	2.5	90	0.00
87	M	1,2-Dichlorobenzene	20.000	20.841	-4.2	88	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	22.612	-13.1	104	0.00
89		1,2,4-Trichlorobenzene	20.000	19.136	4.3	86	0.00
90		Hexachlorobutadiene	20.000	20.360	-1.8	88	0.00
91	M	Naphthalene	20.000	19.806	1.0	87	0.00
92		1,2,3-Trichlorobenzene	20.000	19.250	3.8	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

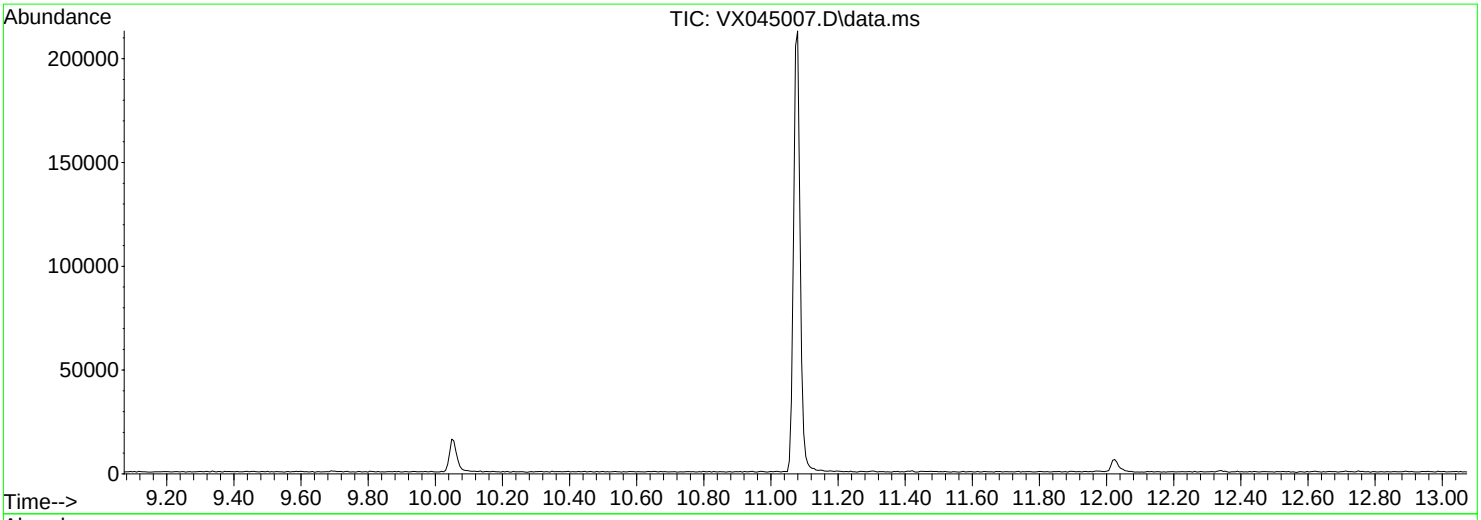
Sample Results: **VX045007.D**

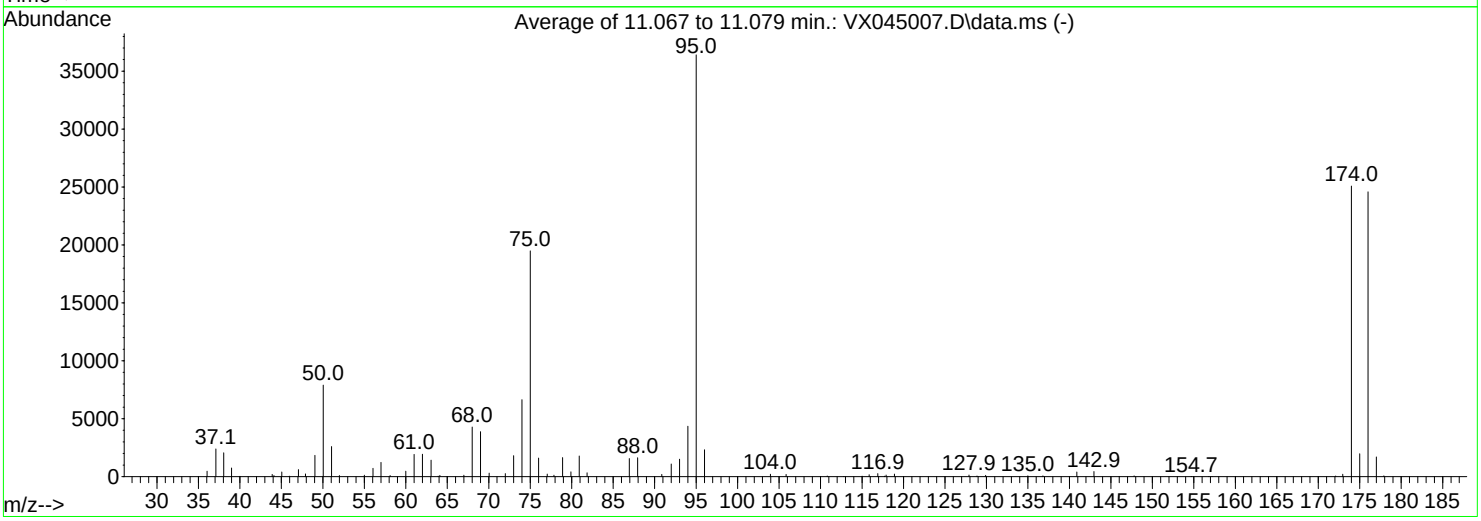
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022125\
Data File : VX045007.D
Acq On : 21 Feb 2025 09:31
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Sat Feb 22 01:06:36 2025





AutoFind: Scans 1637, 1638, 1639; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	7903	PASS
75	95	30	60	53.5	19493	PASS
95	95	100	100	100.0	36408	PASS
96	95	5	9	6.4	2318	PASS
173	174	0.00	2	0.8	213	PASS
174	95	50	100	68.9	25081	PASS
175	174	5	9	7.9	1979	PASS
176	174	95	101	98.0	24589	PASS
177	176	5	9	6.9	1695	PASS

