284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q1316

Project ID : Transfer Station-SPDES

Client : Tully Environmental, Inc

Lab Sample Number	Client Sample Number
Q1316-01	001-WILLETS-PT-BLVD(FEB)
Q1316-02	002-35TH-AVE(FEB)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 2/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1316**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **KETAN PATEL** **Date:** **02/11/2025**

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LAB CHRONICLE

OrderID:	Q1316	**OrderDate:**	2/6/2025 10:57:00 AM
Client:	Tully Environmental, Inc	**Project:**	Transfer Station-SPDES
Contact:	Dean Devoe	**Location:**	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1316-01	**001-WILLETS-PT-BLVD(FEB)**	**Water**			**02/05/25**			**02/06/25**
			VOC-BTEX	624.1			02/07/25	
Q1316-02	**002-35TH-AVE(FEB)**	**Water**			**02/05/25**			**02/06/25**
			VOC-BTEX	624.1			02/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1316

Client: Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**001-WILLETS-PT-BLVD(FEB)**							
Q1316-01	001-WILLETS-PT-	Water	Toluene	29.3		0.72	5.00	ug/L
			Total Voc :	29.3				
			Total Concentration:	29.3				
Client ID:	**002-35TH-AVE(FEB)**							
Q1316-02	002-35TH-AVE(FE	Water	Toluene	25.6		0.72	5.00	ug/L
			Total Voc :	25.6				
			Total Concentration:	25.6				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1316

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1316-01	001-WILLETS-PT-BLVD(FEB)	1,2-Dichloroethane-d4	30	28.8	96	91	110
		Toluene-d8	30	29.9	100	91	112
		4-Bromofluorobenzene	30	32.3	108	63	112
Q1316-02	002-35TH-AVE(FEB)	1,2-Dichloroethane-d4	30	28.9	96	91	110
		Toluene-d8	30	29.8	99	91	112
		4-Bromofluorobenzene	30	27.5	92	63	112
VX0207WBL01	VX0207WBL01	1,2-Dichloroethane-d4	30	29.3	98	91	110
		Toluene-d8	30	30.4	101	91	112
		4-Bromofluorobenzene	30	31.4	105	63	112
VX0207WBS01	VX0207WBS01	1,2-Dichloroethane-d4	30	28.8	96	91	110
		Toluene-d8	30	29.8	99	91	112
		4-Bromofluorobenzene	30	28.8	96	63	112
VX0207WBSD0	VX0207WBSD01	1,2-Dichloroethane-d4	30	29.4	98	91	110
		Toluene-d8	30	29.3	98	91	112
		4-Bromofluorobenzene	30	29.1	97	63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1316

Client: Tully Environmental, Inc

Analytical Method: SW624.1 **Datafile :** VX044857.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0207WBS01	Benzene	20	21.0	ug/L	105			65	135	
	Toluene	20	20.7	ug/L	104			70	130	
	Ethyl Benzene	20	20.8	ug/L	104			60	140	
	m/p-Xylenes	40	43.0	ug/L	108			87	111	
	o-Xylene	20	21.5	ug/L	108			87	111	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1316

Client: Tully Environmental, Inc

Analytical Method: SW624.1 **Datafile :** VX044858.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0207WBSD01	Benzene	20	21.6	ug/L	108	3		65	135	20
	Toluene	20	20.7	ug/L	104	0		70	130	20
	Ethyl Benzene	20	20.8	ug/L	104	0		60	140	20
	m/p-Xylenes	40	42.8	ug/L	107	1		87	111	20
	o-Xylene	20	21.2	ug/L	106	2		87	111	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0207WBL01

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: Q1316 SAS No.: Q1316 SDG NO.: Q1316

Lab File ID: VX044859.D Lab Sample ID: VX0207WBL01

Date Analyzed: 02/07/2025 Time Analyzed: 11:24

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
VX0207WBS01	VX0207WBS01	VX044857.D	02/07/2025
VX0207WBSD01	VX0207WBSD01	VX044858.D	02/07/2025
001-WILLETS-PT-BLVD(FEB)	Q1316-01	VX044862.D	02/07/2025
002-35TH-AVE(FEB)	Q1316-02	VX044863.D	02/07/2025

COMMENTS:

Raw Data: **VX044658.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: Q1316 SAS No.: Q1316 SDG NO.: Q1316

Lab File ID: VX044658.D BFB Injection Date: 01/16/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:02

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	18.2
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	66.7
175	5.0 - 9.0% of mass 174	4.7 (7) 1
176	95.0 - 101.0% of mass 174	64.7 (97) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDICC005	VSTDICC005	VX044659.D	01/16/2025	08:39
VSTDICCC020	VSTDICCC020	VX044660.D	01/16/2025	09:02
VSTDICC050	VSTDICC050	VX044661.D	01/16/2025	09:25
VSTDICC100	VSTDICC100	VX044662.D	01/16/2025	09:49
VSTDICC150	VSTDICC150	VX044663.D	01/16/2025	10:12

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: Q1316 SAS No.: Q1316 SDG NO.: Q1316

Lab File ID: VX044855.D BFB Injection Date: 02/07/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:33

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	19.7
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	69.9 (96.4) 1
177	5.0 - 9.0% of mass 176	4.6 (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	VX044856.D	02/07/2025	10:01
VX0207WBS01	VX0207WBS01	VX044857.D	02/07/2025	10:33
VX0207WBSD01	VX0207WBSD01	VX044858.D	02/07/2025	11:01
VX0207WBL01	VX0207WBL01	VX044859.D	02/07/2025	11:24
001-WILLETS-PT-BLVD(FEB)	Q1316-01	VX044862.D	02/07/2025	12:39
002-35TH-AVE(FEB)	Q1316-02	VX044863.D	02/07/2025	13:02

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: Q1316 SAS No.: Q1316 SDG NO.: Q1316

Lab File ID: VX044856.D Date Analyzed: 02/07/2025

Instrument ID: MSVOA_X Time Analyzed: 10:01

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	21982	4.89	127777	6.75	110326	10.05
UPPER LIMIT	43964	5.391	255554	7.251	220652	10.549
LOWER LIMIT	10991	4.391	63888.5	6.251	55163	9.549
EPA SAMPLE NO.						
001-WILLETS-PT-BLVD(FEB)	17567	4.90	97818	6.76	89585	10.05
002-35TH-AVE(FEB)	18946	4.89	105183	6.76	95504	10.05
VX0207WBL01	20510	4.90	114099	6.76	99648	10.05
VX0207WBS01	21269	4.89	121245	6.75	109254	10.05
VX0207WBSD01	19387	4.89	108776	6.76	100274	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: Q1316 SAS No.: Q1316 SDG NO.: Q1316

Lab File ID: VX044856.D Date Analyzed: 02/07/2025

Instrument ID: MSVOA_X Time Analyzed: 10:01

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

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
001-WILLETS-PT-BLVD(FEB)	0	0.00				
002-35TH-AVE(FEB)	0	0.00				
VX0207WBL01	0	0.00				
VX0207WBS01	0	0.00				
VX0207WBSD01	0	0.00				

IS4 =

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: **VX044862.D**

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Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	02/05/25
Project:	Transfer Station-SPDES	Date Received:	02/06/25
Client Sample ID:	001-WILLETS-PT-BLVD(FEB)	SDG No.:	Q1316
Lab Sample ID:	Q1316-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044862.D	1		02/07/25 12:39	VX020725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
108-88-3	Toluene	29.3		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.8		91 - 110	96%	SPK: 30
2037-26-5	Toluene-d8	29.9		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	32.3		63 - 112	108%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	17600	4.897			
540-36-3	1,4-Difluorobenzene	97800	6.757			
3114-55-4	Chlorobenzene-d5	89600	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

Sample Results: **VX044862.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044862.D
Acq On : 07 Feb 2025 12:39
Operator : JC/MD
Sample : Q1316-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(FEB)

Quant Time: Feb 07 22:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.897	128	17567	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	97818	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	89585	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	48817	28.785	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 95.967%			
60) 4-Bromofluorobenzene	11.079	95	56135	32.261	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 107.533%			
63) Toluene-d8	8.647	98	145836	29.930	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.767%			
Target Compounds						Qvalue
15) Acetone	2.386	58	7632	41.204	ug/l	96
62) Toluene	8.714	91	172750	29.285	ug/l	98
82) p-Isopropyltoluene	12.006	119	8192	1.673	ug/l	96

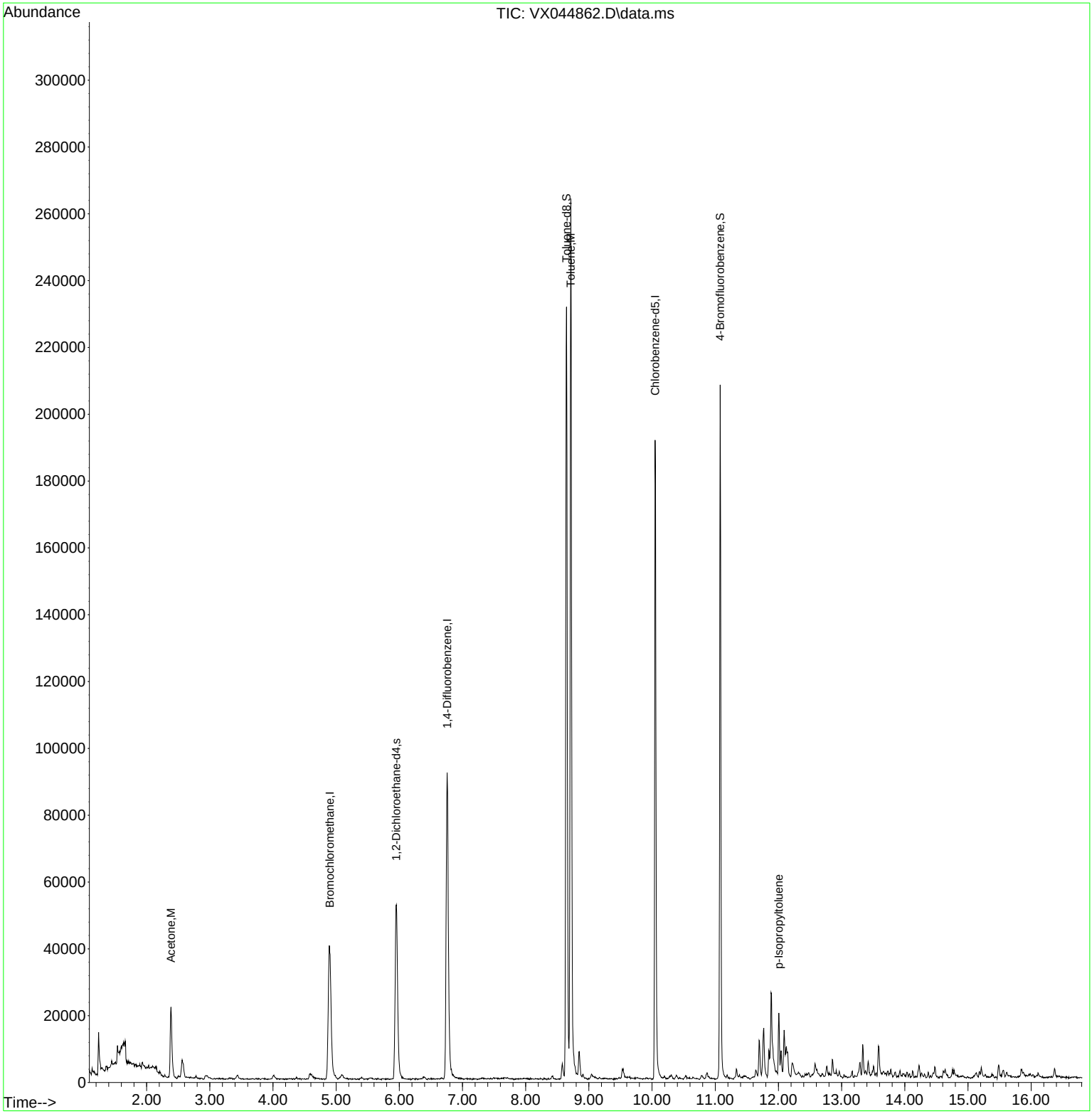
(#) = qualifier out of range (m) = manual integration (+) = signals summed

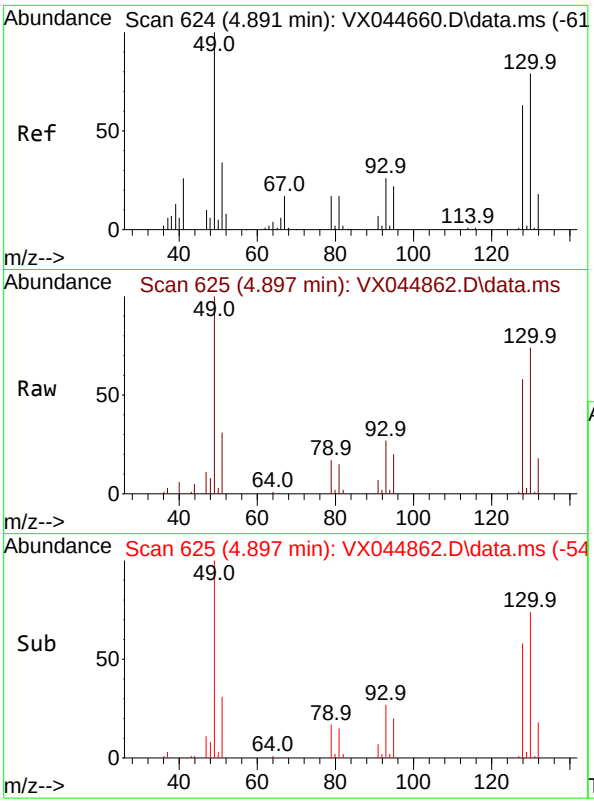
Sample Results: **VX044862.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044862.D
Acq On : 07 Feb 2025 12:39
Operator : JC/MD
Sample : Q1316-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(FEB)

Quant Time: Feb 07 22:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



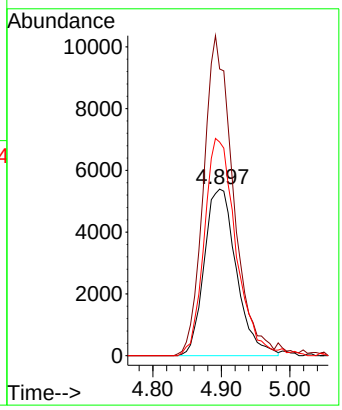


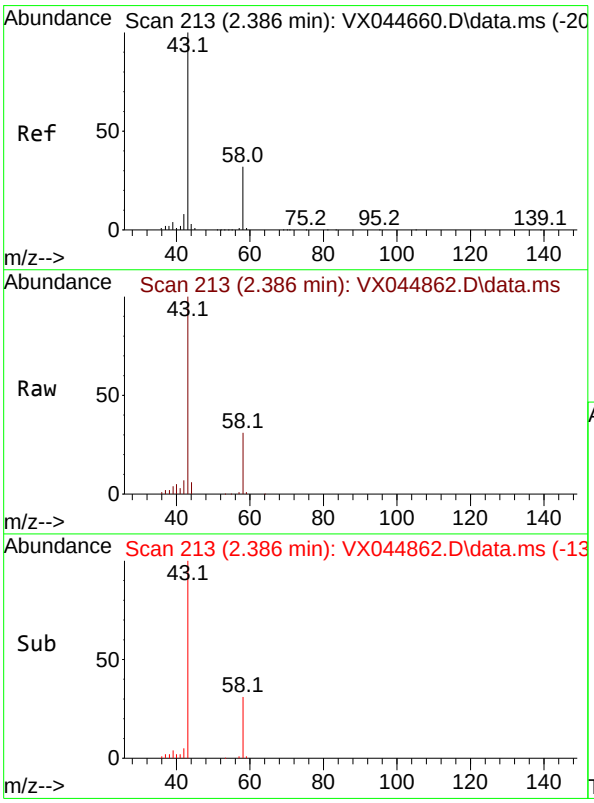
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044862.D
Acq: 07 Feb 2025 12:39

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(FEB)

Tgt Ion:128 Resp: 17567

Ion	Ratio	Lower	Upper
128	100		
49	177.1	0.0	411.5
130	127.7	0.0	324.3

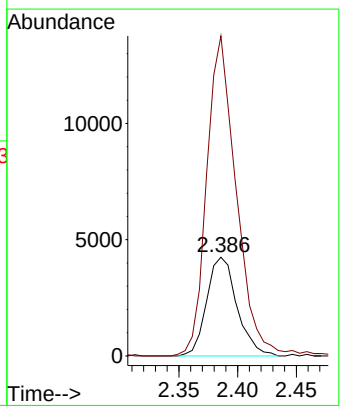


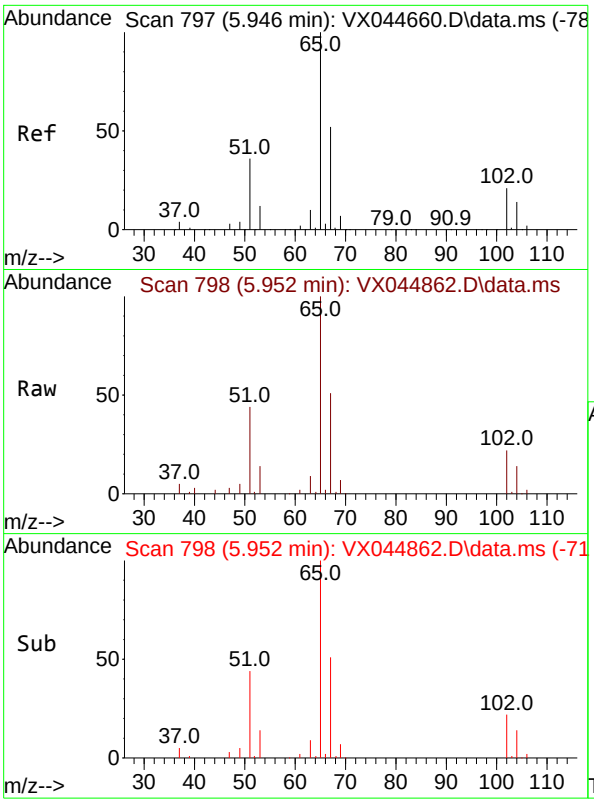


#15
Acetone
Concen: 41.204 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044862.D
Acq: 07 Feb 2025 12:39

Tgt Ion: 58 Resp: 7632

Ion	Ratio	Lower	Upper
58	100		
43	322.4	251.0	376.4



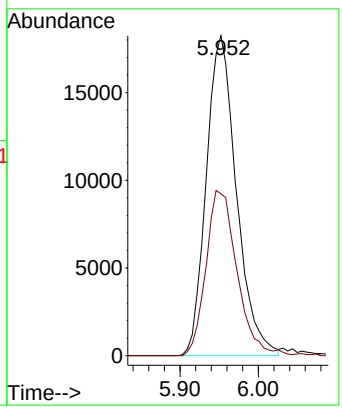


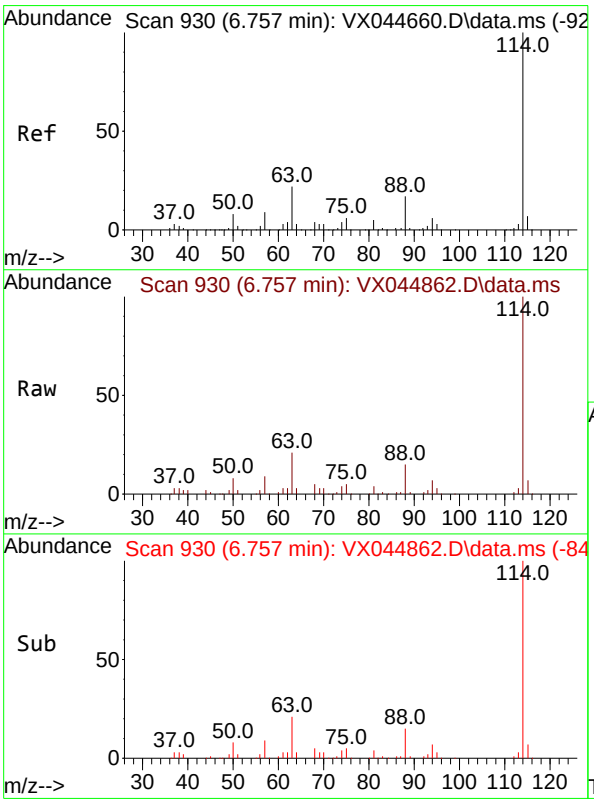
#27
1,2-Dichloroethane-d4
Concen: 28.785 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044862.D
Acq: 07 Feb 2025 12:39

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(FEB)

Tgt Ion: 65 Resp: 48817

Ion	Ratio	Lower	Upper
65	100		
67	52.6	41.4	62.2

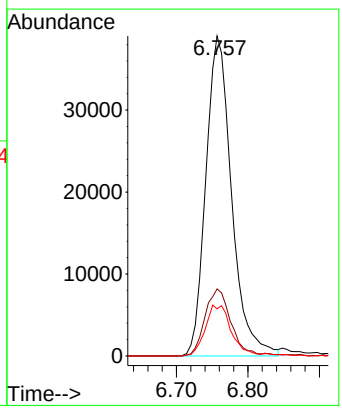


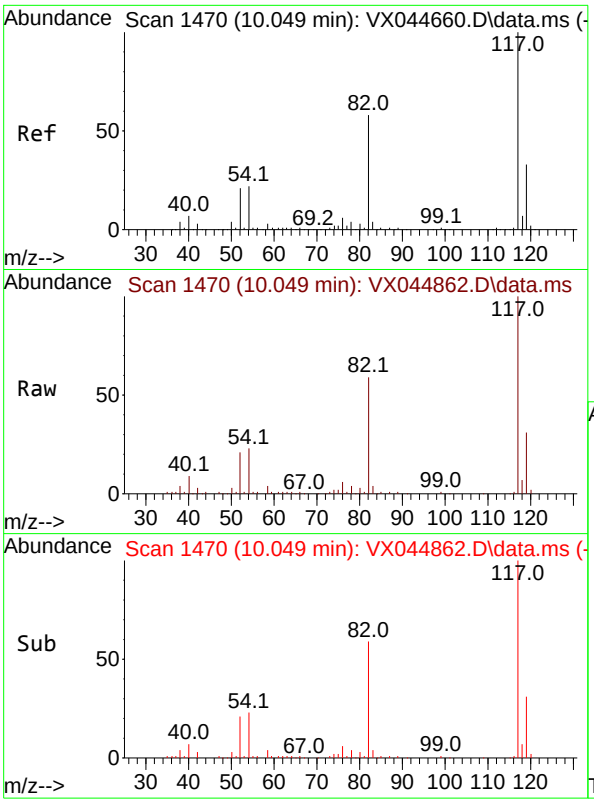


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044862.D
Acq: 07 Feb 2025 12:39

Tgt Ion:114 Resp: 97818

Ion	Ratio	Lower	Upper
114	100		
63	20.8	16.6	24.8
88	15.9	13.4	20.2



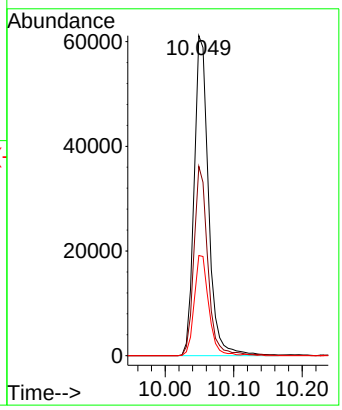


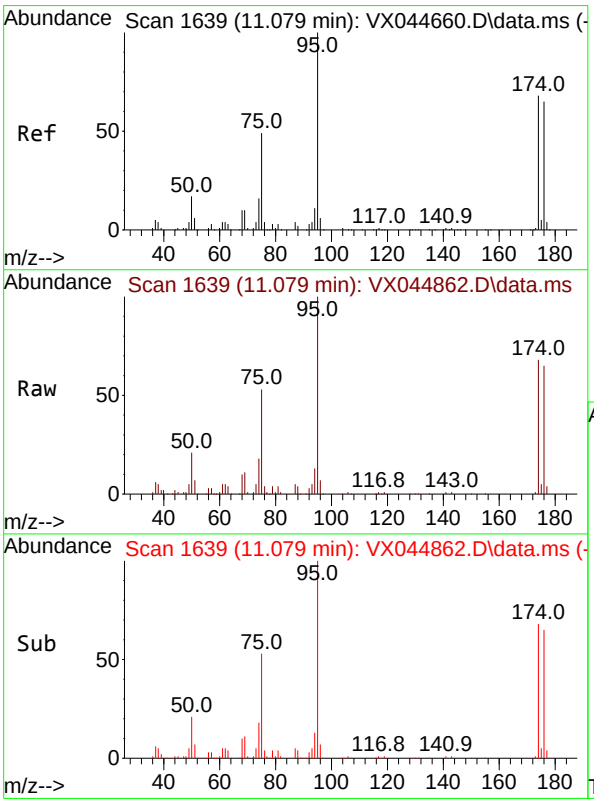
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044862.D
Acq: 07 Feb 2025 12:39

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(FEB)

Tgt Ion:117 Resp: 89585

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.8	68.6
119	31.4	25.8	38.6

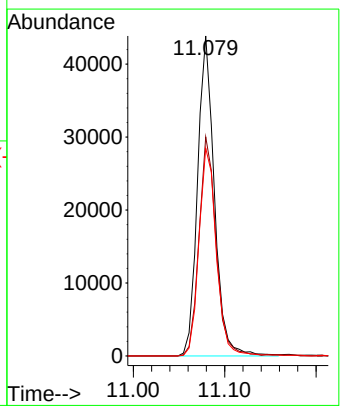


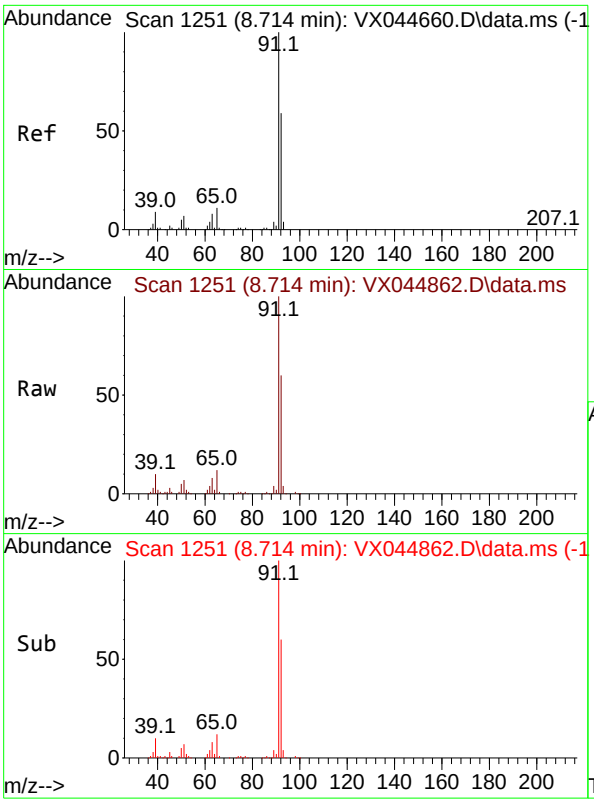


#60
4-Bromofluorobenzene
Concen: 32.261 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044862.D
Acq: 07 Feb 2025 12:39

Tgt Ion: 95 Resp: 56135

Ion	Ratio	Lower	Upper
95	100		
174	69.5	54.6	81.8
176	66.6	52.8	79.2



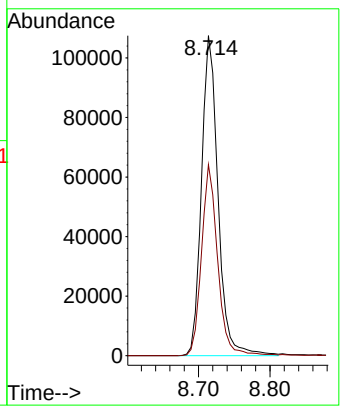


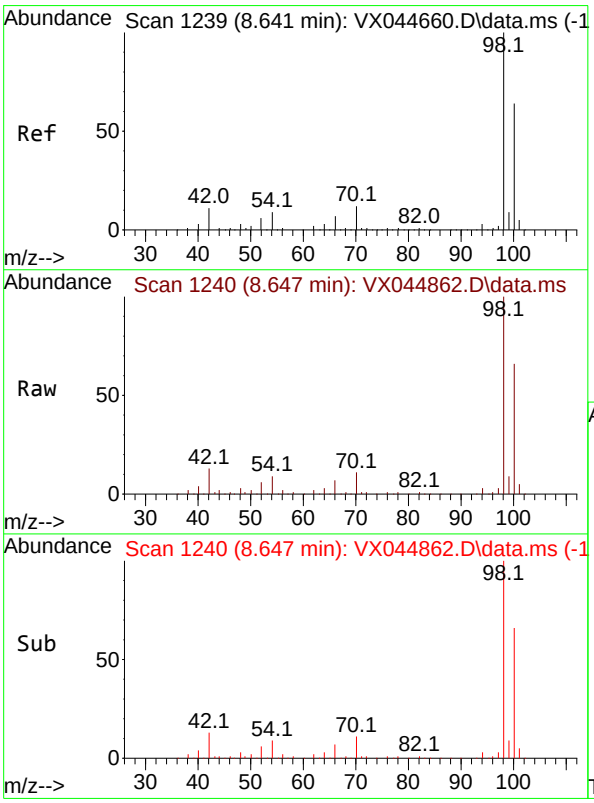
#62
Toluene
Concen: 29.285 ug/l
RT: 8.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044862.D
Acq: 07 Feb 2025 12:39

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(FEB)

Tgt Ion: 91 Resp: 172750

Ion	Ratio	Lower	Upper
91	100		
92	57.5	47.3	70.9

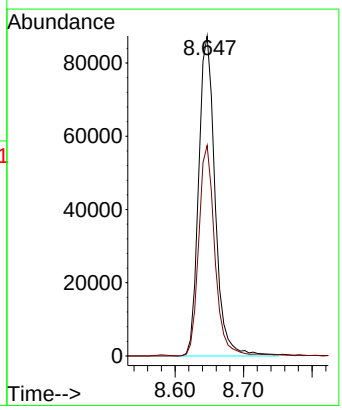


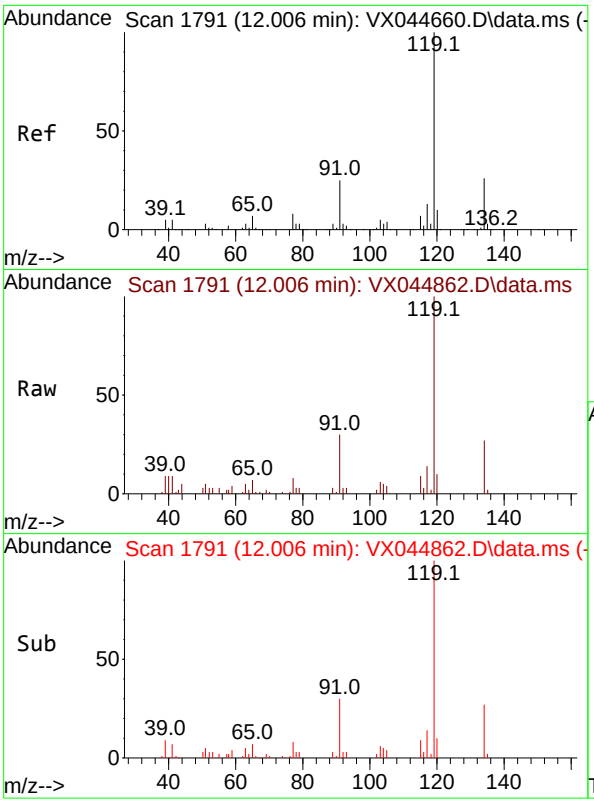


#63
Toluene-d8
Concen: 29.930 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044862.D
Acq: 07 Feb 2025 12:39

Tgt Ion: 98 Resp: 145836

Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.6	80.4



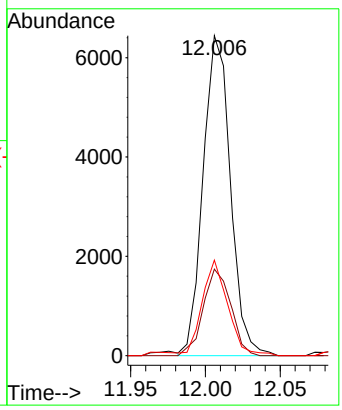


#82
p-Isopropyltoluene
Concen: 1.673 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044862.D
Acq: 07 Feb 2025 12:39

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(FEB)

Tgt Ion:119 Resp: 8192

Ion	Ratio	Lower	Upper
119	100		
134	27.3	0.0	52.2
91	28.1	0.0	50.2



Raw Data: **VX044863.D**

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

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	02/05/25
Project:	Transfer Station-SPDES	Date Received:	02/06/25
Client Sample ID:	002-35TH-AVE(FEB)	SDG No.:	Q1316
Lab Sample ID:	Q1316-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044863.D	1		02/07/25 13:02	VX020725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
108-88-3	Toluene	25.6		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.9		91 - 110	96%	SPK: 30
2037-26-5	Toluene-d8	29.8		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.5		63 - 112	92%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	18900	4.891			
540-36-3	1,4-Difluorobenzene	105000	6.757			
3114-55-4	Chlorobenzene-d5	95500	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

Sample Results: **VX044863.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044863.D
Acq On : 07 Feb 2025 13:02
Operator : JC/MD
Sample : Q1316-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