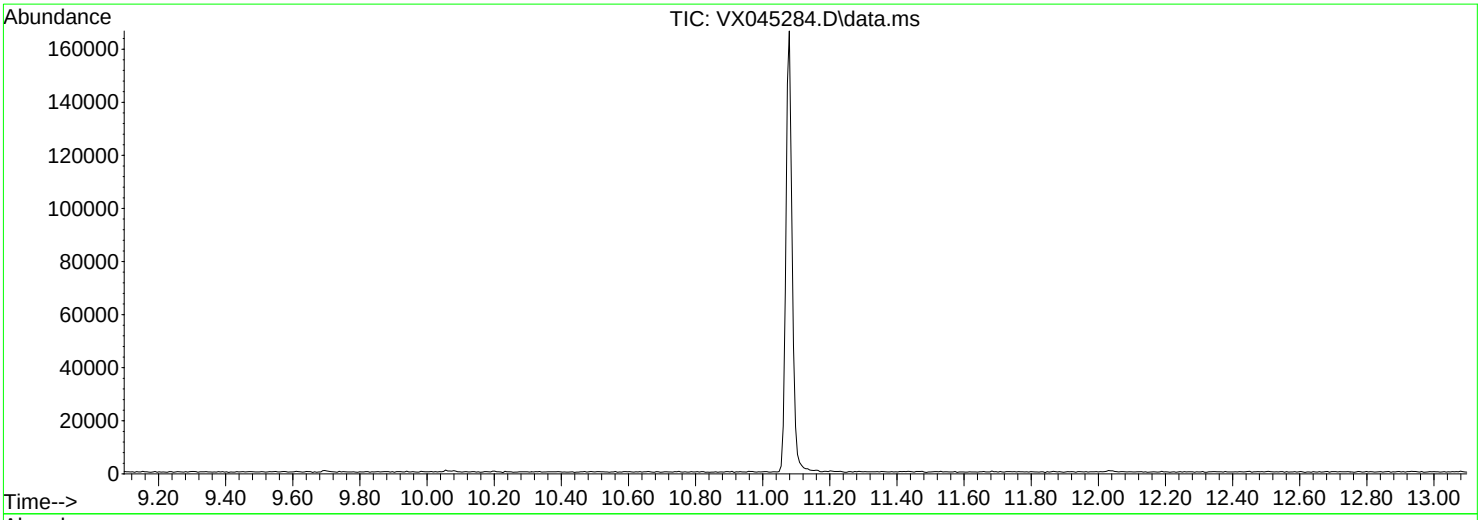
Sample Results: **VX045284.D**

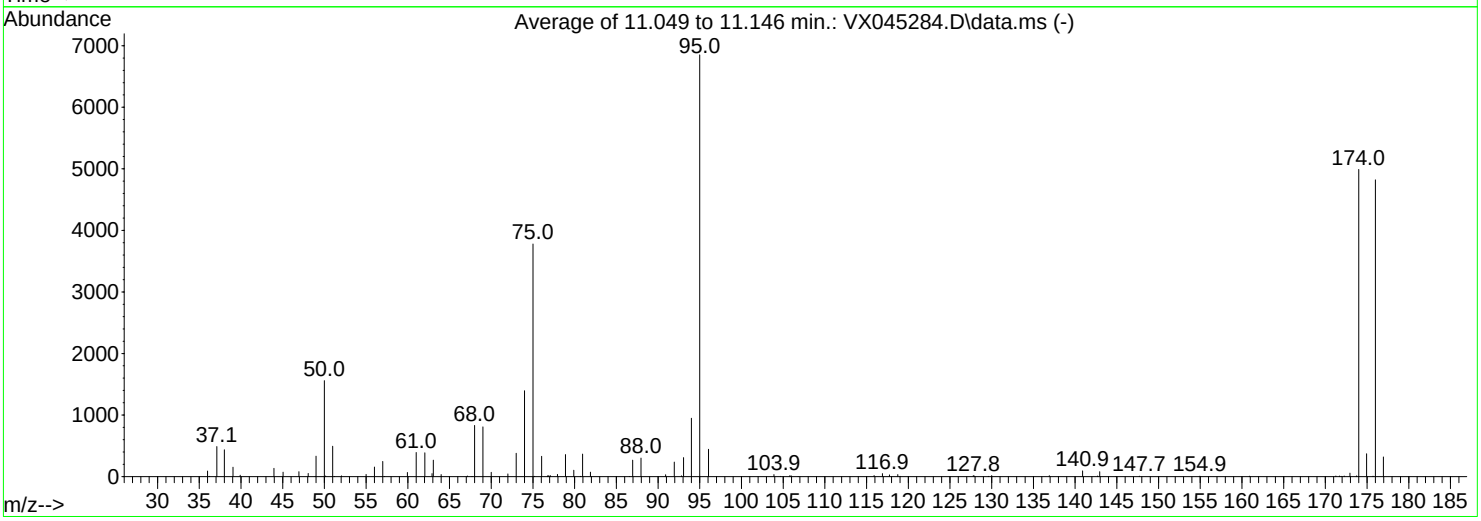
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045284.D
Acq On : 14 Mar 2025 09:28
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Sat Feb 22 01:06:36 2025





AutoFind: Averaged scan 1634 to 1650; Bkg corrected with scan 1633

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	1559	PASS
75	95	30	60	55.2	3779	PASS
95	95	100	100	100.0	6851	PASS
96	95	5	9	6.5	445	PASS
173	174	0.00	2	1.2	58	PASS
174	95	50	100	72.8	4989	PASS
175	174	5	9	7.4	371	PASS
176	174	95	101	96.7	4822	PASS
177	176	5	9	6.6	320	PASS

Raw Data: **VX045288.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VX0314WBL01		SDG No.:	Q1583	
Lab Sample ID:	VX0314WBL01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045288.D	1		03/14/25 11:40	VX031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	4.60	U	4.60	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L

Raw Data: **VX045288.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VX0314WBL01		SDG No.:	Q1583	
Lab Sample ID:	VX0314WBL01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-PP	
GC Column:	DB-624UI ID : 0.18		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045288.D	1		03/14/25 11:40	VX031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	32.6		91 - 110	109%	SPK: 30
2037-26-5	Toluene-d8	30.7		91 - 112	102%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.3		63 - 112	91%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	14600	4.891			
540-36-3	1,4-Difluorobenzene	76000	6.757			
3114-55-4	Chlorobenzene-d5	67400	10.055			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045288.D
Acq On : 14 Mar 2025 11:40
Operator : JC/MD
Sample : VX0314WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL01

Quant Time: Mar 15 03:56:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

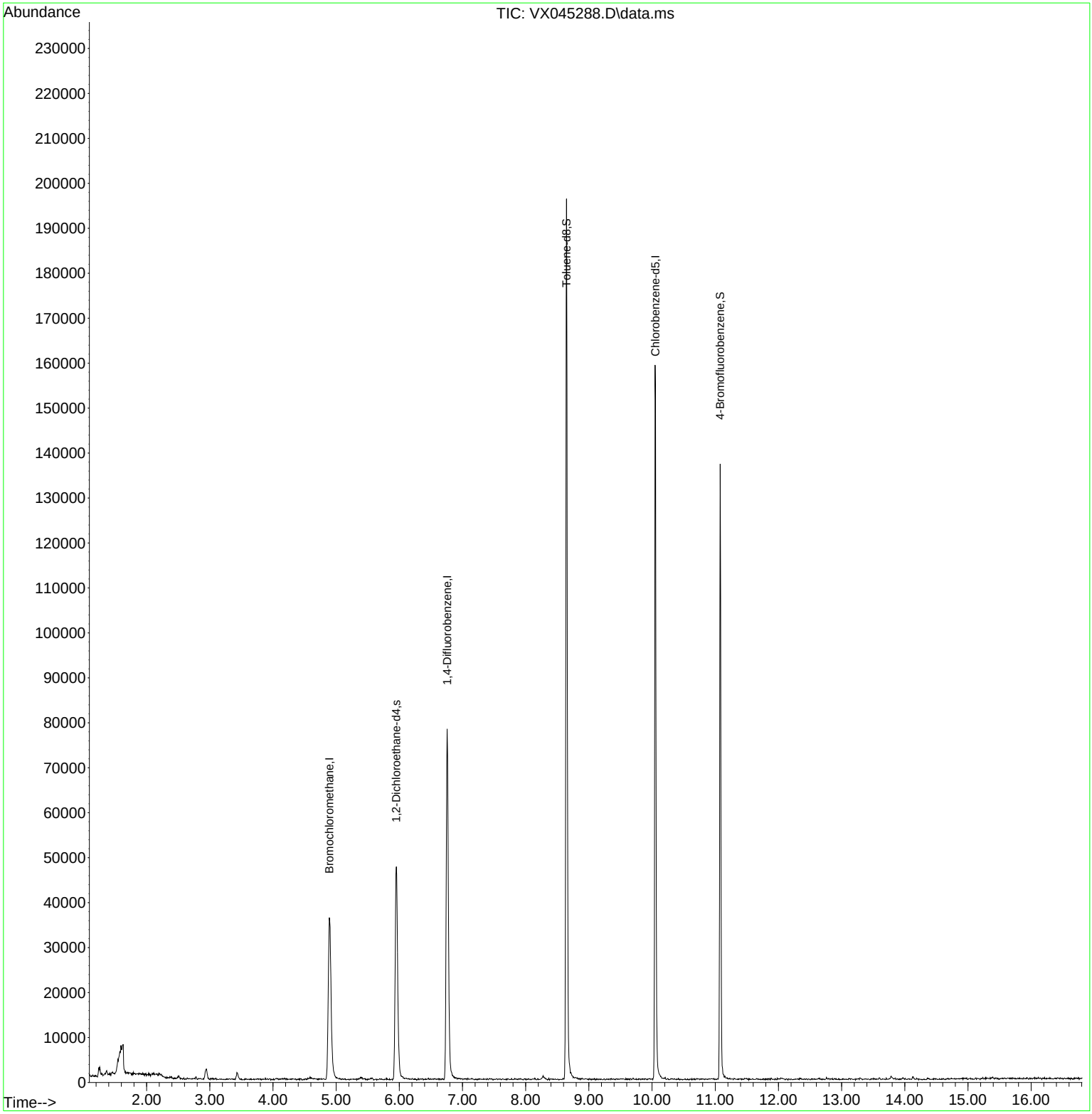
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	14558	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	75988	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	67387	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	46128	32.623	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.733%			
60) 4-Bromofluorobenzene	11.079	95	34413	27.322	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.067%			
63) Toluene-d8	8.647	98	114622	30.746	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.500%			
Target Compounds						Qvalue

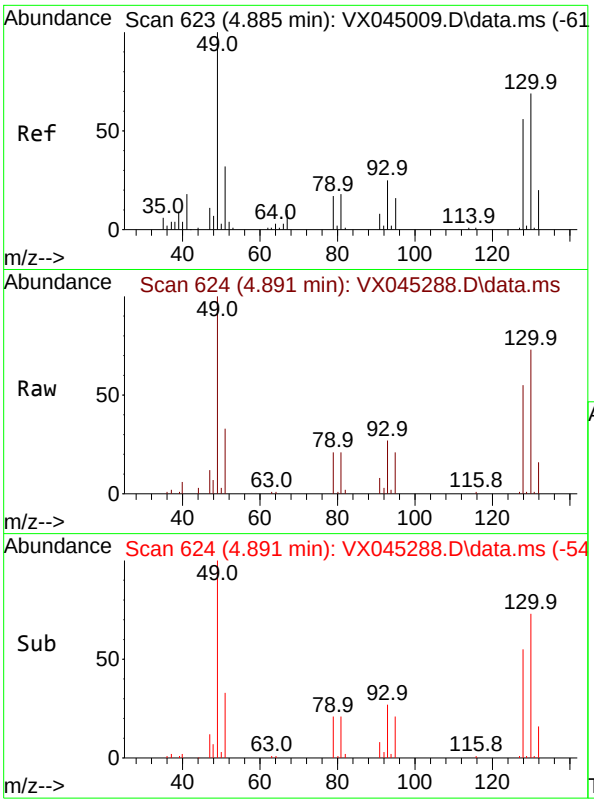
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045288.D
Acq On : 14 Mar 2025 11:40
Operator : JC/MD
Sample : VX0314WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL01

Quant Time: Mar 15 03:56:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration



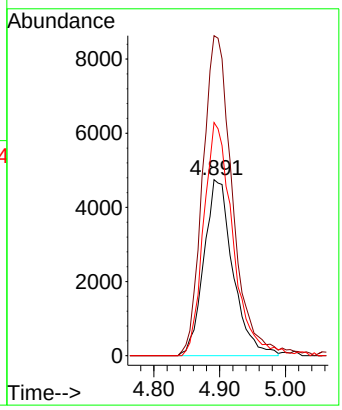


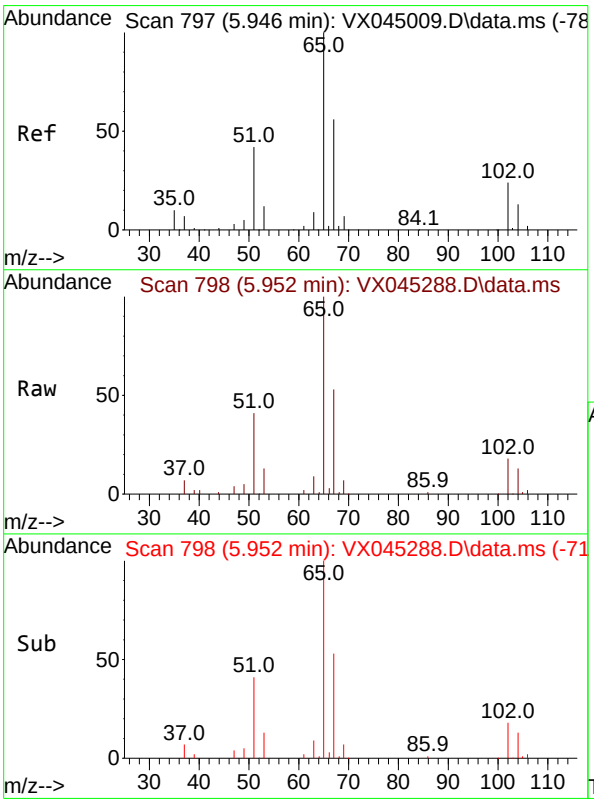
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL01

Tgt Ion:128 Resp: 14558

Ion	Ratio	Lower	Upper
128	100		
49	185.5	0.0	449.7
130	133.7	0.0	312.7

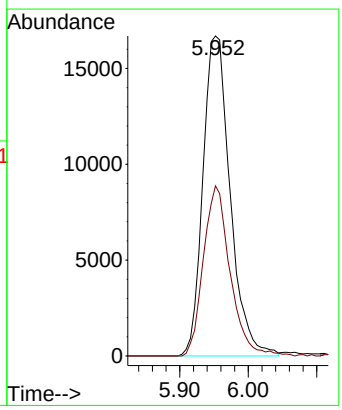


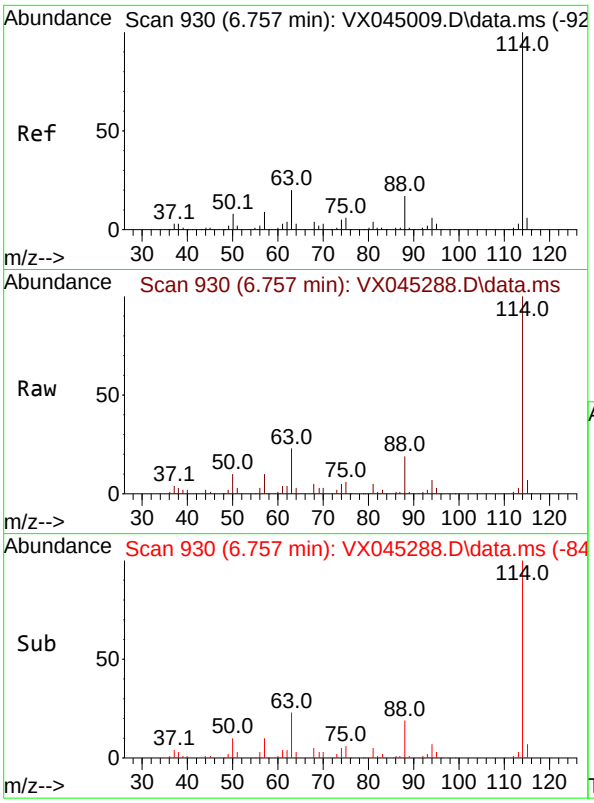


#27
1,2-Dichloroethane-d4
Concen: 32.623 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

Tgt Ion: 65 Resp: 46128

Ion	Ratio	Lower	Upper
65	100		
67	52.2	42.6	64.0



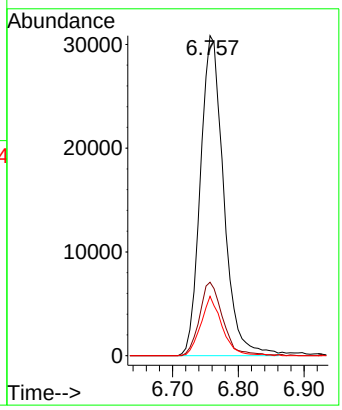


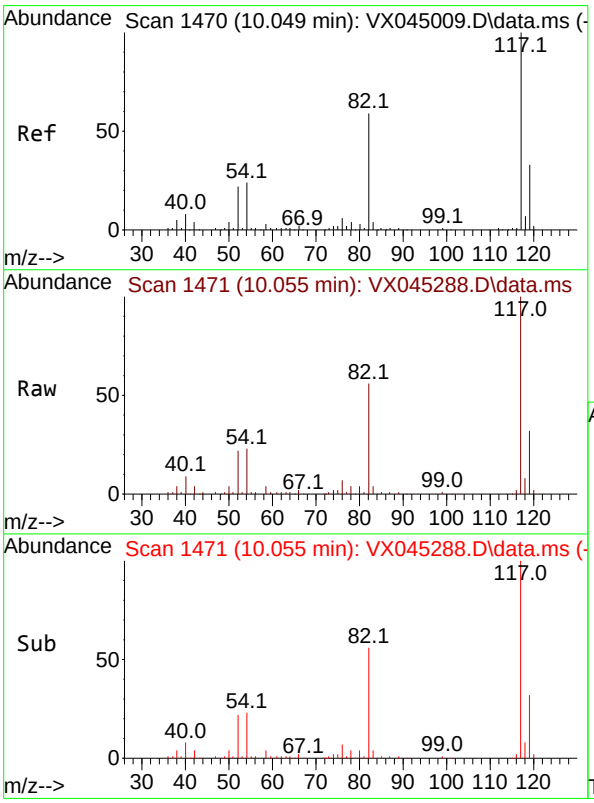
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL01