Quant Time: Feb 07 22:13:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

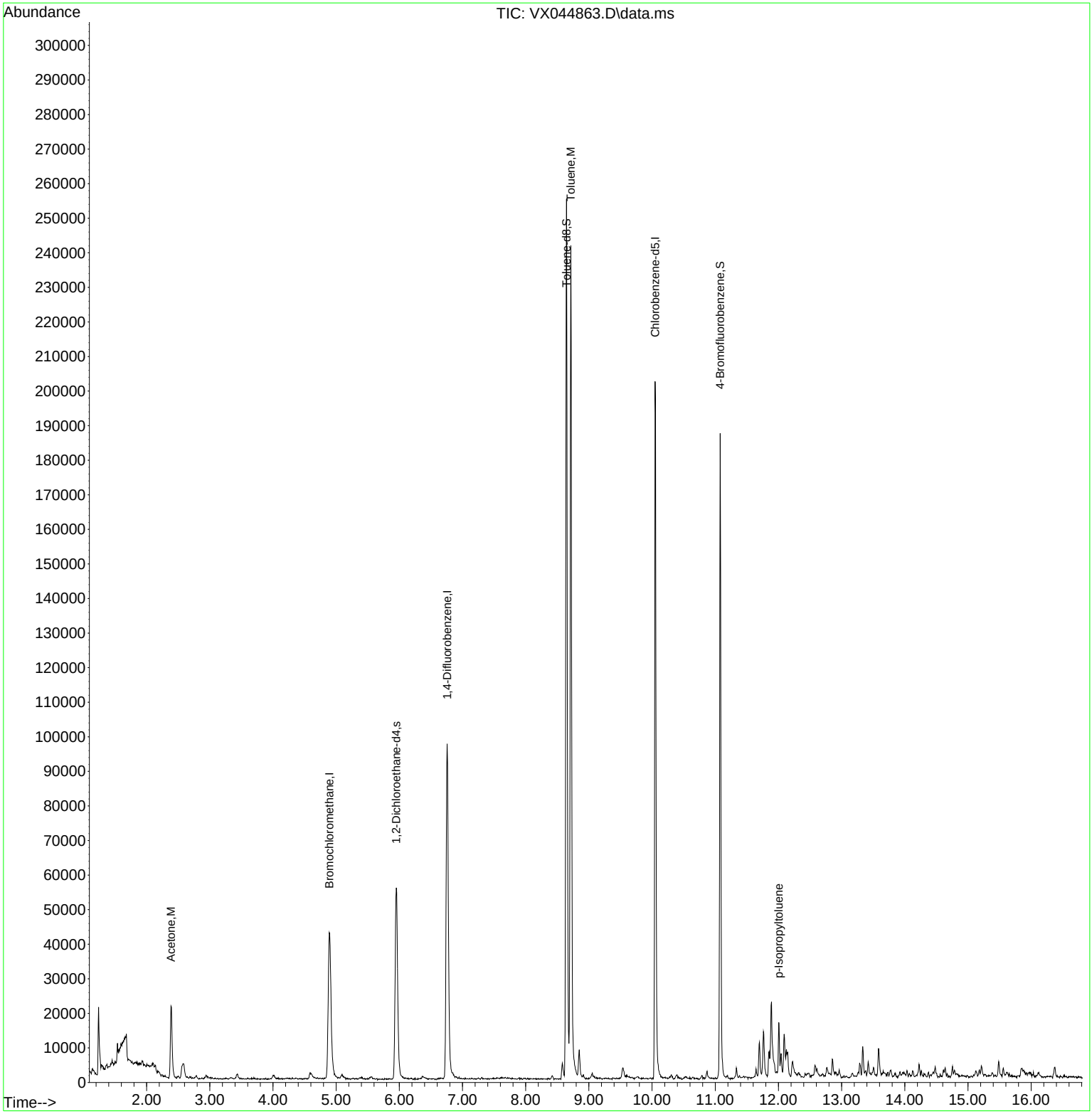
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	18946	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	105183	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	95504	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	52936	28.942	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 96.467%			
60) 4-Bromofluorobenzene	11.079	95	50950	27.466	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.567%			
63) Toluene-d8	8.647	98	154849	29.811	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.367%			
Target Compounds						Qvalue
15) Acetone	2.386	58	7906	39.576	ug/l	93
62) Toluene	8.714	91	161074	25.614	ug/l	97
82) p-Isopropyltoluene	12.006	119	6832	1.309	ug/l	95

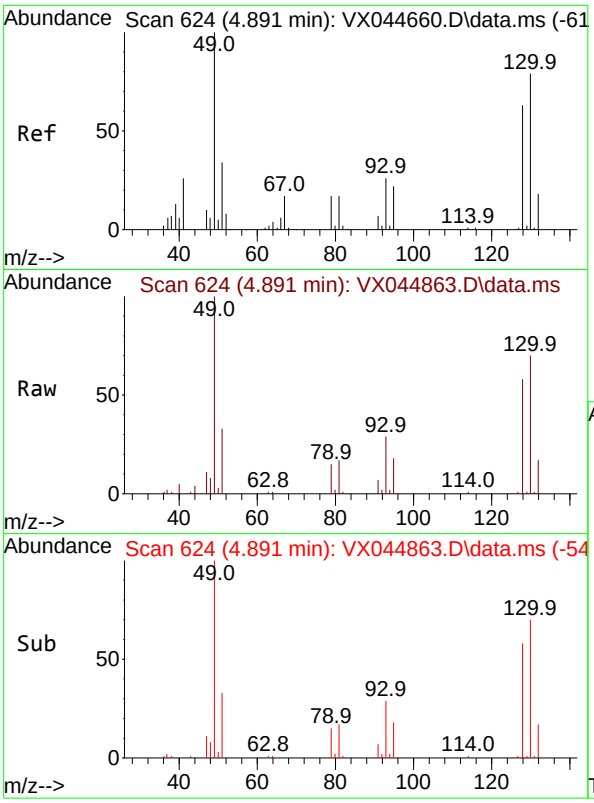
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044863.D
Acq On : 07 Feb 2025 13:02
Operator : JC/MD
Sample : Q1316-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

Quant Time: Feb 07 22:13:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



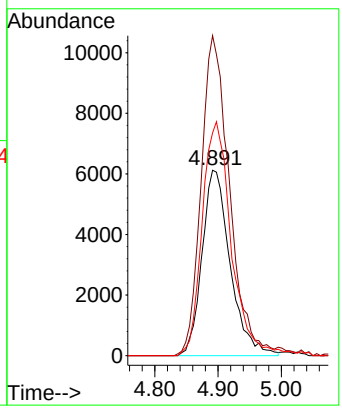


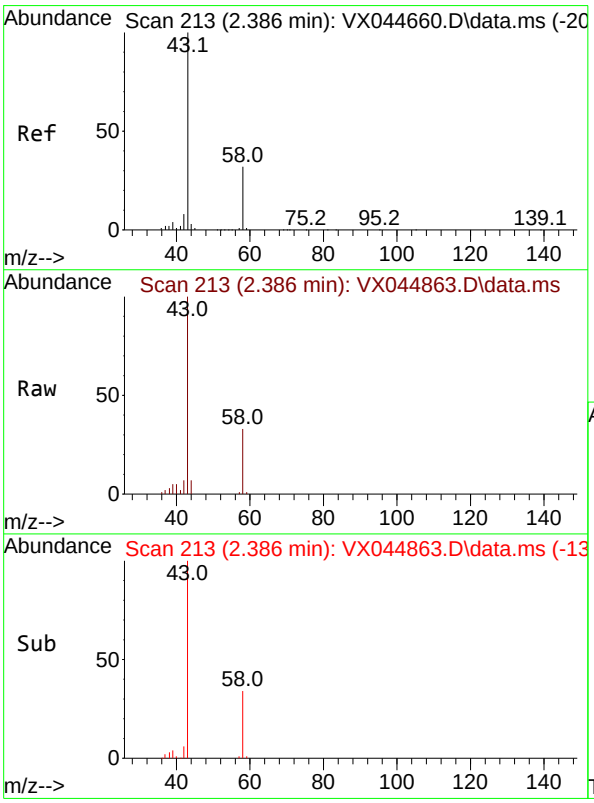
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044863.D
Acq: 07 Feb 2025 13:02

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

Tgt Ion:128 Resp: 18946

Ion	Ratio	Lower	Upper
128	100		
49	173.4	0.0	411.5
130	130.8	0.0	324.3

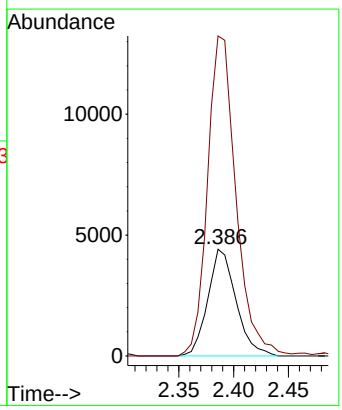


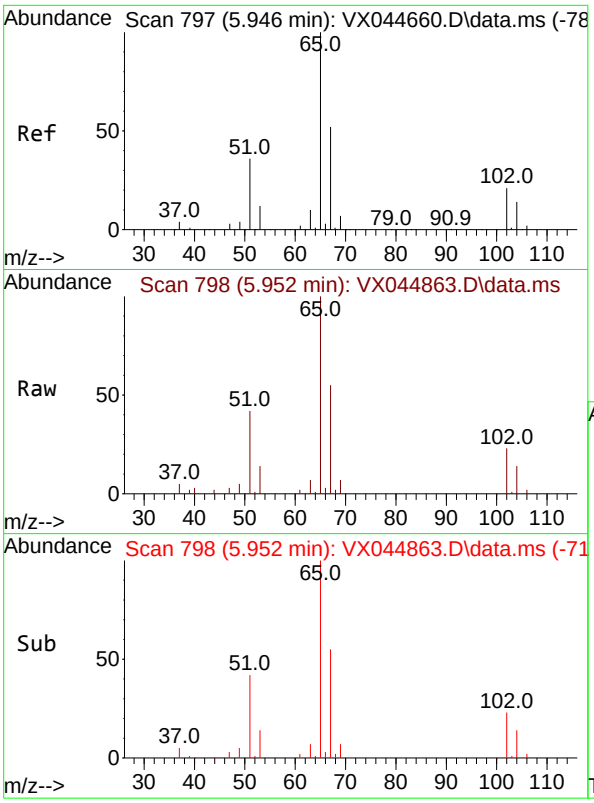


#15
Acetone
Concen: 39.576 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044863.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 58 Resp: 7906

Ion	Ratio	Lower	Upper
58	100		
43	299.8	251.0	376.4



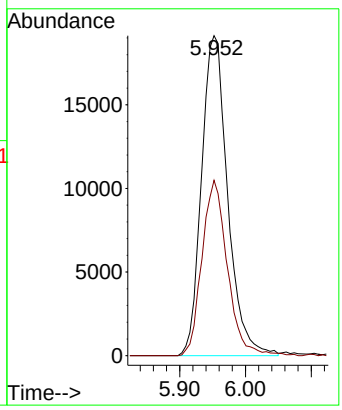


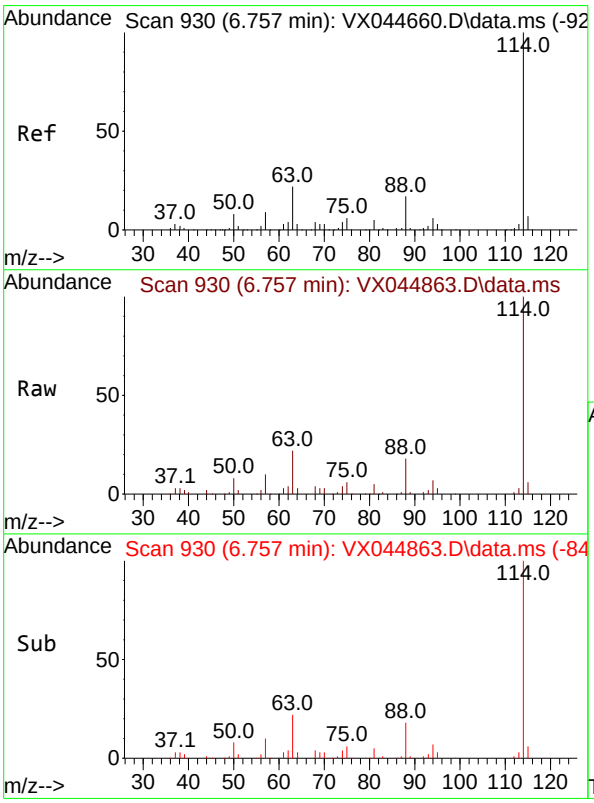
#27
1,2-Dichloroethane-d4
Concen: 28.942 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044863.D
Acq: 07 Feb 2025 13:02

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

Tgt Ion: 65 Resp: 52936

Ion	Ratio	Lower	Upper
65	100		
67	53.3	41.4	62.2

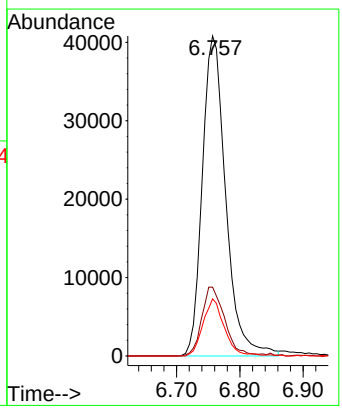


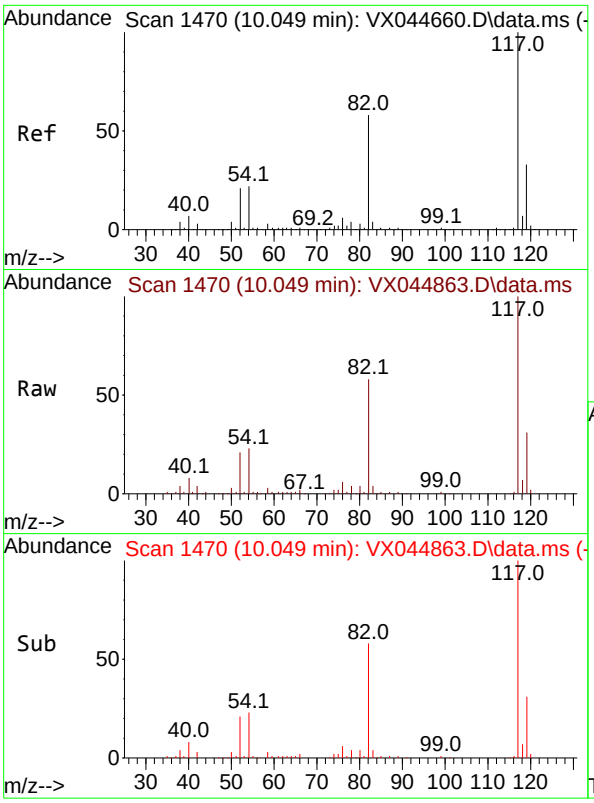


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044863.D
Acq: 07 Feb 2025 13:02

Tgt Ion:114 Resp: 105183

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.6	24.8
88	15.8	13.4	20.2



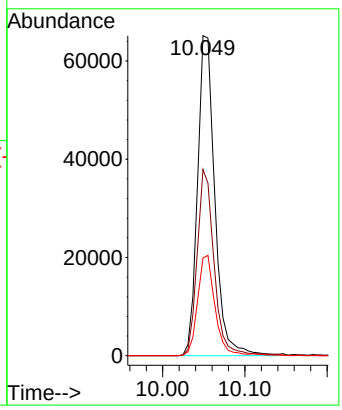


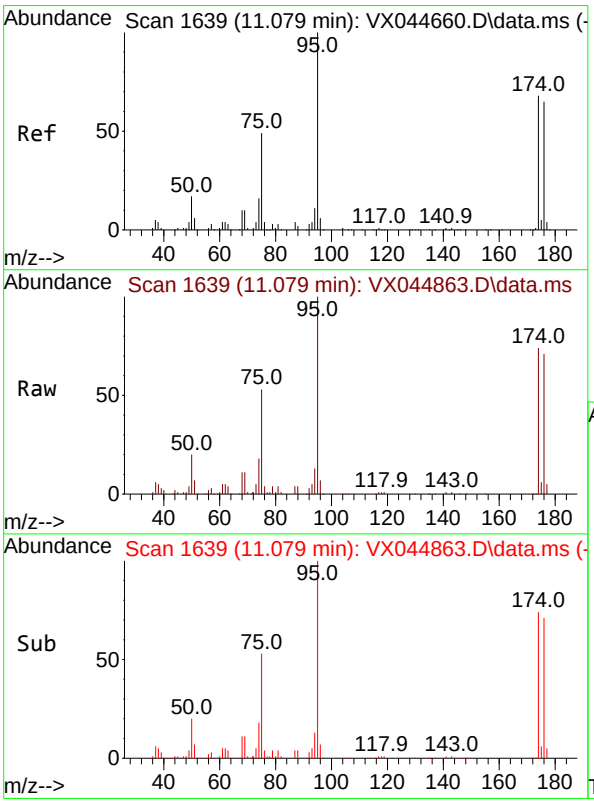
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044863.D
Acq: 07 Feb 2025 13:02

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

Tgt Ion:117 Resp: 95504

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.8	68.6
119	31.2	25.8	38.6

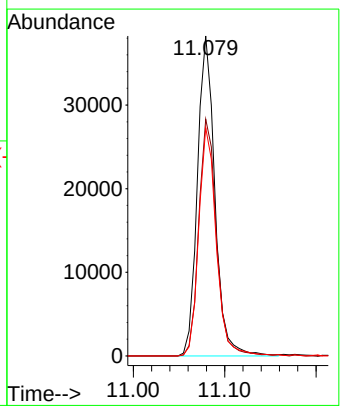


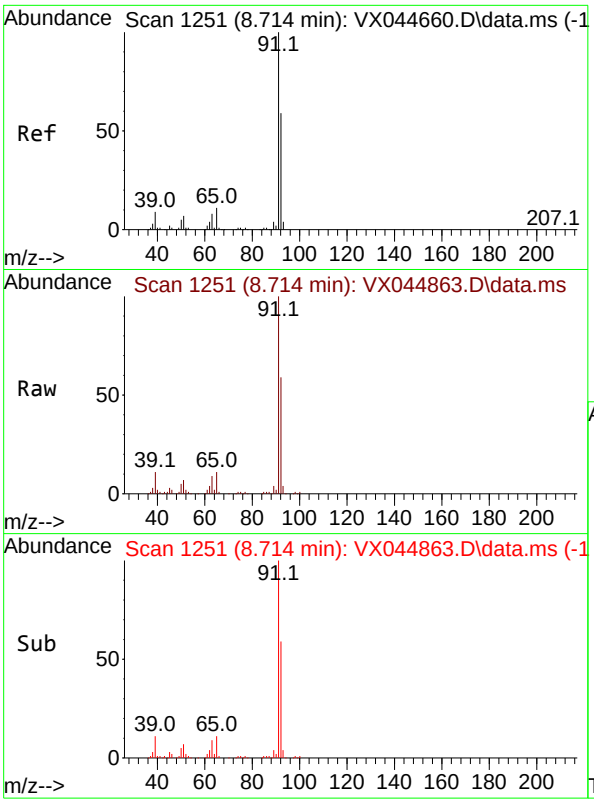


#60
4-Bromofluorobenzene
Concen: 27.466 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044863.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 95 Resp: 50950