Tgt Ion:114 Resp: 75988

Ion	Ratio	Lower	Upper
114	100		
63	22.8	16.8	25.2
88	16.8	12.7	19.1

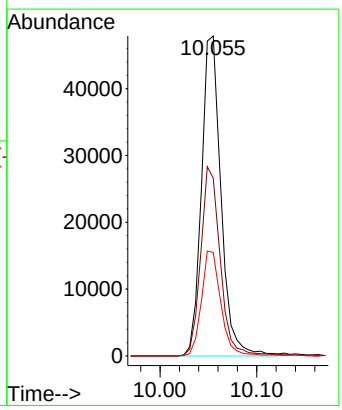


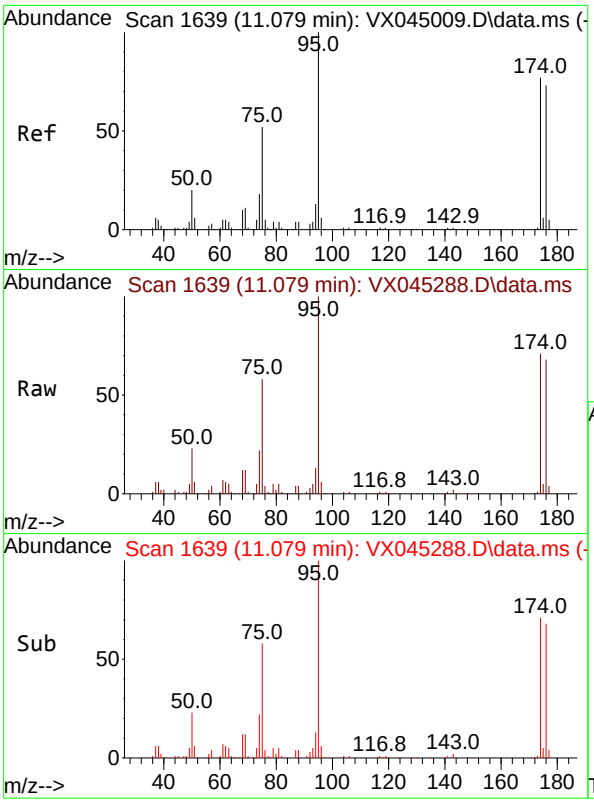


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

Tgt Ion:117 Resp: 67387

Ion	Ratio	Lower	Upper
117	100		
82	59.3	45.8	68.8
119	32.4	25.5	38.3



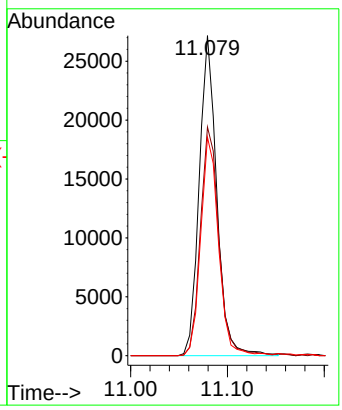


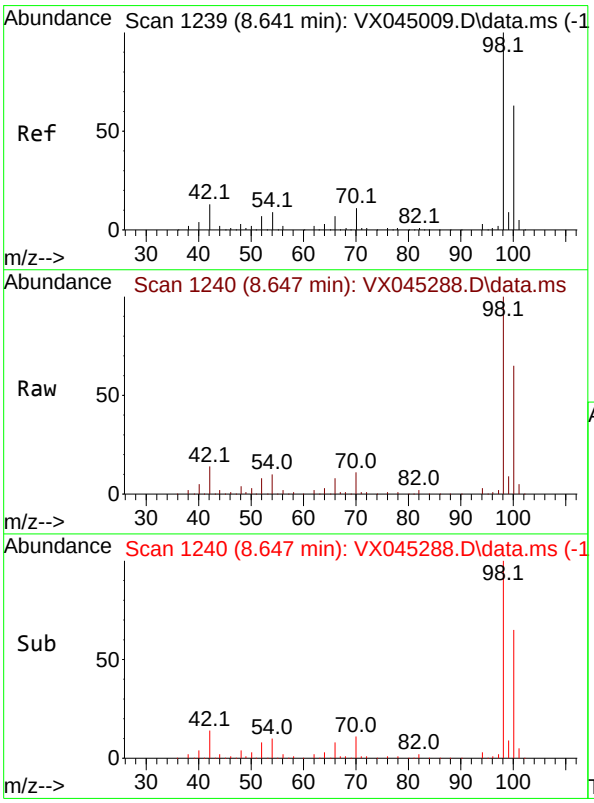
#60
4-Bromofluorobenzene
Concen: 27.322 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL01

Tgt Ion: 95 Resp: 34413

Ion	Ratio	Lower	Upper
95	100		
174	75.1	59.5	89.3
176	69.0	55.5	83.3

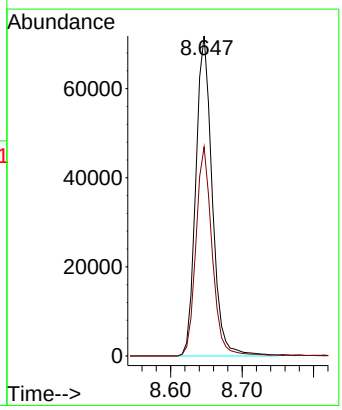




#63
Toluene-d8
Concen: 30.746 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

Tgt Ion: 98 Resp: 114622

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5



Raw Data: **VX045286.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VX0314WBS01		SDG No.:	Q1583	
Lab Sample ID:	VX0314WBS01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045286.D	1		03/14/25 10:50	VX031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	17.9		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.83	5.00	ug/L
74-83-9	Bromomethane	20.5		0.80	5.00	ug/L
75-00-3	Chloroethane	17.0		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.76	5.00	ug/L
107-02-8	Acrolein	84.9		6.60	25.0	ug/L
107-13-1	Acrylonitrile	100		2.80	25.0	ug/L
75-09-2	Methylene Chloride	19.0		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.74	5.00	ug/L
67-66-3	Chloroform	19.6		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.63	5.00	ug/L
71-43-2	Benzene	18.6		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.50	5.00	ug/L
79-01-6	Trichloroethene	18.9		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.64	5.00	ug/L
108-88-3	Toluene	19.1		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.1		0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.7		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.3		0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	99.4		4.60	25.0	ug/L
124-48-1	Dibromochloromethane	19.8		0.66	5.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.84	5.00	ug/L
108-90-7	Chlorobenzene	19.0		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	38.5		1.30	10.0	ug/L
95-47-6	o-Xylene	19.3		0.67	5.00	ug/L

Raw Data: **VX045286.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VX0314WBS01		SDG No.:	Q1583	
Lab Sample ID:	VX0314WBS01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-PP	
GC Column:	DB-624UI ID : 0.18		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045286.D	1		03/14/25 10:50	VX031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	19.2		0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.9		0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	33.0		91 - 110	110%	SPK: 30
2037-26-5	Toluene-d8	30.9		91 - 112	103%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.8		63 - 112	103%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	16000	4.891			
540-36-3	1,4-Difluorobenzene	88500	6.757			
3114-55-4	Chlorobenzene-d5	80700	10.049			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045286.D
Acq On : 14 Mar 2025 10:50
Operator : JC/MD
Sample : VX0314WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS01