Ion	Ratio	Lower	Upper
95	100		
174	74.5	54.6	81.8
176	71.5	52.8	79.2



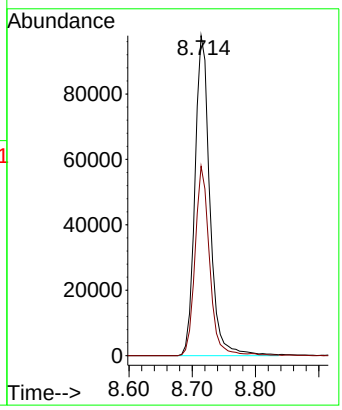


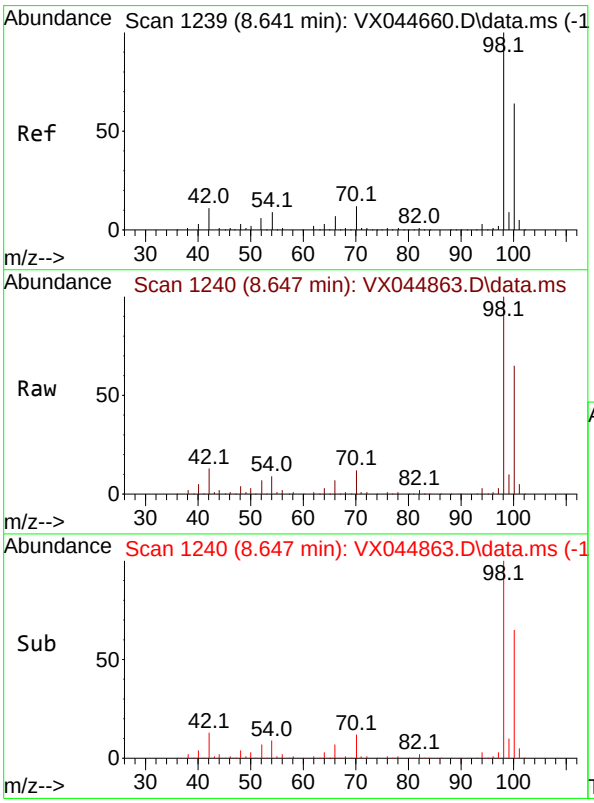
#62
Toluene
Concen: 25.614 ug/l
RT: 8.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044863.D
Acq: 07 Feb 2025 13:02

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

Tgt Ion: 91 Resp: 161074

Ion	Ratio	Lower	Upper
91	100		
92	57.1	47.3	70.9

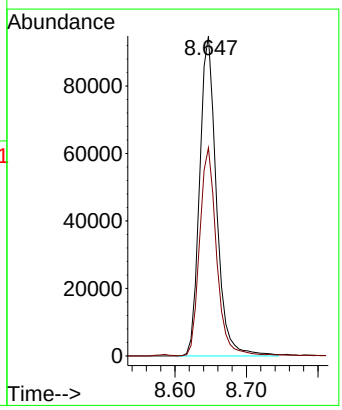


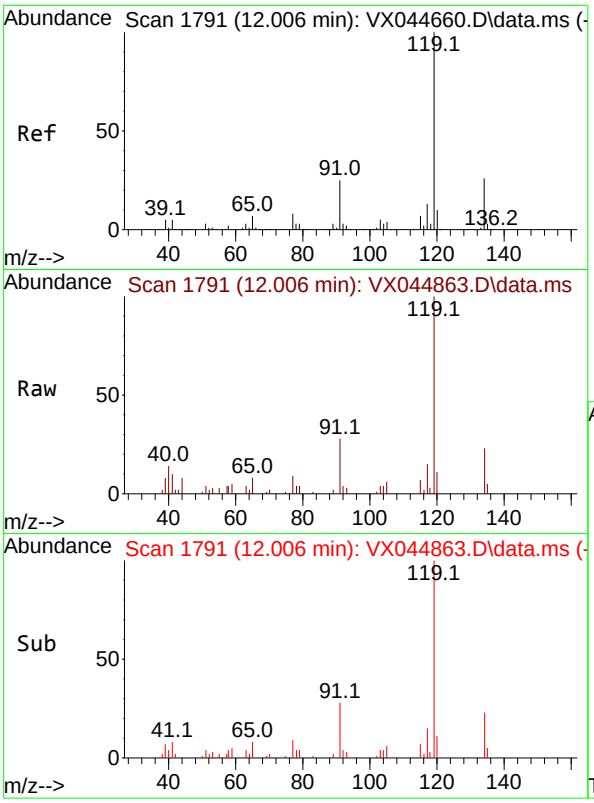


#63
Toluene-d8
Concen: 29.811 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044863.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 98 Resp: 154849

Ion	Ratio	Lower	Upper
98	100		
100	64.6	53.6	80.4



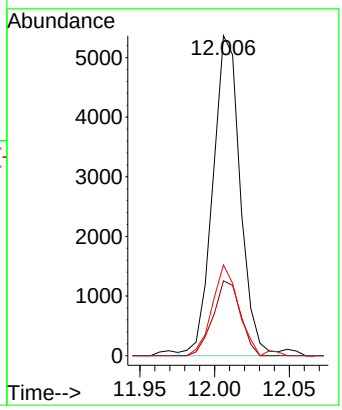


#82
p-Isopropyltoluene
Concen: 1.309 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044863.D
Acq: 07 Feb 2025 13:02

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

Tgt Ion:119 Resp: 6832

Ion	Ratio	Lower	Upper
119	100		
134	23.3	0.0	52.2
91	27.0	0.0	50.2



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: Q1316 SAS No.: Q1316 SDG No.: Q1316

Instrument ID: MSVOA_X Calibration Date(s): 01/16/2025 01/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 08:39 10:12

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

LAB FILE ID: RRF005 = VX044659.D RRF020 = VX044660.D RRF050 = VX044661.D
RRF100 = VX044662.D RRF150 = VX044663.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Benzene	1.720	1.726	1.635	1.681	1.562		1.665	4.1
Toluene	2.097	1.972	1.935	2.023	1.850		1.975	4.7
Ethyl Benzene	2.213	2.181	2.126	2.228	2.031		2.156	3.7
m/p-Xylenes	0.838	0.817	0.780	0.808	0.719		0.792	5.8
o-Xylene	0.841	0.823	0.787	0.800	0.726		0.795	5.5
1,2-Dichloroethane-d4	2.935	2.867	2.905	2.916	2.857		2.896	1.1
Toluene-d8	1.674	1.620	1.622	1.634	1.609		1.632	1.5
4-Bromofluorobenzene	0.579	0.578	0.588	0.586	0.582		0.583	0.7

* 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 : 624X011625W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Jan 17 01:21:41 2025
Response Via : Initial Calibration

Calibration Files
5 =VX044659.D 20 =VX044660.D 50 =VX044661.D 100 =VX044662.D 150 =VX044663.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	2.532	2.647	2.555	2.990	2.611	2.667	6.98
3)	M	Chloromethane	2.821	2.891	2.775	2.910	2.632	2.806	3.97
4)	M	Vinyl Chloride	2.718	2.750	2.650	2.953	2.656	2.745	4.49
5)	M	Bromomethane	0.720	0.648	0.619	0.683	0.647	0.663	5.89
6)	M	Chloroethane	0.337	0.431	0.443	0.506	0.459	0.435	14.18
7)	M	Trichlorofluorom...	3.012	2.966	2.841	3.281	2.932	3.006	5.52
8)	T	Diethyl Ether	1.186	1.152	1.114	1.214	1.133	1.160	3.48
9)		1,1,2-Trichlorot...	2.135	2.090	2.010	2.424	2.111	2.154	7.34
10)	M	1,1-Dichloroethene	2.310	2.167	2.109	2.359	2.134	2.216	5.05
11)		Methyl Iodide	3.030	3.123	3.066	3.170	2.965	3.071	2.60
12)		Methyl Acetate	3.129	3.141	3.211	3.540	3.155	3.235	5.35
13)	M	Acrolein	0.481	0.295	0.325	0.353	0.335	0.358	20.13
14)	M	Acrylonitrile	1.225	1.195	1.163	1.234	1.078	1.179	5.35
15)	M	Acetone	0.336	0.311	0.307	0.335	0.292	0.316	6.01
16)	M	Carbon Disulfide	6.007	6.100	6.013	6.600	6.072	6.158	4.06
17)		Allyl chloride	3.852	4.047	3.933	4.277	3.871	3.996	4.37
18)	M	Methylene Chloride	2.516	2.531	2.426	2.551	2.375	2.480	3.05
19)	M	trans-1,2-Dichlo...	2.273	2.202	2.143	2.306	2.094	2.203	4.00
20)	T	Diisopropyl ether	7.531	7.477	7.136	7.411	6.711	7.253	4.68
21)	M	1,1-Dichloroethane	4.238	4.335	4.228	4.546	4.166	4.303	3.46
22)	M	cis-1,2-Dichloro...	2.682	2.813	2.656	2.863	2.622	2.727	3.84
23)	M	tert-Butyl Alcohol	0.665	0.584	0.542	0.568	0.492	0.570	11.14
24)	M	Methyl tert-Buty...	7.881	7.826	7.445	7.974	7.263	7.678	4.00
25)	M	Chloroform	4.285	4.354	4.180	4.469	4.089	4.275	3.46
26)		Cyclohexane	3.790	3.587	3.386	3.928	3.390	3.616	6.66
27)	s	1,2-Dichloroetha...	2.935	2.867	2.905	2.916	2.857	2.896	1.14
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.533	0.520	0.505	0.550	0.501	0.522	3.88
30)	M	2-Butanone	0.302	0.295	0.285	0.292	0.260	0.287	5.57
31)		2,2-Dichloropropane	0.766	0.729	0.693	0.741	0.681	0.722	4.84
32)	M	1,1,1-Trichloroe...	0.729	0.702	0.665	0.708	0.654	0.692	4.54
33)	M	Carbon Tetrachlo...	0.616	0.587	0.558	0.605	0.551	0.583	4.83
34)	M	Benzene	1.720	1.726	1.635	1.681	1.562	1.665	4.09
35)		Methacrylonitrile	0.329	0.324	0.317	0.333	0.299	0.320	4.15
36)	M	1,2-Dichloroethane	0.610	0.616	0.579	0.607	0.563	0.595	3.81
37)	M	Trichloroethene	0.394	0.405	0.394	0.424	0.393	0.402	3.29
38)		Methylcyclohexane	0.728	0.692	0.669	0.776	0.680	0.709	6.16
39)	M	1,2-Dichloropropane	0.416	0.428	0.415	0.423	0.394	0.415	3.17
40)		Dibromomethane	0.319	0.314	0.302	0.313	0.295	0.309	3.22
41)	M	Bromodichloromet...	0.667	0.655	0.628	0.638	0.598	0.637	4.14
42)	M	Vinyl Acetate	1.208	1.187	1.120	1.142	1.035	1.138	5.94
43)		Ethyl Acetate	0.539	0.592	0.552	0.593	0.535	0.562	5.11
44)		Isopropyl Acetate	1.016	1.043	1.000	1.033	0.959	1.010	3.26
45)	T	1,4-Dioxane	0.011	0.010	0.010	0.009	0.008	0.010	9.48
46)		Methyl methacrylate	0.506	0.509	0.495	0.501	0.462	0.494	3.83
47)		n-amyl Acetate	0.883	0.902	0.847	0.840	0.767	0.848	6.11
48)	M	t-1,3-Dichloropr...	0.673	0.696	0.675	0.685	0.635	0.673	3.38
49)	T	cis-1,3-Dichloro...	0.737	0.748	0.719	0.731	0.671	0.721	4.16
50)	M	1,1,2-Trichloroe...	0.425	0.419	0.398	0.391	0.355	0.397	6.96
51)		Ethyl methacrylate	0.711	0.720	0.704	0.688	0.630	0.691	5.22
52)		1,3-Dichloropropane	0.737	0.718	0.678	0.680	0.624	0.687	6.35
53)	M	Dibromochloromet...	0.507	0.503	0.469	0.468	0.428	0.475	6.76
54)	M	1,2-Dibromoethane	0.449	0.440	0.417	0.414	0.380	0.420	6.44
55)	M	2-Chloroethyl vi...	0.376	0.351	0.338	0.309	0.302	0.335	9.10
56)	M	Bromoform	0.340	0.324	0.314	0.310	0.287	0.315	6.19

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 624X011625W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.685	0.649	0.618	0.638	0.572	0.632	6.60
59)	M	2-Hexanone	0.503	0.474	0.451	0.470	0.417	0.463	6.86
60)	S	4-Bromofluoroben...	0.579	0.578	0.588	0.586	0.582	0.583	0.75
61)	M	Tetrachloroethene	0.365	0.350	0.349	0.387	0.348	0.360	4.71
62)	M	Toluene	2.097	1.972	1.935	2.023	1.850	1.975	4.69
63)	S	Toluene-d8	1.674	1.620	1.622	1.634	1.609	1.632	1.53
64)	M	Chlorobenzene	1.275	1.230	1.215	1.256	1.157	1.227	3.70
65)		1,1,1,2-Tetrachl...	0.460	0.445	0.433	0.449	0.417	0.441	3.68
66)	M	Ethyl Benzene	2.213	2.181	2.126	2.228	2.031	2.156	3.71
67)	M	m/p-Xylenes	0.838	0.817	0.780	0.808	0.719	0.792	5.82
68)	M	o-Xylene	0.841	0.823	0.787	0.800	0.726	0.795	5.53
69)	M	Styrene	1.363	1.358	1.291	1.322	1.196	1.306	5.19
70)		Isopropylbenzene	2.139	2.047	1.942	2.041	1.828	1.999	5.92
71)	M	1,1,2,2-Tetrachl...	0.749	0.684	0.650	0.671	0.607	0.672	7.74
72)		1,2,3-Trichlorop...	0.594	0.582	0.560	0.574	0.518	0.565	5.19
73)		Bromobenzene	0.488	0.476	0.458	0.470	0.437	0.466	4.16
74)		n-propylbenzene	2.310	2.311	2.237	2.371	2.126	2.271	4.13
75)		2-Chlorotoluene	1.514	1.469	1.400	1.437	1.318	1.428	5.22
76)		1,3,5-Trimethylb...	1.743	1.677	1.602	1.640	1.457	1.624	6.59
77)		t-1,4-Dichloro-2...	0.283	0.267	0.259	0.278	0.251	0.268	4.92
78)		4-Chlorotoluene	1.655	1.609	1.552	1.602	1.448	1.573	5.03
79)		tert-butylbenzene	1.815	1.730	1.625	1.675	1.496	1.668	7.17
80)		1,2,4-Trimethylb...	1.748	1.689	1.602	1.660	1.492	1.638	5.93
81)		sec-Butylbenzene	2.100	2.035	1.947	2.048	1.830	1.992	5.33
82)		p-Isopropyltoluene	1.701	1.683	1.602	1.690	1.520	1.639	4.71
83)	M	1,3-Dichlorobenzene	0.829	0.841	0.819	0.858	0.789	0.827	3.13
84)	M	1,4-Dichlorobenzene	0.809	0.833	0.797	0.841	0.775	0.811	3.30
85)		n-Butylbenzene	1.363	1.419	1.407	1.536	1.379	1.421	4.80
86)	T	Hexachloroethane	0.395	0.360	0.346	0.367	0.335	0.361	6.39
87)	M	1,2-Dichlorobenzene	0.873	0.852	0.816	0.836	0.754	0.826	5.51
88)		1,2-Dibromo-3-Ch...	0.185	0.159	0.153	0.163	0.150	0.162	8.44
89)		1,2,4-Trichlorob...	0.477	0.496	0.506	0.562	0.526	0.513	6.33
90)		Hexachlorobutadiene	0.202	0.199	0.190	0.207	0.194	0.199	3.36
91)	M	Naphthalene	1.885	1.938	1.905	2.019	1.857	1.921	3.24
92)		1,2,3-Trichlorob...	0.492	0.526	0.518	0.554	0.522	0.522	4.29

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044659.D
Acq On : 16 Jan 2025 08:39
Operator :
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 00:59:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	31935	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	175523	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	154224	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	93745	30.407	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.367%			
60) 4-Bromofluorobenzene	11.079	95	89238	29.790	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.300%			
63) Toluene-d8	8.641	98	258118	30.772	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.567%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	13478m	5.255	ug/l	
3) Chloromethane	1.294	50	15014	5.027	ug/l	99
4) Vinyl Chloride	1.374	62	14464	4.949	ug/l	93
5) Bromomethane	1.593	94	3833	5.432	ug/l	97
6) Chloroethane	1.660	64	1795	3.804	ug/l	91
7) Trichlorofluoromethane	1.867	101	16029	5.008	ug/l	96
8) Diethyl Ether	2.130	74	6314	5.114	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	11362	4.955	ug/l	99
10) 1,1-Dichloroethene	2.306	96	12297	5.213	ug/l	93
11) Methyl Iodide	2.441	142	16127	4.934	ug/l	98
12) Methyl Acetate	2.703	43	16652	4.835	ug/l	100
13) Acrolein	2.233	56	12799	33.611	ug/l	99
14) Acrylonitrile	3.062	53	32592	25.973	ug/l	99
15) Acetone	2.386	58	8941	26.553	ug/l	95
16) Carbon Disulfide	2.501	76	31970	4.877	ug/l	98
17) Allyl chloride	2.654	41	20504	4.820	ug/l	99
18) Methylene Chloride	2.782	84	13392	5.071	ug/l	88
19) trans-1,2-Dichloroethene	3.081	96	12096	5.157	ug/l	90
20) Diisopropyl ether	3.757	45	40086	5.192	ug/l #	86
21) 1,1-Dichloroethane	3.599	63	22559	4.925	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	14274	4.917	ug/l	94
23) tert-Butyl Alcohol	2.977	59	17704m	32.520	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	41947	5.132	ug/l	100
25) Chloroform	5.080	83	22809	5.012	ug/l	98
26) Cyclohexane	5.452	56	20174	5.241	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	15595	5.108	ug/l	96
30) 2-Butanone	4.562	43	44109	26.301	ug/l	99
31) 2,2-Dichloropropane	4.458	77	22402m	5.303	ug/l	
32) 1,1,1-Trichloroethane	5.373	97	21324	5.270	ug/l	100
33) Carbon Tetrachloride	5.659	117	18012	5.277	ug/l	94
34) Benzene	6.025	78	50311	5.165	ug/l	100
35) Methacrylonitrile	4.922	41	9621	5.133	ug/l	96
36) 1,2-Dichloroethane	6.080	62	17847	5.125	ug/l #	92
37) Trichloroethene	7.116	130	11515	4.896	ug/l	98
38) Methylcyclohexane	7.366	83	21311	5.138	ug/l	99
39) 1,2-Dichloropropane	7.421	63	12181	5.015	ug/l	93
40) Dibromomethane	7.574	93	9326	5.165	ug/l	96
41) Bromodichloromethane	7.818	83	19506	5.231	ug/l	97
42) Vinyl Acetate	3.715	43	176672	26.526	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044659.D
Acq On : 16 Jan 2025 08:39
Operator :
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 17 00:59:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	4.714	43	15761	4.791 ug/l #	95
44) Isopropyl Acetate	6.342	43	29728	5.030 ug/l	99
45) 1,4-Dioxane	7.671	88	6188	109.953 ug/l	98
46) Methyl methacrylate	7.696	41	14808	5.119 ug/l	91
47) n-amyl Acetate	10.841	43	25825	5.207 ug/l	100
48) t-1,3-Dichloropropene	8.976	75	19698	5.005 ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	21573	5.112 ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	12425	5.334 ug/l	95
51) Ethyl methacrylate	9.116	69	20798	5.148 ug/l	95
52) 1,3-Dichloropropane	9.305	76	21568	5.362 ug/l	99
53) Dibromochloromethane	9.518	129	14835	5.338 ug/l	97
54) 1,2-Dibromoethane	9.610	107	13144	5.346 ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	55031	28.109 ug/l	100
56) Bromoform	10.799	173	9949	5.399 ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	88064	27.090 ug/l	100
59) 2-Hexanone	9.433	43	64656	27.167 ug/l	99
61) Tetrachloroethene	9.269	164	9388	5.075 ug/l	94
62) Toluene	8.714	91	53894	5.307 ug/l	97
64) Chlorobenzene	10.073	112	32777	5.197 ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	11815	5.215 ug/l	97
66) Ethyl Benzene	10.189	91	56887	5.133 ug/l	99
67) m/p-Xylenes	10.299	106	43104	10.581 ug/l	99
68) o-Xylene	10.640	106	21611	5.286 ug/l	99
69) Styrene	10.652	104	35022	5.217 ug/l	99
70) Isopropylbenzene	10.957	105	54978	5.349 ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.207	83	19252	5.562 ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	15260m	5.249 ug/l	
73) Bromobenzene	11.195	156	12540	5.237 ug/l	98
74) n-propylbenzene	11.299	91	59373	5.082 ug/l	99
75) 2-Chlorotoluene	11.360	91	38923	5.300 ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	44812	5.369 ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	7275	5.290 ug/l	95
78) 4-Chlorotoluene	11.451	91	42547	5.261 ug/l	100
79) tert-butylbenzene	11.713	119	46656	5.441 ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	44923	5.334 ug/l	99
81) sec-Butylbenzene	11.890	105	53980	5.272 ug/l	98
82) p-Isopropyltoluene	12.006	119	43716	5.187 ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	21317	5.012 ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	20782	4.984 ug/l	100
85) n-Butylbenzene	12.329	91	35040	4.797 ug/l	99
86) Hexachloroethane	12.536	117	10162	5.481 ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	22448	5.286 ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	4748	5.705 ug/l	95
89) 1,2,4-Trichlorobenzene	13.585	180	12251	4.642 ug/l	99
90) Hexachlorobutadiene	13.719	225	5203	5.096 ug/l	98
91) Naphthalene	13.774	128	48452	4.907 ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	12639	4.708 ug/l	98

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

ICAL Form

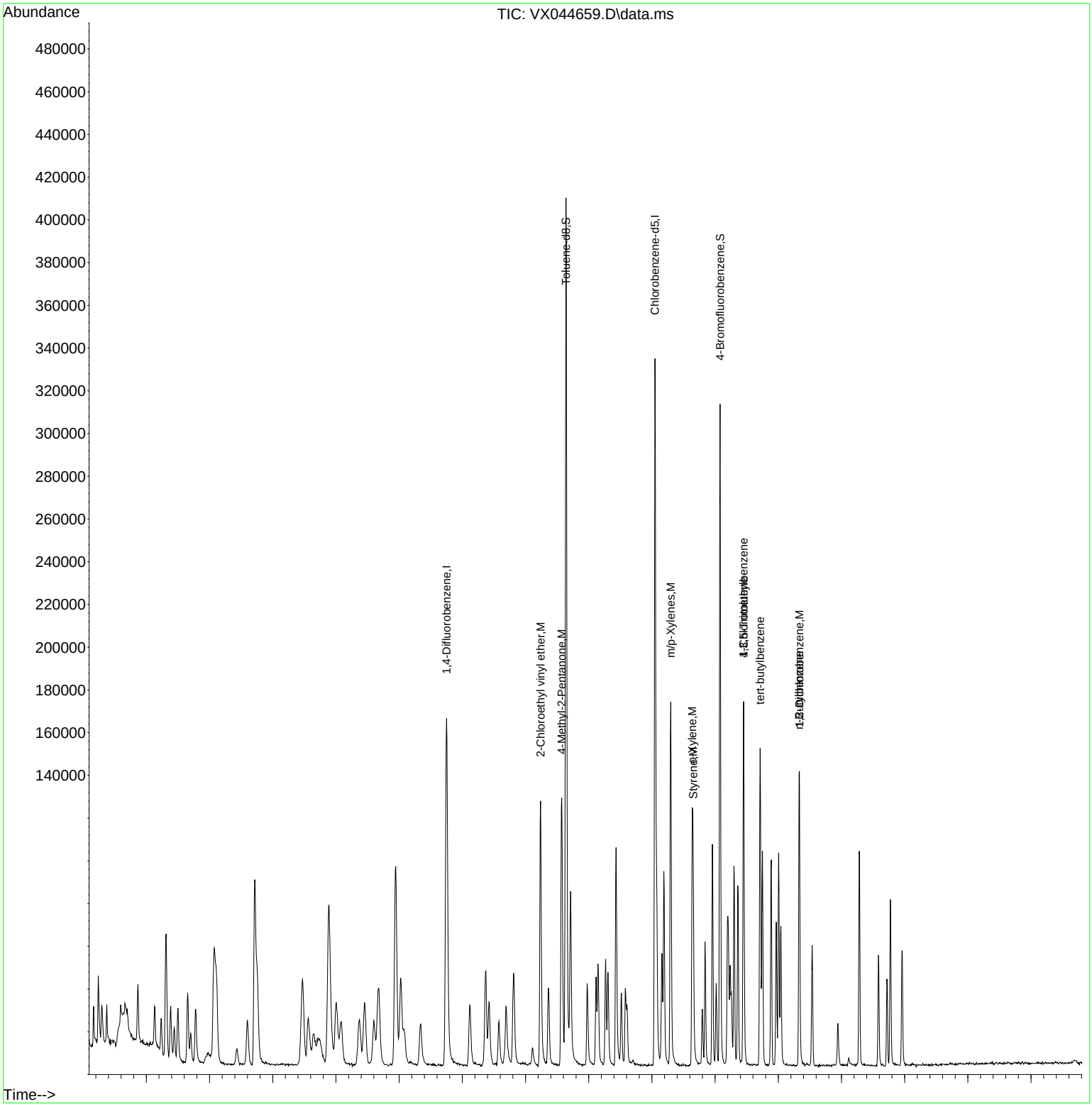
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044659.D
Acq On : 16 Jan 2025 08:39
Operator :
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 17 00:59:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044660.D
Acq On : 16 Jan 2025 09:02
Operator :
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:00:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	33434	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	183316	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	165841	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	95855	29.698	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.000%			
60) 4-Bromofluorobenzene	11.079	95	95915	29.776	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.267%			
63) Toluene-d8	8.641	98	268606	29.779	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.267%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	59011	21.978	ug/l	100
3) Chloromethane	1.301	50	64444	20.609	ug/l	100
4) Vinyl Chloride	1.374	62	61288	20.032	ug/l	100
5) Bromomethane	1.593	94	14449	19.557	ug/l	100
6) Chloroethane	1.666	64	9612	19.455	ug/l	100
7) Trichlorofluoromethane	1.867	101	66116	19.733	ug/l	100
8) Diethyl Ether	2.136	74	25682	19.869	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	46585	19.407	ug/l	100
10) 1,1-Dichloroethene	2.313	96	48300	19.557	ug/l	100
11) Methyl Iodide	2.447	142	69610	20.341	ug/l	100
12) Methyl Acetate	2.703	43	70020	19.421	ug/l	100
13) Acrolein	2.239	56	32834	82.358	ug/l	100
14) Acrylonitrile	3.062	53	133148	101.348	ug/l	100
15) Acetone	2.386	58	34632	98.240	ug/l	100
16) Carbon Disulfide	2.502	76	135960	19.810	ug/l	100
17) Allyl chloride	2.654	41	90204	20.254	ug/l	100
18) Methylene Chloride	2.782	84	56413	20.405	ug/l	100
19) trans-1,2-Dichloroethene	3.081	96	49084	19.989	ug/l	100
20) Diisopropyl ether	3.757	45	166654	20.616	ug/l	100
21) 1,1-Dichloroethane	3.605	63	96629	20.151	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	62694	20.628	ug/l	100
23) tert-Butyl Alcohol	2.977	59	65050m	114.131	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	174439	20.386	ug/l	100
25) Chloroform	5.086	83	97039	20.366	ug/l	100
26) Cyclohexane	5.458	56	79956	19.839	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	63605	19.948	ug/l	100
30) 2-Butanone	4.556	43	180079	102.811	ug/l	100
31) 2,2-Dichloropropane	4.471	77	89122	20.198	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	85820	20.310	ug/l	100
33) Carbon Tetrachloride	5.666	117	71722	20.121	ug/l	100
34) Benzene	6.031	78	210959	20.737	ug/l	100
35) Methacrylonitrile	4.922	41	39575	20.216	ug/l	100
36) 1,2-Dichloroethane	6.080	62	75287	20.699	ug/l	100
37) Trichloroethene	7.123	130	49474	20.143	ug/l	100
38) Methylcyclohexane	7.373	83	84540	19.514	ug/l	100
39) 1,2-Dichloropropane	7.421	63	52299	20.616	ug/l	100
40) Dibromomethane	7.580	93	38410	20.366	ug/l	100
41) Bromodichloromethane	7.818	83	80017	20.548	ug/l	100
42) Vinyl Acetate	3.715	43	725170	104.251	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044660.D
Acq On : 16 Jan 2025 09:02
Operator :
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:00:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	4.715	43	72396m	21.071 ug/l	
44) Isopropyl Acetate	6.336	43	127474	20.652 ug/l	100
45) 1,4-Dioxane	7.677	88	25021	425.692 ug/l	100
46) Methyl methacrylate	7.690	41	62145	20.568 ug/l	100
47) n-amyl Acetate	10.841	43	110225	21.278 ug/l	100
48) t-1,3-Dichloropropene	8.976	75	85014	20.683 ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	91440	20.747 ug/l	100
50) 1,1,2-Trichloroethane	9.147	97	51190	21.040 ug/l	100
51) Ethyl methacrylate	9.116	69	88025	20.861 ug/l	100
52) 1,3-Dichloropropane	9.305	76	87800	20.900 ug/l	100
53) Dibromochloromethane	9.519	129	61431	21.165 ug/l	100
54) 1,2-Dibromoethane	9.604	107	53825	20.963 ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	214240	104.779 ug/l	100
56) Bromoform	10.799	173	39538	20.544 ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	358614	102.588 ug/l	100
59) 2-Hexanone	9.433	43	261785	102.292 ug/l	100
61) Tetrachloroethene	9.269	164	38724	19.466 ug/l	100
62) Toluene	8.714	91	218070	19.970 ug/l	100
64) Chlorobenzene	10.073	112	136037	20.059 ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	49228	20.207 ug/l	100
66) Ethyl Benzene	10.189	91	241177	20.238 ug/l	100
67) m/p-Xylenes	10.299	106	180626	41.233 ug/l	100
68) o-Xylene	10.640	106	90982	20.694 ug/l	100
69) Styrene	10.652	104	150095	20.793 ug/l	100
70) Isopropylbenzene	10.957	105	226317	20.476 ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	75650	20.326 ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	64385m	20.597 ug/l	
73) Bromobenzene	11.195	156	52618	20.435 ug/l	100
74) n-propylbenzene	11.299	91	255513	20.339 ug/l	100
75) 2-Chlorotoluene	11.360	91	162457	20.573 ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	185378	20.653 ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	29516	19.959 ug/l	100
78) 4-Chlorotoluene	11.451	91	177891	20.455 ug/l	100
79) tert-butylbenzene	11.713	119	191290	20.745 ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	186763	20.623 ug/l	100
81) sec-Butylbenzene	11.890	105	224992	20.434 ug/l	100
82) p-Isopropyltoluene	12.006	119	186107	20.537 ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	92976	20.330 ug/l	100
84) 1,4-Dichlorobenzene	12.036	146	92092	20.540 ug/l	100
85) n-Butylbenzene	12.329	91	156896	19.973 ug/l	100
86) Hexachloroethane	12.536	117	39754	19.941 ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	94144	20.614 ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	17538	19.597 ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	54885	19.338 ug/l	100
90) Hexachlorobutadiene	13.725	225	21996	20.036 ug/l	100
91) Naphthalene	13.774	128	214309	20.183 ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	58101	20.127 ug/l	100