Quant Time: Mar 15 03:52:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	16027	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	88526	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	80688	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	51350	32.988	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.967%			
60) 4-Bromofluorobenzene	11.079	95	46424	30.782	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.600%			
63) Toluene-d8	8.646	98	137890	30.891	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.967%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	26148	19.354	ug/l	92
3) Chloromethane	1.300	50	28918	17.870	ug/l	95
4) Vinyl Chloride	1.373	62	25871	16.568	ug/l	100
5) Bromomethane	1.593	94	11125	20.468	ug/l	98
6) Chloroethane	1.666	64	14379	17.002	ug/l	100
7) Trichlorofluoromethane	1.867	101	37504	17.870	ug/l	93
8) Diethyl Ether	2.129	74	12666	15.951	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	24242	19.449	ug/l	97
10) 1,1-Dichloroethene	2.306	96	22775	18.707	ug/l	84
11) Methyl Iodide	2.440	142	27411	19.892	ug/l	98
12) Methyl Acetate	2.702	43	40788	28.850	ug/l	98
13) Acrolein	2.233	56	24059	84.899	ug/l	100
14) Acrylonitrile	3.062	53	72442	104.901	ug/l	97
15) Acetone	2.385	58	22646	119.570	ug/l	95
16) Carbon Disulfide	2.501	76	53918	15.613	ug/l	99
17) Allyl chloride	2.654	41	41715	18.319	ug/l	98
18) Methylene Chloride	2.782	84	26057	19.028	ug/l	98
19) trans-1,2-Dichloroethene	3.080	96	22728	18.452	ug/l	92
20) Diisopropyl ether	3.757	45	83369	19.052	ug/l	92
21) 1,1-Dichloroethane	3.599	63	46141	18.960	ug/l	100
22) cis-1,2-Dichloroethene	4.476	96	27141	18.388	ug/l	95
23) tert-Butyl Alcohol	2.977	59	21962	91.097	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	74561	18.764	ug/l	97
25) Chloroform	5.080	83	45989	19.564	ug/l	98
26) Cyclohexane	5.458	56	39967	17.792	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	30317	18.617	ug/l	99
30) 2-Butanone	4.556	43	106830	113.578	ug/l	99
31) 2,2-Dichloropropane	4.464	77	31589	17.155	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	37094	18.800	ug/l	98
33) Carbon Tetrachloride	5.665	117	32166	19.317	ug/l	93
34) Benzene	6.031	78	95210	18.644	ug/l	97
35) Methacrylonitrile	4.922	41	21141	21.004	ug/l	97
36) 1,2-Dichloroethane	6.080	62	35379	20.235	ug/l	97
37) Trichloroethene	7.122	130	22590	18.908	ug/l	98
38) Methylcyclohexane	7.372	83	40108	18.343	ug/l	99
39) 1,2-Dichloropropane	7.427	63	24251	19.101	ug/l	98
40) Dibromomethane	7.580	93	18375	20.168	ug/l	97
41) Bromodichloromethane	7.817	83	35807	19.774	ug/l	98
42) Vinyl Acetate	3.714	43	332676	91.144	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045286.D
Acq On : 14 Mar 2025 10:50
Operator : JC/MD
Sample : VX0314WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS01

Quant Time: Mar 15 03:52:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

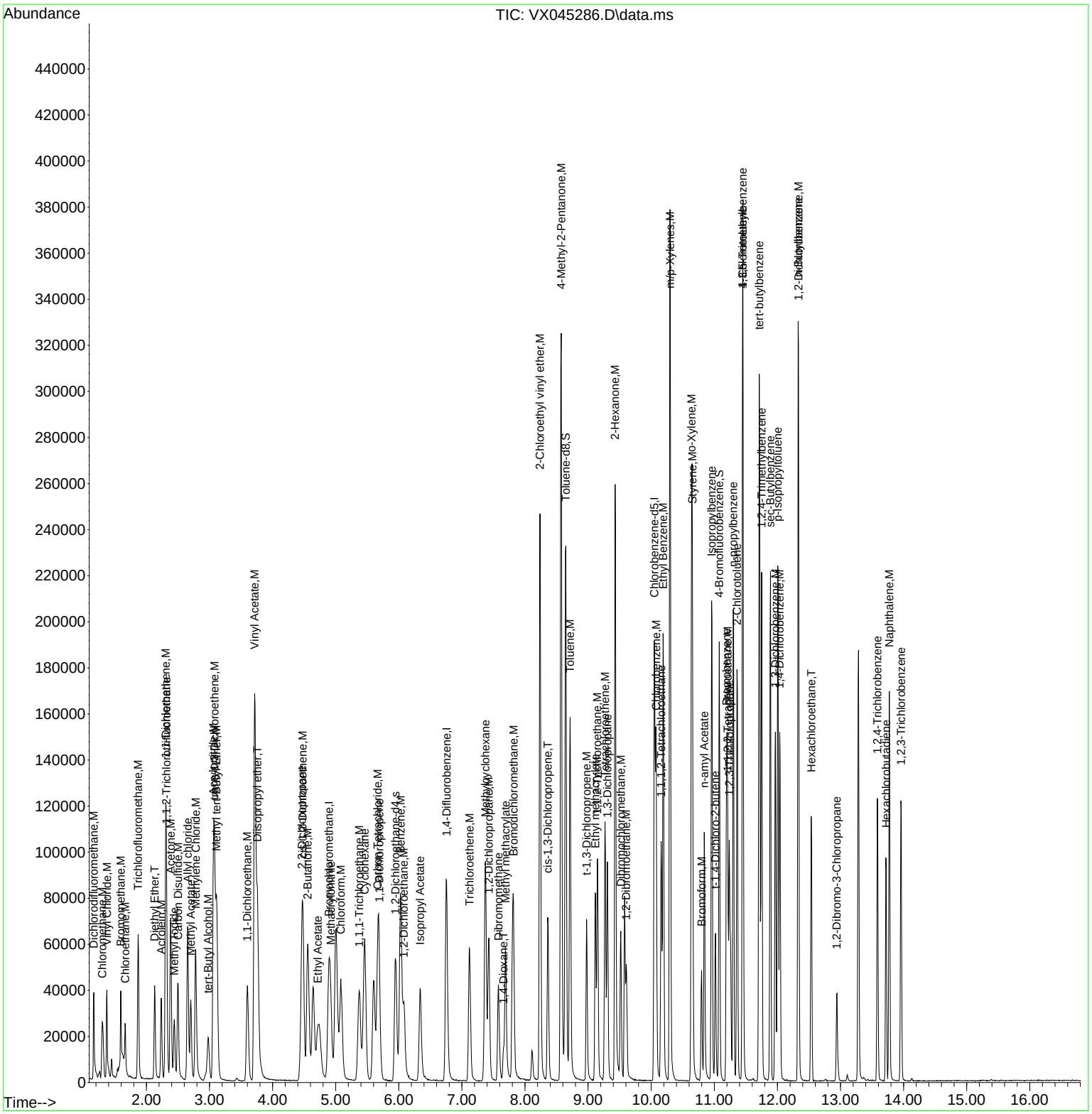
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	35199	19.955	ug/l	98
44) Isopropyl Acetate	6.336	43	55917	19.261	ug/l	97
45) 1,4-Dioxane	7.659	88	10638	352.489	ug/l	97
46) Methyl methacrylate	7.689	41	28686	20.151	ug/l	93
47) n-amyl Acetate	10.841	43	47912	19.019	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	29844	17.099	ug/l	96
49) cis-1,3-Dichloropropene	8.360	75	34894	17.661	ug/l	95
50) 1,1,2-Trichloroethane	9.146	97	22966	19.325	ug/l	92
51) Ethyl methacrylate	9.116	69	35374	18.927	ug/l	97
52) 1,3-Dichloropropane	9.305	76	41412	19.888	ug/l	99
53) Dibromochloromethane	9.518	129	26074	19.838	ug/l	100
54) 1,2-Dibromoethane	9.604	107	23935	19.834	ug/l	97
55) 2-Chloroethyl vinyl ether	8.238	63	95369	99.365	ug/l	99
56) Bromoform	10.799	173	15851	19.246	ug/l	99
58) 4-Methyl-2-Pentanone	8.573	43	202990	110.592	ug/l	100
59) 2-Hexanone	9.427	43	150297	113.286	ug/l	99
61) Tetrachloroethene	9.268	164	19861	19.989	ug/l	98
62) Toluene	8.714	91	102099	19.101	ug/l	98
64) Chlorobenzene	10.079	112	62926	18.998	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.158	131	20981	19.197	ug/l	98
66) Ethyl Benzene	10.189	91	111664	19.082	ug/l	94
67) m/p-Xylenes	10.299	106	84024	38.538	ug/l	97
68) o-Xylene	10.640	106	41215	19.266	ug/l	99
69) Styrene	10.652	104	67348	18.850	ug/l	97
70) Isopropylbenzene	10.957	105	108595	19.671	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	37905	20.881	ug/l	99
72) 1,2,3-Trichloropropane	11.237	75	30748m	20.593	ug/l	
73) Bromobenzene	11.195	156	24655	19.400	ug/l	97
74) n-propylbenzene	11.298	91	127460	19.402	ug/l	99
75) 2-Chlorotoluene	11.359	91	78036	19.648	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	88806	19.499	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	9001	17.918	ug/l	75
78) 4-Chlorotoluene	11.451	91	86271	19.486	ug/l	97
79) tert-butylbenzene	11.713	119	89649	19.537	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	90836	19.911	ug/l	100
81) sec-Butylbenzene	11.890	105	112033	19.453	ug/l	100
82) p-Isopropyltoluene	12.006	119	91002	19.502	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	45537	19.258	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	44970	19.289	ug/l	99
85) n-Butylbenzene	12.329	91	81061	19.023	ug/l	99
86) Hexachloroethane	12.536	117	15708	19.087	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	46343	19.975	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.938	75	7473	21.262	ug/l	92
89) 1,2,4-Trichlorobenzene	13.585	180	25507	18.140	ug/l	97
90) Hexachlorobutadiene	13.725	225	11137	19.421	ug/l	97
91) Naphthalene	13.774	128	93373	18.832	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	26807	18.518	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045286.D
Acq On : 14 Mar 2025 10:50
Operator : JC/MD
Sample : VX0314WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS01