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

ICAL Form

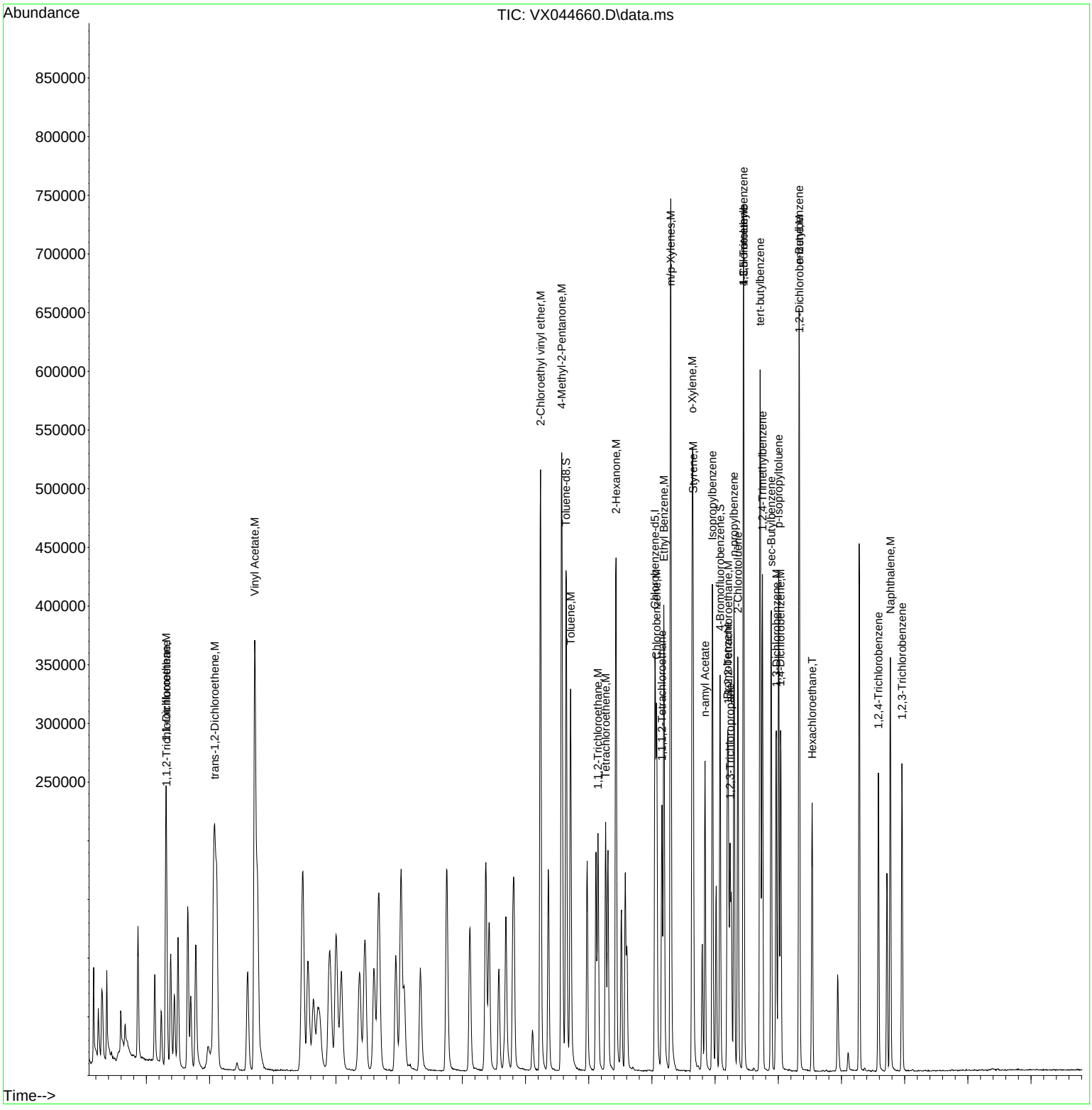
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044660.D
Acq On : 16 Jan 2025 09:02
Operator :
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 17 01:00:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044661.D
Acq On : 16 Jan 2025 09:25
Operator :
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:01:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	31946	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	176401	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	156058	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	92806	30.092	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.300%			
60) 4-Bromofluorobenzene	11.079	95	91788	30.281	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.933%			
63) Toluene-d8	8.647	98	253105	29.819	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	136053	53.031	ug/l	99
3) Chloromethane	1.294	50	147748	49.450	ug/l	98
4) Vinyl Chloride	1.374	62	141110	48.270	ug/l	98
5) Bromomethane	1.593	94	32943	46.667	ug/l	100
6) Chloroethane	1.660	64	23580	49.950	ug/l	98
7) Trichlorofluoromethane	1.867	101	151253	47.245	ug/l	100
8) Diethyl Ether	2.136	74	59325	48.034	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	106998	46.650	ug/l	99
10) 1,1-Dichloroethene	2.306	96	112301	47.590	ug/l	94
11) Methyl Iodide	2.441	142	163230	49.919	ug/l	98
12) Methyl Acetate	2.703	43	170946	49.623	ug/l	100
13) Acrolein	2.233	56	86575	227.272	ug/l	99
14) Acrylonitrile	3.062	53	309583	246.621	ug/l	100
15) Acetone	2.386	58	81812	242.884	ug/l	94
16) Carbon Disulfide	2.501	76	320132	48.818	ug/l	100
17) Allyl chloride	2.654	41	209402	49.209	ug/l	99
18) Methylene Chloride	2.782	84	129192	48.907	ug/l	99
19) trans-1,2-Dichloroethene	3.081	96	114074	48.618	ug/l	98
20) Diisopropyl ether	3.757	45	379943	49.191	ug/l	97
21) 1,1-Dichloroethane	3.605	63	225092	49.127	ug/l	97
22) cis-1,2-Dichloroethene	4.477	96	141413	48.695	ug/l	98
23) tert-Butyl Alcohol	2.977	59	144322m	265.008	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	396412	48.485	ug/l	99
25) Chloroform	5.086	83	222532	48.880	ug/l	96
26) Cyclohexane	5.458	56	180292	46.819	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	148511	48.402	ug/l	99
30) 2-Butanone	4.556	43	419491	248.886	ug/l	99
31) 2,2-Dichloropropane	4.465	77	203849	48.011	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	195383	48.051	ug/l	99
33) Carbon Tetrachloride	5.672	117	164089	47.839	ug/l	98
34) Benzene	6.031	78	480821	49.118	ug/l	99
35) Methacrylonitrile	4.916	41	93262	49.509	ug/l	98
36) 1,2-Dichloroethane	6.080	62	170346	48.671	ug/l	99
37) Trichloroethene	7.116	130	115805	48.998	ug/l	95
38) Methylcyclohexane	7.373	83	196645	47.170	ug/l	99
39) 1,2-Dichloropropane	7.427	63	121901	49.937	ug/l	97
40) Dibromomethane	7.574	93	88733	48.894	ug/l	99
41) Bromodichloromethane	7.818	83	184753	49.303	ug/l	99
42) Vinyl Acetate	3.715	43	1646712	246.012	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044661.D
Acq On : 16 Jan 2025 09:25
Operator :
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:01:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	4.708	43	162349	49.103 ug/l #	94
44) Isopropyl Acetate	6.336	43	293976	49.493 ug/l	98
45) 1,4-Dioxane	7.671	88	56732	1003.041 ug/l	98
46) Methyl methacrylate	7.690	41	145468	50.033 ug/l	99
47) n-amyl Acetate	10.841	43	248981	49.948 ug/l	99
48) t-1,3-Dichloropropene	8.976	75	198307	50.138 ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	211446	49.856 ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	117115	50.024 ug/l	97
51) Ethyl methacrylate	9.116	69	206891	50.954 ug/l	99
52) 1,3-Dichloropropane	9.305	76	199192	49.275 ug/l	98
53) Dibromochloromethane	9.518	129	137982	49.404 ug/l	98
54) 1,2-Dibromoethane	9.604	107	122664	49.646 ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	496129	252.154 ug/l	100
56) Bromoform	10.799	173	92355	49.868 ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	804113	244.450 ug/l	99
59) 2-Hexanone	9.433	43	586563	243.566 ug/l	99
61) Tetrachloroethene	9.269	164	90750	48.479 ug/l	98
62) Toluene	8.714	91	503289	48.978 ug/l	98
64) Chlorobenzene	10.073	112	316113	49.533 ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	112521	49.083 ug/l	99
66) Ethyl Benzene	10.189	91	552973	49.310 ug/l	99
67) m/p-Xylenes	10.299	106	405714	98.422 ug/l	99
68) o-Xylene	10.640	106	204604	49.454 ug/l	100
69) Styrene	10.652	104	335834	49.440 ug/l	100
70) Isopropylbenzene	10.957	105	505061	48.560 ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	168965	48.244 ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	145534m	49.476 ug/l	
73) Bromobenzene	11.195	156	119195	49.194 ug/l	99
74) n-propylbenzene	11.299	91	581862	49.219 ug/l	100
75) 2-Chlorotoluene	11.360	91	364136	49.004 ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	416769	49.342 ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	67311	48.369 ug/l	97
78) 4-Chlorotoluene	11.451	91	403646	49.323 ug/l	100
79) tert-butylbenzene	11.713	119	422625	48.705 ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	416772	48.906 ug/l	99
81) sec-Butylbenzene	11.890	105	506286	48.863 ug/l	100
82) p-Isopropyltoluene	12.006	119	416615	48.855 ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	213035	49.501 ug/l	100
84) 1,4-Dichlorobenzene	12.036	146	207367	49.151 ug/l	100
85) n-Butylbenzene	12.329	91	365981	49.510 ug/l	98
86) Hexachloroethane	12.536	117	89957	47.953 ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	212294	49.399 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	39899	47.378 ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	131622	49.284 ug/l	99
90) Hexachlorobutadiene	13.725	225	49464	47.882 ug/l	98
91) Naphthalene	13.774	128	495557	49.597 ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	134623	49.560 ug/l	99

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

ICAL Form

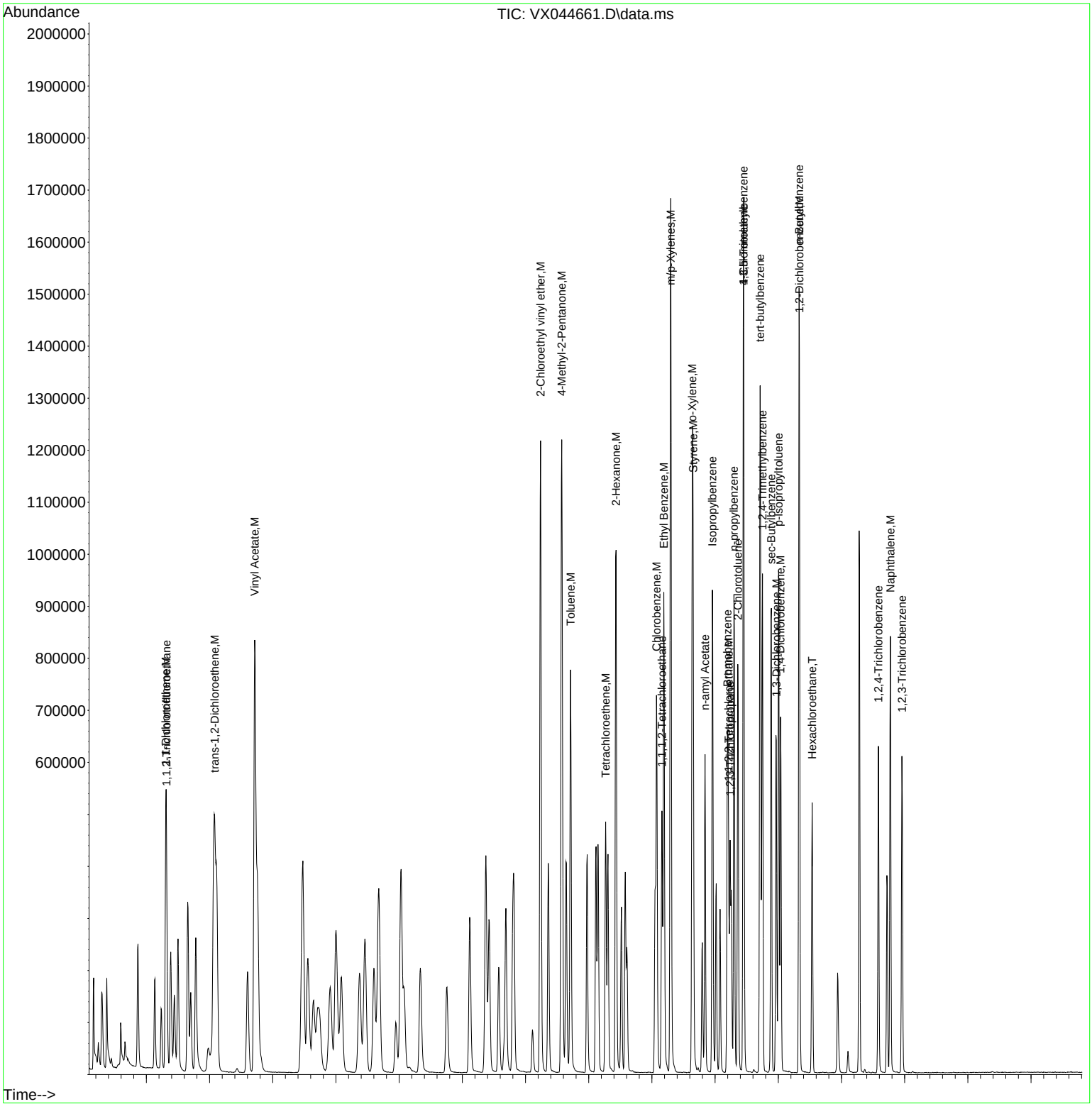
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044661.D
Acq On : 16 Jan 2025 09:25
Operator :
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 01:01:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044662.D
Acq On : 16 Jan 2025 09:49
Operator :
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:02:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	26822	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	152295	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	129735	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	78213	30.205	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.700%			
60) 4-Bromofluorobenzene	11.079	95	76025	30.170	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.567%			
63) Toluene-d8	8.647	98	211985	30.042	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.133%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	267360m	124.121	ug/l	
3) Chloromethane	1.294	50	260185	103.718	ug/l	100
4) Vinyl Chloride	1.374	62	264006	107.561	ug/l	97
5) Bromomethane	1.593	94	61090	103.072	ug/l	97
6) Chloroethane	1.660	64	45219	114.088	ug/l	95
7) Trichlorofluoromethane	1.861	101	293373	109.142	ug/l	98
8) Diethyl Ether	2.136	74	108527	104.658	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	216700	112.529	ug/l	98
10) 1,1-Dichloroethene	2.307	96	210933	106.464	ug/l	96
11) Methyl Iodide	2.441	142	283426	103.236	ug/l	98
12) Methyl Acetate	2.703	43	316480	109.420	ug/l	99
13) Acrolein	2.239	56	157728	493.161	ug/l	99
14) Acrylonitrile	3.062	53	551693	523.451	ug/l	100
15) Acetone	2.386	58	149940	530.181	ug/l	94
16) Carbon Disulfide	2.495	76	590082	107.175	ug/l	100
17) Allyl chloride	2.654	41	382410	107.032	ug/l	99
18) Methylene Chloride	2.782	84	228084	102.839	ug/l	98
19) trans-1,2-Dichloroethene	3.081	96	206160	104.651	ug/l	97
20) Diisopropyl ether	3.757	45	662597	102.175	ug/l	95
21) 1,1-Dichloroethane	3.599	63	406465	105.660	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	255966	104.980	ug/l	98
23) tert-Butyl Alcohol	3.044	59	253812m	555.091	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	712903	103.853	ug/l	99
25) Chloroform	5.086	83	399572	104.534	ug/l	96
26) Cyclohexane	5.458	56	351156	108.611	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	279081	105.354	ug/l	99
30) 2-Butanone	4.556	43	740025	508.557	ug/l	100
31) 2,2-Dichloropropane	4.465	77	376371	102.674	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	359473	102.399	ug/l	99
33) Carbon Tetrachloride	5.666	117	306978	103.662	ug/l	97
34) Benzene	6.025	78	853368	100.973	ug/l	99
35) Methacrylonitrile	4.916	41	168983	103.905	ug/l	98
36) 1,2-Dichloroethane	6.080	62	308254	102.014	ug/l	100
37) Trichloroethene	7.117	130	215237	105.483	ug/l	95
38) Methylcyclohexane	7.373	83	393920	109.448	ug/l	99
39) 1,2-Dichloropropane	7.421	63	214812	101.928	ug/l	98
40) Dibromomethane	7.574	93	159130	101.563	ug/l	99
41) Bromodichloromethane	7.818	83	324068	100.170	ug/l	98
42) Vinyl Acetate	3.715	43	2899515	501.741	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044662.D
Acq On : 16 Jan 2025 09:49
Operator :
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:02:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	4.708	43	301278	105.547 ug/l #	94
44) Isopropyl Acetate	6.336	43	524207	102.223 ug/l	99
45) 1,4-Dioxane	7.671	88	95678	1959.377 ug/l	96
46) Methyl methacrylate	7.690	41	254259	101.293 ug/l	99
47) n-amyl Acetate	10.842	43	426497	99.102 ug/l	99
48) t-1,3-Dichloropropene	8.976	75	347499	101.765 ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	370879	101.289 ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	198320	98.117 ug/l	99
51) Ethyl methacrylate	9.116	69	349309	99.647 ug/l	98
52) 1,3-Dichloropropane	9.305	76	345352	98.954 ug/l	99
53) Dibromochloromethane	9.519	129	237742	98.596 ug/l	98
54) 1,2-Dibromoethane	9.604	107	210275	98.575 ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	784090	461.586 ug/l	100
56) Bromoform	10.799	173	157528	98.522 ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	1379048	504.291 ug/l	99
59) 2-Hexanone	9.433	43	1016466	507.718 ug/l	99
61) Tetrachloroethene	9.269	164	167502	107.635 ug/l	98
62) Toluene	8.714	91	874711	102.394 ug/l	99
64) Chlorobenzene	10.073	112	543310	102.407 ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	193974	101.781 ug/l	100
66) Ethyl Benzene	10.189	91	963283	103.326 ug/l	98
67) m/p-Xylenes	10.299	106	698697	203.888 ug/l	99
68) o-Xylene	10.640	106	346159	100.645 ug/l	100
69) Styrene	10.653	104	571513	101.207 ug/l	99
70) Isopropylbenzene	10.957	105	882679	102.087 ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	290188	99.668 ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	248182m	101.490 ug/l	
73) Bromobenzene	11.195	156	203263	100.912 ug/l	98
74) n-propylbenzene	11.305	91	1025231	104.320 ug/l	100
75) 2-Chlorotoluene	11.360	91	621611	100.627 ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	709035	100.977 ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	120113	103.824 ug/l	98
78) 4-Chlorotoluene	11.451	91	692856	101.840 ug/l	99
79) tert-butylbenzene	11.713	119	724166	100.390 ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	717847	101.327 ug/l	99
81) sec-Butylbenzene	11.890	105	885682	102.823 ug/l	100
82) p-Isopropyltoluene	12.006	119	730972	103.112 ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	371118	103.731 ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	363763	103.715 ug/l	99
85) n-Butylbenzene	12.329	91	664449	108.125 ug/l	99
86) Hexachloroethane	12.536	117	158825	101.842 ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	361432	101.166 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	70386	100.538 ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	243086	109.487 ug/l	99
90) Hexachlorobutadiene	13.725	225	89590	104.321 ug/l	96
91) Naphthalene	13.774	128	872913	105.089 ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	239785	106.185 ug/l	99

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

ICAL Form

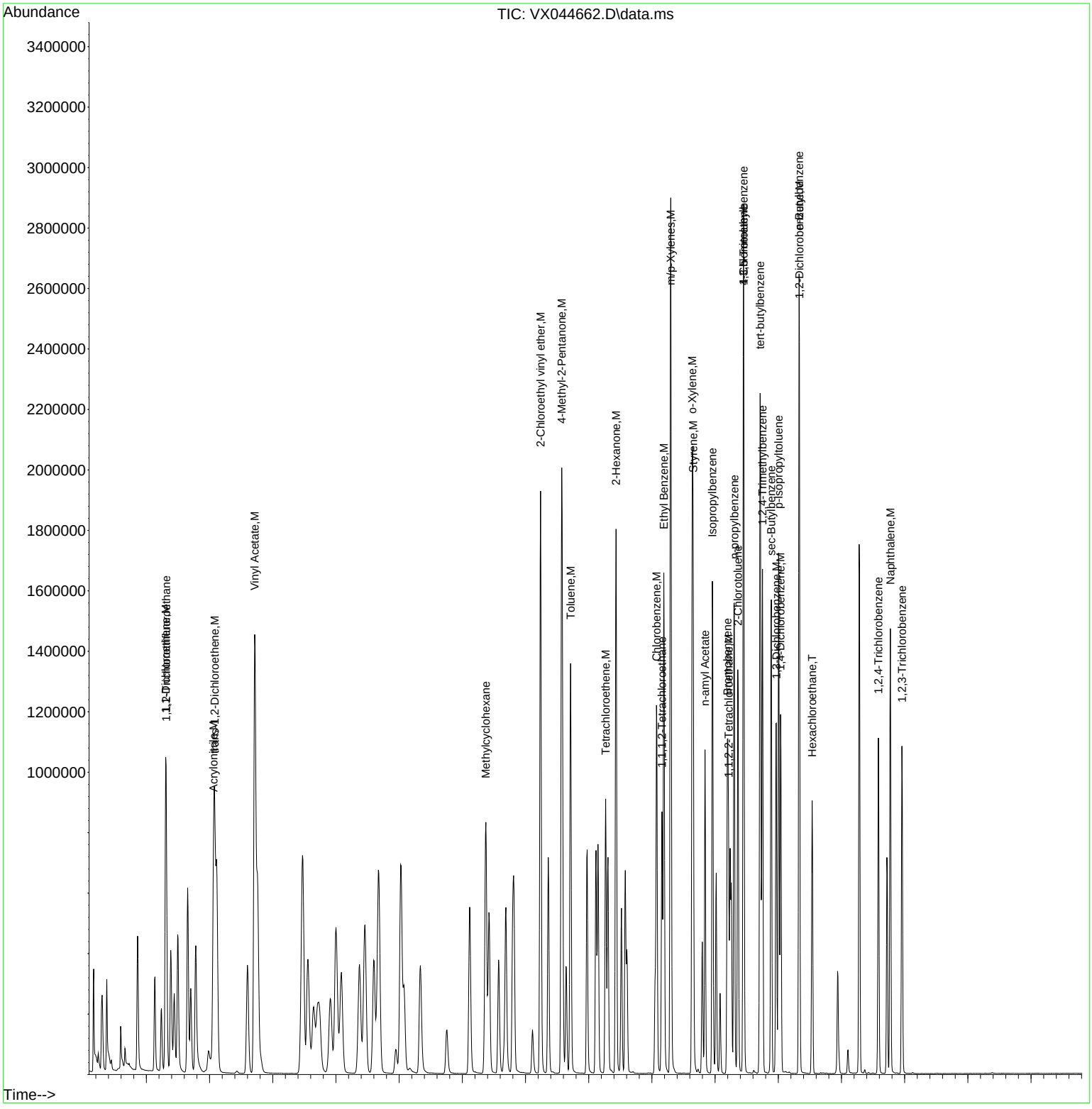
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044662.D
Acq On : 16 Jan 2025 09:49
Operator :
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 17 01:02:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044663.D
Acq On : 16 Jan 2025 10:12
Operator :
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:03:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	4.891	128	30265	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	6.757	114	168670	30.000	ug/l		0.00
57) Chlorobenzene-d5	10.049	117	142579	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	5.952	65	86477	29.598	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.667%				
60) 4-Bromofluorobenzene	11.079	95	83031	29.982	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.933%				
63) Toluene-d8	8.647	98	229453	29.588	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.633%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	395126	162.568	ug/l		98
3) Chloromethane	1.301	50	398267	140.701	ug/l		99
4) Vinyl Chloride	1.374	62	401934	145.127	ug/l		98
5) Bromomethane	1.593	94	97919	146.415	ug/l		99
6) Chloroethane	1.660	64	69505	155.413	ug/l		94
7) Trichlorofluoromethane	1.867	101	443749	146.306	ug/l		98
8) Diethyl Ether	2.136	74	171385	146.474	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.319	101	319509	147.041	ug/l		99
10) 1,1-Dichloroethene	2.306	96	322881	144.428	ug/l		93
11) Methyl Iodide	2.441	142	448651	144.827	ug/l		96
12) Methyl Acetate	2.703	43	477398	146.278	ug/l		100
13) Acrolein	2.239	56	253627	702.790	ug/l		98
14) Acrylonitrile	3.068	53	815430	685.671	ug/l		100
15) Acetone	2.386	58	221043	692.682	ug/l		91
16) Carbon Disulfide	2.502	76	918806	147.895	ug/l		100
17) Allyl chloride	2.654	41	585850	145.319	ug/l		99
18) Methylene Chloride	2.782	84	359344	143.590	ug/l		97
19) trans-1,2-Dichloroethene	3.081	96	316848	142.541	ug/l		98
20) Diisopropyl ether	3.764	45	1015552	138.787	ug/l	#	87
21) 1,1-Dichloroethane	3.599	63	630418	145.234	ug/l		98
22) cis-1,2-Dichloroethene	4.477	96	396803	144.228	ug/l		98
23) tert-Butyl Alcohol	3.044	59	372252m	721.506	ug/l		
24) Methyl tert-Butyl Ether	3.111	73	1099111	141.899	ug/l		98
25) Chloroform	5.086	83	618756	143.460	ug/l		97
26) Cyclohexane	5.458	56	512956	140.607	ug/l	#	99
29) 1,1-Dichloropropene	5.684	75	422203	143.910	ug/l		99
30) 2-Butanone	4.556	43	1096527	680.393	ug/l		100
31) 2,2-Dichloropropane	4.465	77	574023	141.392	ug/l		99
32) 1,1,1-Trichloroethane	5.373	97	551364	141.813	ug/l		98
33) Carbon Tetrachloride	5.666	117	464930	141.758	ug/l		99
34) Benzene	6.031	78	1317009	140.704	ug/l		99
35) Methacrylonitrile	4.922	41	252183	140.009	ug/l		97
36) 1,2-Dichloroethane	6.080	62	475153	141.982	ug/l		99
37) Trichloroethene	7.117	130	331784	146.814	ug/l		96
38) Methylcyclohexane	7.373	83	573341	143.834	ug/l		100
39) 1,2-Dichloropropane	7.421	63	331963	142.224	ug/l		99
40) Dibromomethane	7.574	93	248648	143.290	ug/l		99
41) Bromodichloromethane	7.818	83	504431	140.783	ug/l		99
42) Vinyl Acetate	3.721	43	4362962	681.685	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044663.D
Acq On : 16 Jan 2025 10:12
Operator :
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:03:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	4.708	43	450860	142.615 ug/l #	94
44) Isopropyl Acetate	6.336	43	808776	142.404 ug/l	99
45) 1,4-Dioxane	7.671	88	138476	2560.521 ug/l	97
46) Methyl methacrylate	7.690	41	389600	140.143 ug/l	98
47) n-amyl Acetate	10.841	43	646879	135.718 ug/l	99
48) t-1,3-Dichloropropene	8.976	75	535738	141.659 ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	565857	139.536 ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	299288	133.695 ug/l	99
51) Ethyl methacrylate	9.116	69	531002	136.772 ug/l	98
52) 1,3-Dichloropropane	9.305	76	526192	136.132 ug/l	99
53) Dibromochloromethane	9.519	129	360540	135.007 ug/l	97
54) 1,2-Dibromoethane	9.604	107	320334	135.590 ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	1273435	676.879 ug/l	99
56) Bromoform	10.799	173	241837	136.568 ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	2037971	678.112 ug/l	100
59) 2-Hexanone	9.433	43	1486312	675.525 ug/l	100
61) Tetrachloroethene	9.269	164	247777	144.876 ug/l	98
62) Toluene	8.714	91	1318975	140.491 ug/l	99
64) Chlorobenzene	10.073	112	824684	141.439 ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	297569	142.074 ug/l	99
66) Ethyl Benzene	10.189	91	1447790	141.307 ug/l	99
67) m/p-Xylenes	10.299	106	1025226	272.222 ug/l	100
68) o-Xylene	10.640	106	517475	136.901 ug/l	99
69) Styrene	10.653	104	852764	137.409 ug/l	98
70) Isopropylbenzene	10.957	105	1303283	137.153 ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	432603	135.197 ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	369195m	137.376 ug/l	
73) Bromobenzene	11.195	156	311401	140.672 ug/l	99
74) n-propylbenzene	11.305	91	1515701	140.333 ug/l	100
75) 2-Chlorotoluene	11.360	91	939369	138.367 ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	1038367	134.557 ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	178978	140.770 ug/l	98
78) 4-Chlorotoluene	11.451	91	1032107	138.039 ug/l	100
79) tert-butylbenzene	11.713	119	1066193	134.489 ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	1063526	136.597 ug/l	99
81) sec-Butylbenzene	11.890	105	1304251	137.776 ug/l	100
82) p-Isopropyltoluene	12.006	119	1083858	139.117 ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	562506	143.062 ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	552693	143.387 ug/l	100
85) n-Butylbenzene	12.329	91	983220	145.585 ug/l	99
86) Hexachloroethane	12.536	117	238874	139.374 ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	537434	136.879 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	106892	138.929 ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	374862	153.630 ug/l	100
90) Hexachlorobutadiene	13.725	225	138461	146.704 ug/l	98
91) Naphthalene	13.774	128	1323609	144.994 ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	371865	149.840 ug/l	99

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

Quantitation Report (QT Reviewed)

ICAL Form

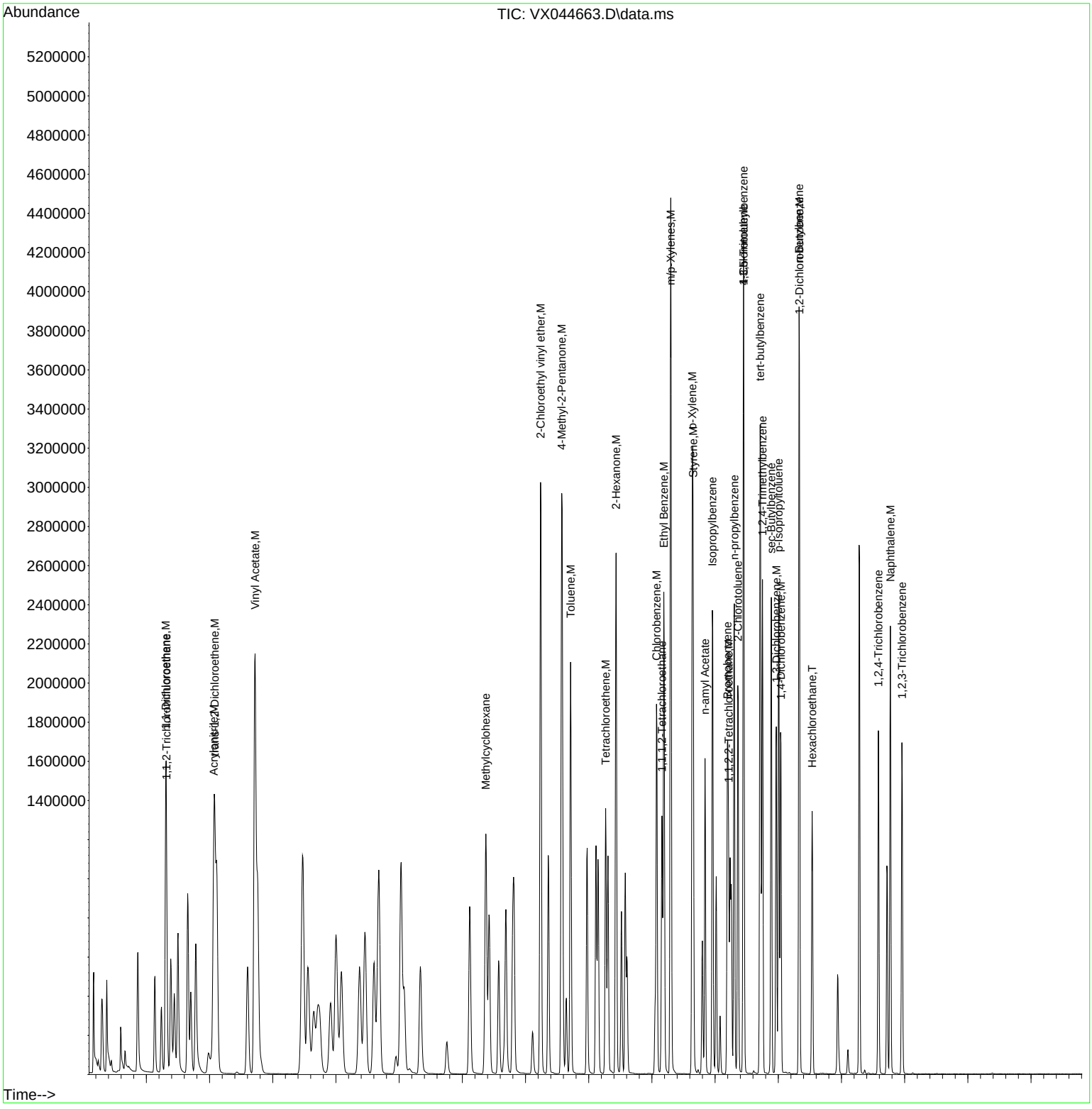
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044663.D
Acq On : 16 Jan 2025 10:12
Operator :
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 17 01:03:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044665.D
Acq On : 16 Jan 2025 11:45
Operator :
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.885	128	29298	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	160571	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	139330	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	84347	29.821	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.400%			
60) 4-Bromofluorobenzene	11.079	95	80701	29.820	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.400%			
63) Toluene-d8	8.641	98	232185	30.639	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.133%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	53424	20.509	ug/l	100
3) Chloromethane	1.295	50	52336	19.100	ug/l	98
4) Vinyl Chloride	1.374	62	54565	20.352	ug/l	96
5) Bromomethane	1.593	94	12546	19.362	ug/l	96
6) Chloroethane	1.660	64	8061	18.963	ug/l	90
7) Trichlorofluoromethane	1.868	101	62375	21.244	ug/l	98
8) Diethyl Ether	2.130	74	23504	20.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	45499	21.630	ug/l	97
10) 1,1-Dichloroethene	2.307	96	44362	20.500	ug/l	94
11) Methyl Iodide	2.441	142	59655	19.893	ug/l	99
12) Methyl Acetate	2.703	43	66878	21.168	ug/l	99
13) Acrolein	2.233	56	35040	100.289	ug/l	95
14) Acrylonitrile	3.063	53	122153	106.105	ug/l	99
15) Acetone	2.380	58	35259	114.138	ug/l	96
16) Carbon Disulfide	2.502	76	124187	20.650	ug/l	98
17) Allyl chloride	2.654	41	81222	20.812	ug/l	98
18) Methylene Chloride	2.782	84	47896	19.777	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	44022	20.458	ug/l	98
20) Diisopropyl ether	3.751	45	149298	21.077	ug/l	91
21) 1,1-Dichloroethane	3.599	63	86579	20.604	ug/l	97
22) cis-1,2-Dichloroethene	4.477	96	54227	20.361	ug/l	97
23) tert-Butyl Alcohol	2.977	59	58148m	104.428	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	154776	20.642	ug/l	100
25) Chloroform	5.087	83	85547	20.489	ug/l	100
26) Cyclohexane	5.452	56	75766	21.454	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	58948	21.106	ug/l	98
30) 2-Butanone	4.550	43	164211	107.032	ug/l	99
31) 2,2-Dichloropropane	4.459	77	80657	20.869	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	75959	20.522	ug/l	98
33) Carbon Tetrachloride	5.666	117	65248	20.898	ug/l	98
34) Benzene	6.025	78	186228	20.899	ug/l	99
35) Methacrylonitrile	4.916	41	35936	20.958	ug/l	97
36) 1,2-Dichloroethane	6.074	62	65234	20.476	ug/l	99
37) Trichloroethene	7.117	130	44428	20.651	ug/l	96
38) Methylcyclohexane	7.367	83	82917	21.851	ug/l	99
39) 1,2-Dichloropropane	7.421	63	46323	20.847	ug/l	99
40) Dibromomethane	7.574	93	33792	20.456	ug/l	98
41) Bromodichloromethane	7.812	83	69184	20.283	ug/l	99
42) Vinyl Acetate	3.715	43	653209	107.208	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044665.D
Acq On : 16 Jan 2025 11:45
Operator :
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	4.709	43	63189	20.996 ug/l #	94
44) Isopropyl Acetate	6.330	43	112593	20.825 ug/l	99
45) 1,4-Dioxane	7.665	88	20798	403.967 ug/l	98
46) Methyl methacrylate	7.690	41	52648	19.893 ug/l	97
47) n-amyl Acetate	10.842	43	94494	20.825 ug/l	100
48) t-1,3-Dichloropropene	8.976	75	72357	20.098 ug/l	97
49) cis-1,3-Dichloropropene	8.360	75	78714	20.389 ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	44166	20.759 ug/l	96
51) Ethyl methacrylate	9.116	69	75458	20.416 ug/l	99
52) 1,3-Dichloropropane	9.305	76	75839	20.610 ug/l	99
53) Dibromochloromethane	9.519	129	50936	20.035 ug/l	97
54) 1,2-Dibromoethane	9.604	107	46228	20.554 ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	186582	104.044 ug/l	99
56) Bromoform	10.799	173	33539	19.895 ug/l	99
58) 4-Methyl-2-Pentanone	8.568	43	319324	108.729 ug/l	100
59) 2-Hexanone	9.427	43	234903	109.252 ug/l	100
61) Tetrachloroethene	9.269	164	34875	20.867 ug/l	98
62) Toluene	8.714	91	189672	20.674 ug/l	98
64) Chlorobenzene	10.073	112	116597	20.464 ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	42670	20.848 ug/l	99
66) Ethyl Benzene	10.189	91	208544	20.829 ug/l	99
67) m/p-Xylenes	10.299	106	155664	42.296 ug/l	99
68) o-Xylene	10.640	106	78615	21.283 ug/l	98
69) Styrene	10.653	104	128207	21.140 ug/l	99
70) Isopropylbenzene	10.957	105	195561	21.060 ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	67246	21.542 ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	56182m	21.393 ug/l	
73) Bromobenzene	11.195	156	44149	20.409 ug/l	99
74) n-propylbenzene	11.299	91	222144	21.062 ug/l	100
75) 2-Chlorotoluene	11.360	91	141333	21.314 ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	158538	21.023 ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	25324	20.382 ug/l	100
78) 4-Chlorotoluene	11.451	91	151852	20.783 ug/l	99
79) tert-butylbenzene	11.713	119	164869	21.282 ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	159250	20.931 ug/l	99
81) sec-Butylbenzene	11.890	105	198156	21.421 ug/l	99
82) p-Isopropyltoluene	12.006	119	159684	20.974 ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	79203	20.613 ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	78388	20.811 ug/l	99
85) n-Butylbenzene	12.329	91	137083	20.771 ug/l	99
86) Hexachloroethane	12.536	117	34558	20.633 ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	81365	21.206 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	15325	20.383 ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	47882	20.081 ug/l	99
90) Hexachlorobutadiene	13.725	225	18952	20.548 ug/l	97
91) Naphthalene	13.774	128	188608	21.143 ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	48948	20.183 ug/l	100