Quant Time: Mar 15 03:52:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration



Raw Data: **VX045293.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VX0314WBSD01		SDG No.:	Q1583	
Lab Sample ID:	VX0314WBSD01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045293.D	1		03/14/25 15:22	VX031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	16.6		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	15.6		0.83	5.00	ug/L
74-83-9	Bromomethane	20.4		0.80	5.00	ug/L
75-00-3	Chloroethane	15.4		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.3		0.76	5.00	ug/L
107-02-8	Acrolein	100		6.60	25.0	ug/L
107-13-1	Acrylonitrile	100		2.80	25.0	ug/L
75-09-2	Methylene Chloride	18.5		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.4		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.74	5.00	ug/L
67-66-3	Chloroform	19.3		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.63	5.00	ug/L
71-43-2	Benzene	19.4		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.50	5.00	ug/L
79-01-6	Trichloroethene	18.9		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.64	5.00	ug/L
108-88-3	Toluene	18.7		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.3		0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.3		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.6		0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	100		4.60	25.0	ug/L
124-48-1	Dibromochloromethane	19.3		0.66	5.00	ug/L
127-18-4	Tetrachloroethene	18.6		0.84	5.00	ug/L
108-90-7	Chlorobenzene	18.5		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	37.9		1.30	10.0	ug/L
95-47-6	o-Xylene	18.4		0.67	5.00	ug/L

Raw Data: **VX045293.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VX0314WBSD01		SDG No.:	Q1583	
Lab Sample ID:	VX0314WBSD01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-PP	
GC Column:	DB-624UI ID : 0.18		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045293.D	1		03/14/25 15:22	VX031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	19.2		0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.7		0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.5		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.9		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	31.5		91 - 110	105%	SPK: 30
2037-26-5	Toluene-d8	29.8		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.7		63 - 112	102%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	15500	4.885			
540-36-3	1,4-Difluorobenzene	80800	6.751			
3114-55-4	Chlorobenzene-d5	76900	10.049			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045293.D
Acq On : 14 Mar 2025 15:22
Operator : JC/MD
Sample : VX0314WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD01

Quant Time: Mar 15 03:59:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.885	128	15546	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	80769	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	76870	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	47556	31.496	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.000%			
60) 4-Bromofluorobenzene	11.079	95	44173	30.744	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.467%			
63) Toluene-d8	8.641	98	126647	29.781	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.267%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	24170	18.443	ug/l	98
3) Chloromethane	1.301	50	26066	16.606	ug/l	100
4) Vinyl Chloride	1.374	62	23588	15.574	ug/l	99
5) Bromomethane	1.593	94	10755	20.399	ug/l	99
6) Chloroethane	1.666	64	12629	15.395	ug/l	94
7) Trichlorofluoromethane	1.874	101	35817	17.595	ug/l	98
8) Diethyl Ether	2.130	74	11933	15.493	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	22953	18.984	ug/l	97
10) 1,1-Dichloroethene	2.306	96	21585	18.278	ug/l	86
11) Methyl Iodide	2.441	142	25552	19.117	ug/l	98
12) Methyl Acetate	2.697	43	36614	26.699	ug/l	97
13) Acrolein	2.233	56	27711	100.812	ug/l	99
14) Acrylonitrile	3.056	53	68425	102.150	ug/l	99
15) Acetone	2.380	58	20453	111.332	ug/l	90
16) Carbon Disulfide	2.502	76	50534m	15.086	ug/l	
17) Allyl chloride	2.654	41	38710	17.525	ug/l	94
18) Methylene Chloride	2.782	84	24553	18.485	ug/l	96
19) trans-1,2-Dichloroethene	3.081	96	20842	17.444	ug/l	96
20) Diisopropyl ether	3.757	45	76188	17.950	ug/l	88
21) 1,1-Dichloroethane	3.605	63	44091	18.678	ug/l	99
22) cis-1,2-Dichloroethene	4.477	96	26300	18.369	ug/l	99
23) tert-Butyl Alcohol	2.971	59	20144	86.142	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	70231	18.221	ug/l	96
25) Chloroform	5.080	83	43989	19.293	ug/l	98
26) Cyclohexane	5.458	56	38170	17.518	ug/l #	99
29) 1,1-Dichloropropene	5.678	75	28106	18.917	ug/l	100
30) 2-Butanone	4.550	43	96464	112.407	ug/l	98
31) 2,2-Dichloropropane	4.465	77	28902	17.203	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	34733	19.294	ug/l	97
33) Carbon Tetrachloride	5.672	117	29661	19.523	ug/l	97
34) Benzene	6.025	78	90227	19.365	ug/l	97
35) Methacrylonitrile	4.916	41	19399	21.124	ug/l	95
36) 1,2-Dichloroethane	6.080	62	34119	21.389	ug/l	96
37) Trichloroethene	7.117	130	20606	18.904	ug/l	96
38) Methylcyclohexane	7.373	83	37543	18.819	ug/l	99
39) 1,2-Dichloropropane	7.427	63	22700	19.597	ug/l	98
40) Dibromomethane	7.580	93	17043	20.503	ug/l	96
41) Bromodichloromethane	7.818	83	33099	20.034	ug/l	98
42) Vinyl Acetate	3.715	43	312048	93.704	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045293.D
Acq On : 14 Mar 2025 15:22
Operator : JC/MD
Sample : VX0314WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD01

Quant Time: Mar 15 03:59:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

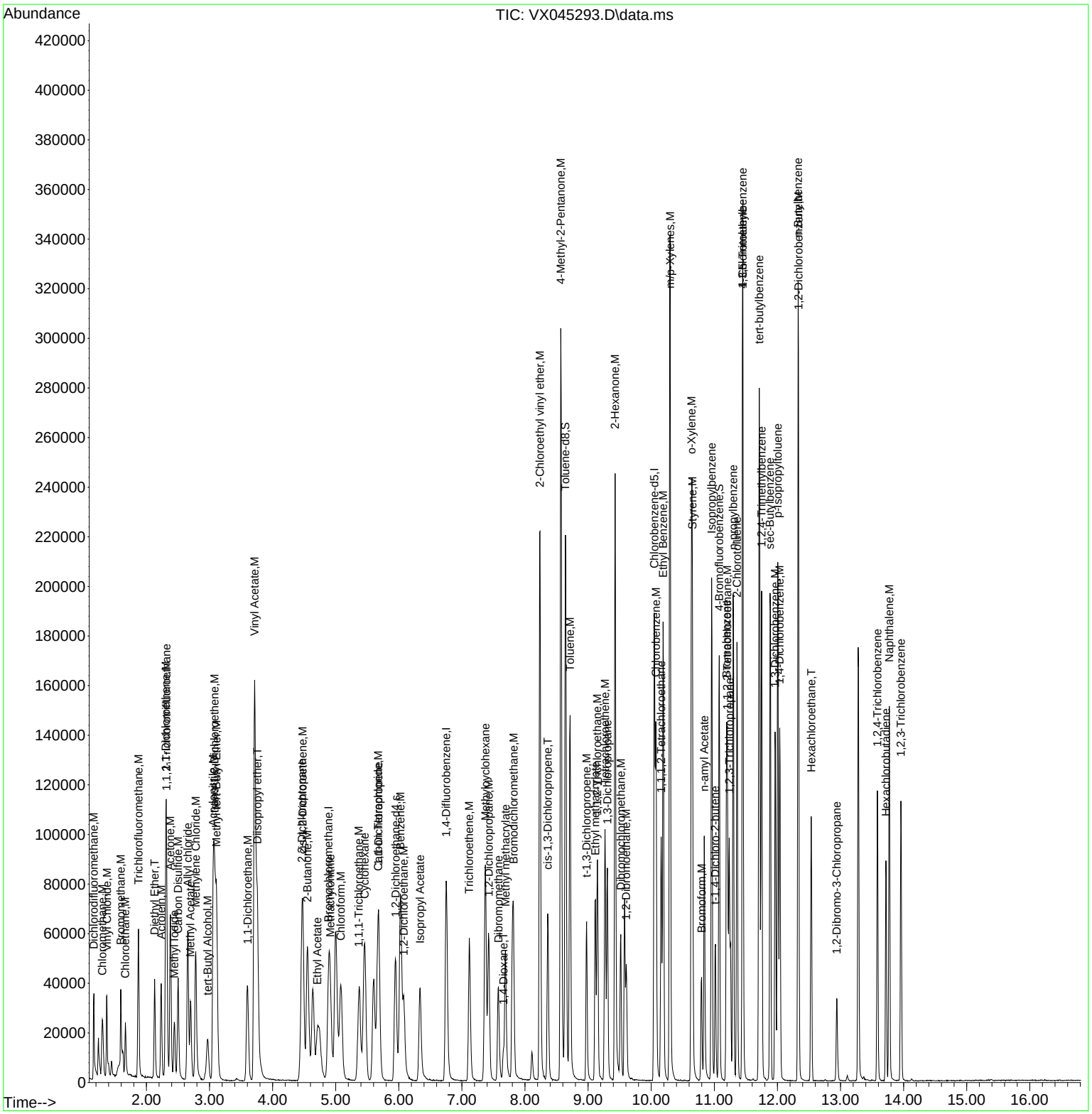
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	32219	20.020	ug/l	95
44) Isopropyl Acetate	6.336	43	52666	19.883	ug/l	97
45) 1,4-Dioxane	7.659	88	9428	342.398	ug/l	96
46) Methyl methacrylate	7.690	41	27400	21.096	ug/l	95
47) n-amyl Acetate	10.841	43	44905	19.537	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	27508	17.274	ug/l	92
49) cis-1,3-Dichloropropene	8.360	75	32980	18.295	ug/l	94
50) 1,1,2-Trichloroethane	9.147	97	21205	19.557	ug/l	96
51) Ethyl methacrylate	9.116	69	33498	19.644	ug/l	98
52) 1,3-Dichloropropane	9.305	76	38391	20.208	ug/l	100
53) Dibromochloromethane	9.519	129	23199	19.346	ug/l	97
54) 1,2-Dibromoethane	9.604	107	22351	20.301	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	88703	101.295	ug/l	99
56) Bromoform	10.799	173	14421	19.191	ug/l	96
58) 4-Methyl-2-Pentanone	8.568	43	183409	104.887	ug/l	99
59) 2-Hexanone	9.427	43	137679	108.930	ug/l	99
61) Tetrachloroethene	9.269	164	17641	18.637	ug/l	92
62) Toluene	8.714	91	95024	18.661	ug/l	98
64) Chlorobenzene	10.073	112	58366	18.497	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	19291	18.528	ug/l	99
66) Ethyl Benzene	10.189	91	103839	18.626	ug/l	96
67) m/p-Xylenes	10.299	106	78640	37.860	ug/l	99
68) o-Xylene	10.640	106	37584	18.442	ug/l	96
69) Styrene	10.652	104	64261	18.879	ug/l	99
70) Isopropylbenzene	10.957	105	101919	19.379	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	35862	20.736	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	29223m	20.544	ug/l	
73) Bromobenzene	11.195	156	23609	19.500	ug/l	99
74) n-propylbenzene	11.299	91	119027	19.018	ug/l	100
75) 2-Chlorotoluene	11.360	91	72536	19.171	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	84806	19.546	ug/l	100
77) t-1,4-Dichloro-2-butene	11.012	75	7992	16.700	ug/l	78
78) 4-Chlorotoluene	11.451	91	80945	19.191	ug/l	97
79) tert-butylbenzene	11.713	119	84533	19.337	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	82957	19.087	ug/l	100
81) sec-Butylbenzene	11.884	105	106811	19.468	ug/l	99
82) p-Isopropyltoluene	12.006	119	85974	19.340	ug/l	99
83) 1,3-Dichlorobenzene	11.963	146	41657	18.492	ug/l	97
84) 1,4-Dichlorobenzene	12.036	146	41957	18.890	ug/l	98
85) n-Butylbenzene	12.329	91	75810	18.675	ug/l	98
86) Hexachloroethane	12.536	117	14252	18.178	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	42657	19.299	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	6851	20.460	ug/l	91
89) 1,2,4-Trichlorobenzene	13.585	180	23476	17.525	ug/l	99
90) Hexachlorobutadiene	13.719	225	10796	19.762	ug/l	99
91) Naphthalene	13.774	128	87097	18.439	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	24804	17.985	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045293.D
Acq On : 14 Mar 2025 15:22
Operator : JC/MD
Sample : VX0314WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD01

Quant Time: Mar 15 03:59:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VX022125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX045008.D	1,2,3-Trichloropropane	JOHN	2/24/2025 9:45:07 AM	MMDadoda	2/24/2025 1:32:23 PM	Peak Integrated by Software
VSTDICC005	VX045008.D	Methacrylonitrile	JOHN	2/24/2025 9:45:07 AM	MMDadoda	2/24/2025 1:32:23 PM	Peak Integrated by Software
VSTDICC005	VX045008.D	tert-Butyl Alcohol	JOHN	2/24/2025 9:45:07 AM	MMDadoda	2/24/2025 1:32:23 PM	Peak Integrated by Software
VSTDICCC020	VX045009.D	1,2,3-Trichloropropane	JOHN	2/24/2025 9:45:15 AM	MMDadoda	2/24/2025 1:32:25 PM	Peak Integrated by Software
VSTDICC050	VX045010.D	1,2,3-Trichloropropane	JOHN	2/24/2025 9:45:26 AM	MMDadoda	2/24/2025 1:32:38 PM	Peak Integrated by Software
VSTDICC100	VX045011.D	1,2,3-Trichloropropane	JOHN	2/24/2025 9:45:31 AM	MMDadoda	2/24/2025 1:32:41 PM	Peak Integrated by Software
VSTDICC150	VX045012.D	1,2,3-Trichloropropane	JOHN	2/24/2025 9:45:36 AM	MMDadoda	2/24/2025 1:32:41 PM	Peak Integrated by Software
VSTDICC150	VX045012.D	tert-Butyl Alcohol	JOHN	2/24/2025 9:45:36 AM	MMDadoda	2/24/2025 1:32:41 PM	Peak Integrated by Software
VSTDICV020	VX045014.D	1,2,3-Trichloropropane	JOHN	2/24/2025 9:45:41 AM	MMDadoda	2/24/2025 1:32:43 PM	Peak Integrated by Software
VSTDCCC020	VX045020.D	1,2,3-Trichloropropane	JOHN	2/24/2025 9:46:10 AM	MMDadoda	2/24/2025 1:32:55 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VX031425	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022125

Review By	John Carlone	Review On	2/24/2025 9:46:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/24/2025 1:33:06 PM		
SubDirectory	VX022125	HP Acquire Method		HP Processing Method	624X022125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133095
Initial Calibration Stds	VP133103,VP133104,VP133105,VP133106,VP133107
CCC	VP133096,VP133109,VP133110
Internal Standard/PEM	
ICV/I.BLK	VP133108
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045007.D	21 Feb 2025 09:31	JC/MD	Ok
2	VSTDICC005	VX045008.D	21 Feb 2025 09:58	JC/MD	Ok,M
3	VSTDICCC020	VX045009.D	21 Feb 2025 10:21	JC/MD	Ok,M
4	VSTDICC050	VX045010.D	21 Feb 2025 10:44	JC/MD	Ok,M
5	VSTDICC100	VX045011.D	21 Feb 2025 11:07	JC/MD	Ok,M
6	VSTDICC150	VX045012.D	21 Feb 2025 11:29	JC/MD	Ok,M
7	IBLK	VX045013.D	21 Feb 2025 11:52	JC/MD	Ok
8	VSTDICV020	VX045014.D	21 Feb 2025 13:09	JC/MD	Ok,M
9	VX0221WBS01	VX045015.D	21 Feb 2025 13:41	JC/MD	Ok,M
10	VX0221WBSD01	VX045016.D	21 Feb 2025 14:03	JC/MD	Ok,M
11	VX0221WBL01	VX045017.D	21 Feb 2025 14:39	JC/MD	Ok
12	Q1168-07 2.5PPB	VX045018.D	21 Feb 2025 15:12	JC/MD	Ok,M
13	Q1168-08 5.0PPB	VX045019.D	21 Feb 2025 15:38	JC/MD	Ok,M
14	VSTDCCC020	VX045020.D	21 Feb 2025 16:05	JC/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031425

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VX031425	HP Acquire Method		HP Processing Method	624X022125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133291
Initial Calibration Stds	
CCC	VP133292,VP133293
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045284.D	14 Mar 2025 09:28	JC/MD	Ok
2	VSTDCCC020	VX045285.D	14 Mar 2025 10:17	JC/MD	Ok,NR
3	VX0314WBS01	VX045286.D	14 Mar 2025 10:50	JC/MD	Ok,NR
4	VX0314WBS02	VX045287.D	14 Mar 2025 11:17	JC/MD	Not Ok
5	VX0314WBL01	VX045288.D	14 Mar 2025 11:40	JC/MD	Ok
6	Q1502-02	VX045289.D	14 Mar 2025 12:09	JC/MD	Ok
7	IBLK	VX045290.D	14 Mar 2025 12:32	JC/MD	Ok
8	Q1495-01	VX045291.D	14 Mar 2025 12:59	JC/MD	Ok,NR
9	Q1495-02	VX045292.D	14 Mar 2025 13:22	JC/MD	Ok,NR
10	VX0314WBSD01	VX045293.D	14 Mar 2025 15:22	JC/MD	Ok,NR
11	Q1583-01	VX045294.D	14 Mar 2025 16:18	JC/MD	Ok
12	VSTDCCC020	VX045295.D	14 Mar 2025 16:41	JC/MD	Ok,NR

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022125

Review By	John Carlone	Review On	2/24/2025 9:46:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/24/2025 1:33:06 PM		
SubDirectory	VX022125	HP Acquire Method		HP Processing Method	624X022125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133095
Initial Calibration Stds	VP133103,VP133104,VP133105,VP133106,VP133107
CCC	VP133096,VP133109,VP133110
Internal Standard/PEM	
ICV/I.BLK	VP133108
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045007.D	21 Feb 2025 09:31		JC/MD	Ok
2	VSTDICC005	VSTDICC005	VX045008.D	21 Feb 2025 09:58		JC/MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VX045009.D	21 Feb 2025 10:21		JC/MD	Ok,M
4	VSTDICC050	VSTDICC050	VX045010.D	21 Feb 2025 10:44		JC/MD	Ok,M
5	VSTDICC100	VSTDICC100	VX045011.D	21 Feb 2025 11:07		JC/MD	Ok,M
6	VSTDICC150	VSTDICC150	VX045012.D	21 Feb 2025 11:29		JC/MD	Ok,M
7	IBLK	IBLK	VX045013.D	21 Feb 2025 11:52		JC/MD	Ok
8	VSTDICV020	ICVVX022125	VX045014.D	21 Feb 2025 13:09		JC/MD	Ok,M
9	VX0221WBS01	VX0221WBS01	VX045015.D	21 Feb 2025 13:41		JC/MD	Ok,M
10	VX0221WBSD01	VX0221WBSD01	VX045016.D	21 Feb 2025 14:03		JC/MD	Ok,M
11	VX0221WBL01	VX0221WBL01	VX045017.D	21 Feb 2025 14:39		JC/MD	Ok
12	Q1168-07 2.5PPB	LOD-MDL-WATER-01-(	VX045018.D	21 Feb 2025 15:12		JC/MD	Ok,M
13	Q1168-08 5.0PPB	LOQ-WATER-02-QT1-2	VX045019.D	21 Feb 2025 15:38		JC/MD	Ok,M
14	VSTDCCC020	VSTDCCC020EC	VX045020.D	21 Feb 2025 16:05		JC/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031425

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VX031425	HP Acquire Method		HP Processing Method	624X022125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133291
Initial Calibration Stds	
CCC	VP133292,VP133293
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045284.D	14 Mar 2025 09:28		JC/MD	Ok
2	VSTDCCC020	VSTDCCC020	VX045285.D	14 Mar 2025 10:17		JC/MD	Ok,NR
3	VX0314WBS01	VX0314WBS01	VX045286.D	14 Mar 2025 10:50		JC/MD	Ok,NR
4	VX0314WBS02	VX0314WBS02	VX045287.D	14 Mar 2025 11:17	Surrogate fail	JC/MD	Not Ok
5	VX0314WBL01	VX0314WBL01	VX045288.D	14 Mar 2025 11:40		JC/MD	Ok
6	Q1502-02	PT-VOA-WP	VX045289.D	14 Mar 2025 12:09		JC/MD	Ok
7	IBLK	IBLK	VX045290.D	14 Mar 2025 12:32		JC/MD	Ok
8	Q1495-01	001-WILLETS-PT-BLVD	VX045291.D	14 Mar 2025 12:59		JC/MD	Ok,NR
9	Q1495-02	002-35TH-AVE(MAR)	VX045292.D	14 Mar 2025 13:22		JC/MD	Ok,NR
10	VX0314WBSD01	VX0314WBSD01	VX045293.D	14 Mar 2025 15:22		JC/MD	Ok,NR
11	Q1583-01	EFF-WASTE WATER	VX045294.D	14 Mar 2025 16:18		JC/MD	Ok
12	VSTDCCC020	VSTDCCC020EC	VX045295.D	14 Mar 2025 16:41		JC/MD	Ok,NR

M : Manual Integration

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1583
QUOTE NO.
COC Number 2041674

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: ARDMORE INC
ADDRESS: 29 RIVERSIDE Ave Bldg #4
CITY Newark NJ STATE: ZIP: 07104
ATTENTION: MICHAEL Sharphouse
PHONE: 973 481 2406 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: PVSC Monthly 2025
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STANDARD DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1 VOA
2 CN
3 SVOA
4 BOD/TSS
5 METALS
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	EFF WASTE WATER	WW		X	3/19/25	9:45 AM		X	X								pH 12
2.	EFF WASTE WATER	WW	X		3/19/25	9:00 - 9:10				X	X	X					pH 1.9
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Specify Preservatives: A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/19/25 10 AM	1. Albert Sharphouse
2.	3-19-25 1345	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1-C °C
Comments: METALS ZINC LEAD COPPER, Mercury Nickle Ed
IR Gun #1

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1583 ARDM01
Client Name : Ardmore Chemical
Client Contact : Michael Sharphouse
Invoice Name : Ardmore Chemical
Invoice Contact : Michael Sharphouse

Order Date : 3/14/2025 1:50:00 PM
Project Name : PVSC Monthly 2025
Receive DateTime : 3/14/2025 1:45:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : NONE
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1583-01	EFF-WASTE WATER	Water	03/14/2025	09:45					
					VOC-PP		624.1		10 Bus. Days

Relinguished By : OP
Date / Time : 3-14-25 14:05

Received By : [signature]
Date / Time : 3.14.25 14:05

Storage Area : VOA Refridgerator Room