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

ICAL Form

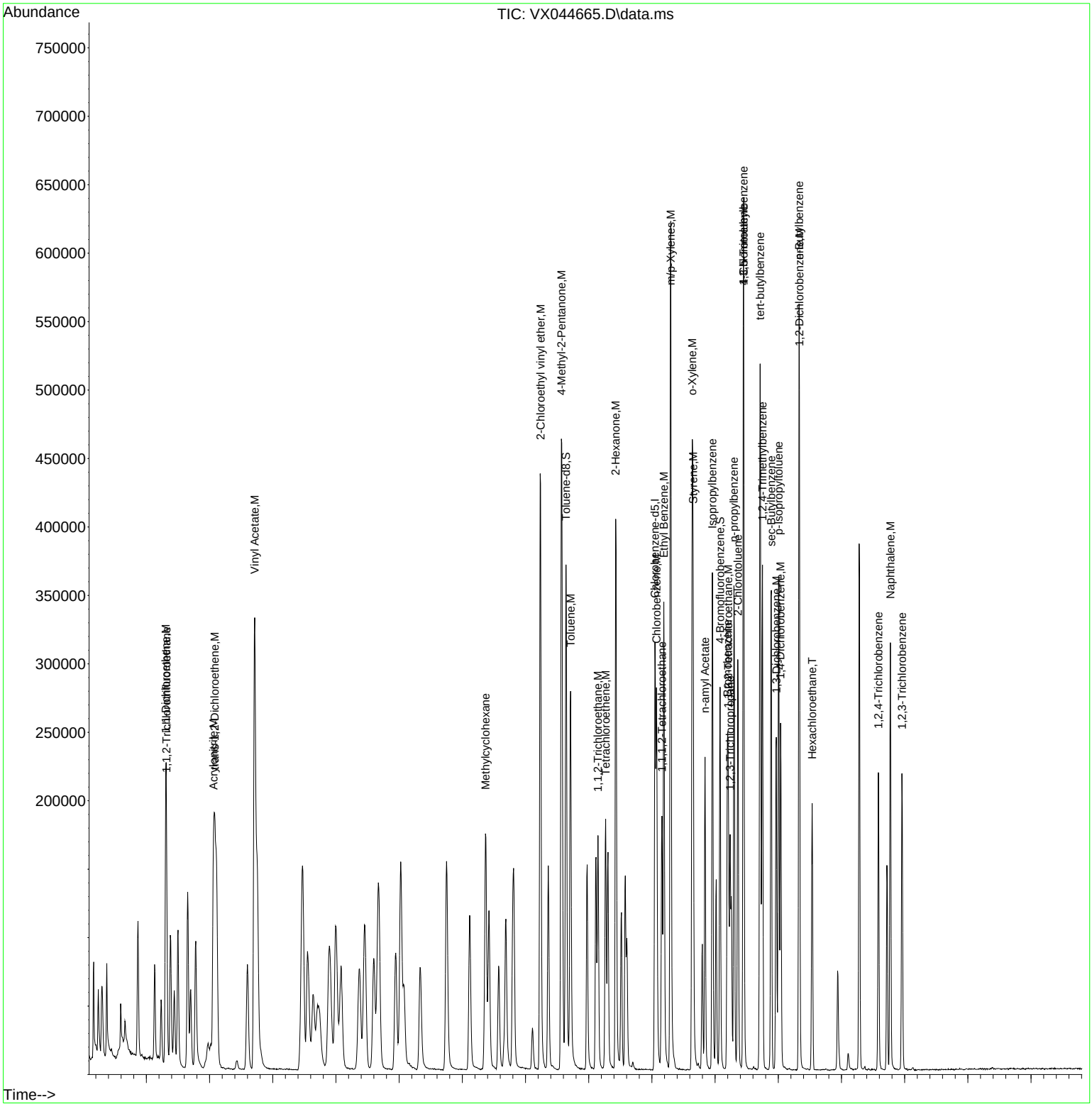
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044665.D
Acq On : 16 Jan 2025 11:45
Operator :
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 17 01:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044665.D
Acq On : 16 Jan 2025 11:45
Operator :
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625

Quant Time: Jan 17 01:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 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	88	0.00
2	M	Dichlorodifluoromethane	2.667	2.735	-2.5	91	0.00
3	M	Chloromethane	2.806	2.680	4.5	81	0.00
4	M	Vinyl Chloride	2.745	2.794	-1.8	89	0.00
5	M	Bromomethane	0.663	0.642	3.2	87	0.00
6	M	Chloroethane	0.435	0.413	5.1	84	0.00
7	M	Trichlorofluoromethane	3.006	3.193	-6.2	94	0.00
8	T	Diethyl Ether	1.160	1.203	-3.7	92	0.00
9		1,1,2-Trichlorotrifluoroeth	2.154	2.329	-8.1	98	0.00
10	M	1,1-Dichloroethene	2.216	2.271	-2.5	92	0.00
11		Methyl Iodide	3.071	3.054	0.6	86	0.00
12		Methyl Acetate	3.235	3.424	-5.8	96	0.00
13	M	Acrolein	0.358	0.359	-0.3	107	0.00
14	M	Acrylonitrile	1.179	1.251	-6.1	92	0.00
15	M	Acetone	0.316	0.361	-14.2	102	0.00
16	M	Carbon Disulfide	6.158	6.358	-3.2	91	0.00
17		Allyl chloride	3.996	4.158	-4.1	90	0.00
18	M	Methylene Chloride	2.480	2.452	1.1	85	0.00
19	M	trans-1,2-Dichloroethene	2.203	2.254	-2.3	90	0.00
20	T	Diisopropyl ether	7.253	7.644	-5.4	90	0.00
21	M	1,1-Dichloroethane	4.303	4.433	-3.0	90	0.00
22	M	cis-1,2-Dichloroethene	2.727	2.776	-1.8	86	0.00
23	M	tert-Butyl Alcohol	0.570	0.595	-4.4	89	0.00
24	M	Methyl tert-Butyl Ether	7.678	7.924	-3.2	89	0.00
25	M	Chloroform	4.275	4.380	-2.5	88	0.00
26		Cyclohexane	3.616	3.879	-7.3	95	0.00
27	s	1,2-Dichloroethane-d4	2.896	2.879	0.6	88	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
29		1,1-Dichloropropene	0.522	0.551	-5.6	93	0.00
30	M	2-Butanone	0.287	0.307	-7.0	91	0.00
31		2,2-Dichloropropane	0.722	0.753	-4.3	91	-0.01
32	M	1,1,1-Trichloroethane	0.692	0.710	-2.6	89	0.00
33	M	Carbon Tetrachloride	0.583	0.610	-4.6	91	0.00
34	M	Benzene	1.665	1.740	-4.5	88	0.00
35		Methacrylonitrile	0.320	0.336	-5.0	91	0.00
36	M	1,2-Dichloroethane	0.595	0.609	-2.4	87	0.00
37	M	Trichloroethene	0.402	0.415	-3.2	90	0.00
38		Methylcyclohexane	0.709	0.775	-9.3	98	0.00
39	M	1,2-Dichloropropane	0.415	0.433	-4.3	89	0.00
40		Dibromomethane	0.309	0.316	-2.3	88	0.00
41	M	Bromodichloromethane	0.637	0.646	-1.4	86	0.00
42	M	Vinyl Acetate	1.138	1.220	-7.2	90	0.00
43		Ethyl Acetate	0.562	0.590	-5.0	87	0.00
44		Isopropyl Acetate	1.010	1.052	-4.2	88	0.00
45	T	1,4-Dioxane	0.010	0.010	0.0	83	-0.01
46		Methyl methacrylate	0.494	0.492	0.4	85	0.00
47		n-amyl Acetate	0.848	0.883	-4.1	86	0.00
48	M	t-1,3-Dichloropropene	0.673	0.676	-0.4	85	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044665.D
Acq On : 16 Jan 2025 11:45
Operator :
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625

Quant Time: Jan 17 01:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 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	0.721	0.735	-1.9	86	0.00
50	M	1,1,2-Trichloroethane	0.397	0.413	-4.0	86	0.00
51		Ethyl methacrylate	0.691	0.705	-2.0	86	0.00
52		1,3-Dichloropropane	0.687	0.708	-3.1	86	0.00
53	M	Dibromochloromethane	0.475	0.476	-0.2	83	0.00
54	M	1,2-Dibromoethane	0.420	0.432	-2.9	86	0.00
55	M	2-Chloroethyl vinyl ether	0.335	0.349	-4.2	87	0.00
56	M	Bromoform	0.315	0.313	0.6	85	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
58	M	4-Methyl-2-Pentanone	0.632	0.688	-8.9	89	0.00
59	M	2-Hexanone	0.463	0.506	-9.3	90	0.00
60	S	4-Bromofluorobenzene	0.583	0.579	0.7	84	0.00
61	M	Tetrachloroethene	0.360	0.375	-4.2	90	0.00
62	M	Toluene	1.975	2.042	-3.4	87	0.00
63	S	Toluene-d8	1.632	1.666	-2.1	86	0.00
64	M	Chlorobenzene	1.227	1.255	-2.3	86	0.00
65		1,1,1,2-Tetrachloroethane	0.441	0.459	-4.1	87	0.00
66	M	Ethyl Benzene	2.156	2.245	-4.1	86	0.00
67	M	m/p-Xylenes	0.792	0.838	-5.8	86	0.00
68	M	o-Xylene	0.795	0.846	-6.4	86	0.00
69	M	Styrene	1.306	1.380	-5.7	85	0.00
70		Isopropylbenzene	1.999	2.105	-5.3	86	0.00
71	M	1,1,2,2-Tetrachloroethane	0.672	0.724	-7.7	89	0.00
72		1,2,3-Trichloropropane	0.565	0.605	-7.1	87	0.00
73		Bromobenzene	0.466	0.475	-1.9	84	0.00
74		n-propylbenzene	2.271	2.392	-5.3	87	0.00
75		2-Chlorotoluene	1.428	1.522	-6.6	87	0.00
76		1,3,5-Trimethylbenzene	1.624	1.707	-5.1	86	0.00
77		t-1,4-Dichloro-2-butene	0.268	0.273	-1.9	86	0.00
78		4-Chlorotoluene	1.573	1.635	-3.9	85	0.00
79		tert-butylbenzene	1.668	1.775	-6.4	86	0.00
80		1,2,4-Trimethylbenzene	1.638	1.714	-4.6	85	0.00
81		sec-Butylbenzene	1.992	2.133	-7.1	88	0.00
82		p-Isopropyltoluene	1.639	1.719	-4.9	86	0.00
83	M	1,3-Dichlorobenzene	0.827	0.853	-3.1	85	0.00
84	M	1,4-Dichlorobenzene	0.811	0.844	-4.1	85	0.00
85		n-Butylbenzene	1.421	1.476	-3.9	87	0.00
86	T	Hexachloroethane	0.361	0.372	-3.0	87	0.00
87	M	1,2-Dichlorobenzene	0.826	0.876	-6.1	86	0.00
88		1,2-Dibromo-3-Chloropropane	0.162	0.165	-1.9	87	0.00
89		1,2,4-Trichlorobenzene	0.513	0.515	-0.4	87	0.00
90		Hexachlorobutadiene	0.199	0.204	-2.5	86	0.00
91	M	Naphthalene	1.921	2.031	-5.7	88	0.00
92		1,2,3-Trichlorobenzene	0.522	0.527	-1.0	84	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\VX011625\
Data File : VX044665.D
Acq On : 16 Jan 2025 11:45
Operator :
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625

Quant Time: Jan 17 01:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 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	88	0.00
2	M	Dichlorodifluoromethane	20.000	20.509	-2.5	91	0.00
3	M	Chloromethane	20.000	19.100	4.5	81	0.00
4	M	Vinyl Chloride	20.000	20.352	-1.8	89	0.00
5	M	Bromomethane	20.000	19.362	3.2	87	0.00
6	M	Chloroethane	20.000	18.963	5.2	84	0.00
7	M	Trichlorofluoromethane	20.000	21.244	-6.2	94	0.00
8	T	Diethyl Ether	20.000	20.751	-3.8	92	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	21.630	-8.1	98	0.00
10	M	1,1-Dichloroethene	20.000	20.500	-2.5	92	0.00
11		Methyl Iodide	20.000	19.893	0.5	86	0.00
12		Methyl Acetate	20.000	21.168	-5.8	96	0.00
13	M	Acrolein	100.000	100.289	-0.3	107	0.00
14	M	Acrylonitrile	100.000	106.105	-6.1	92	0.00
15	M	Acetone	100.000	114.138	-14.1	102	0.00
16	M	Carbon Disulfide	20.000	20.650	-3.2	91	0.00
17		Allyl chloride	20.000	20.812	-4.1	90	0.00
18	M	Methylene Chloride	20.000	19.777	1.1	85	0.00
19	M	trans-1,2-Dichloroethene	20.000	20.458	-2.3	90	0.00
20	T	Diisopropyl ether	20.000	21.077	-5.4	90	0.00
21	M	1,1-Dichloroethane	20.000	20.604	-3.0	90	0.00
22	M	cis-1,2-Dichloroethene	20.000	20.361	-1.8	86	0.00
23	M	tert-Butyl Alcohol	100.000	104.428	-4.4	89	0.00
24	M	Methyl tert-Butyl Ether	20.000	20.642	-3.2	89	0.00
25	M	Chloroform	20.000	20.489	-2.4	88	0.00
26		Cyclohexane	20.000	21.454	-7.3	95	0.00
27	s	1,2-Dichloroethane-d4	30.000	29.821	0.6	88	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	88	0.00
29		1,1-Dichloropropene	20.000	21.106	-5.5	93	0.00
30	M	2-Butanone	100.000	107.032	-7.0	91	0.00
31		2,2-Dichloropropane	20.000	20.869	-4.3	91	-0.01
32	M	1,1,1-Trichloroethane	20.000	20.522	-2.6	89	0.00
33	M	Carbon Tetrachloride	20.000	20.898	-4.5	91	0.00
34	M	Benzene	20.000	20.899	-4.5	88	0.00
35		Methacrylonitrile	20.000	20.958	-4.8	91	0.00
36	M	1,2-Dichloroethane	20.000	20.476	-2.4	87	0.00
37	M	Trichloroethene	20.000	20.651	-3.3	90	0.00
38		Methylcyclohexane	20.000	21.851	-9.3	98	0.00
39	M	1,2-Dichloropropane	20.000	20.847	-4.2	89	0.00
40		Dibromomethane	20.000	20.456	-2.3	88	0.00
41	M	Bromodichloromethane	20.000	20.283	-1.4	86	0.00
42	M	Vinyl Acetate	100.000	107.208	-7.2	90	0.00
43		Ethyl Acetate	20.000	20.996	-5.0	87	0.00
44		Isopropyl Acetate	20.000	20.825	-4.1	88	0.00
45	T	1,4-Dioxane	400.000	403.967	-1.0	83	-0.01
46		Methyl methacrylate	20.000	19.893	0.5	85	0.00
47		n-amyl Acetate	20.000	20.825	-4.1	86	0.00
48	M	t-1,3-Dichloropropene	20.000	20.098	-0.5	85	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044665.D
Acq On : 16 Jan 2025 11:45
Operator :
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625

Quant Time: Jan 17 01:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 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	20.389	-1.9	86	0.00
50	M	1,1,2-Trichloroethane	20.000	20.759	-3.8	86	0.00
51		Ethyl methacrylate	20.000	20.416	-2.1	86	0.00
52		1,3-Dichloropropane	20.000	20.610	-3.0	86	0.00
53	M	Dibromochloromethane	20.000	20.035	-0.2	83	0.00
54	M	1,2-Dibromoethane	20.000	20.554	-2.8	86	0.00
55	M	2-Chloroethyl vinyl ether	100.000	104.044	-4.0	87	0.00
56	M	Bromoform	20.000	19.895	0.5	85	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	84	0.00
58	M	4-Methyl-2-Pentanone	100.000	108.729	-8.7	89	0.00
59	M	2-Hexanone	100.000	109.252	-9.3	90	0.00
60	S	4-Bromofluorobenzene	30.000	29.820	0.6	84	0.00
61	M	Tetrachloroethene	20.000	20.867	-4.3	90	0.00
62	M	Toluene	20.000	20.674	-3.4	87	0.00
63	S	Toluene-d8	30.000	30.639	-2.1	86	0.00
64	M	Chlorobenzene	20.000	20.464	-2.3	86	0.00
65		1,1,1,2-Tetrachloroethane	20.000	20.848	-4.2	87	0.00
66	M	Ethyl Benzene	20.000	20.829	-4.1	86	0.00
67	M	m/p-Xylenes	40.000	42.296	-5.7	86	0.00
68	M	o-Xylene	20.000	21.283	-6.4	86	0.00
69	M	Styrene	20.000	21.140	-5.7	85	0.00
70		Isopropylbenzene	20.000	21.060	-5.3	86	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	21.542	-7.7	89	0.00
72		1,2,3-Trichloropropane	20.000	21.393	-7.0	87	0.00
73		Bromobenzene	20.000	20.409	-2.0	84	0.00
74		n-propylbenzene	20.000	21.062	-5.3	87	0.00
75		2-Chlorotoluene	20.000	21.314	-6.6	87	0.00
76		1,3,5-Trimethylbenzene	20.000	21.023	-5.1	86	0.00
77		t-1,4-Dichloro-2-butene	20.000	20.382	-1.9	86	0.00
78		4-Chlorotoluene	20.000	20.783	-3.9	85	0.00
79		tert-butylbenzene	20.000	21.282	-6.4	86	0.00
80		1,2,4-Trimethylbenzene	20.000	20.931	-4.7	85	0.00
81		sec-Butylbenzene	20.000	21.421	-7.1	88	0.00
82		p-Isopropyltoluene	20.000	20.974	-4.9	86	0.00
83	M	1,3-Dichlorobenzene	20.000	20.613	-3.1	85	0.00
84	M	1,4-Dichlorobenzene	20.000	20.811	-4.1	85	0.00
85		n-Butylbenzene	20.000	20.771	-3.9	87	0.00
86	T	Hexachloroethane	20.000	20.633	-3.2	87	0.00
87	M	1,2-Dichlorobenzene	20.000	21.206	-6.0	86	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	20.383	-1.9	87	0.00
89		1,2,4-Trichlorobenzene	20.000	20.081	-0.4	87	0.00
90		Hexachlorobutadiene	20.000	20.548	-2.7	86	0.00
91	M	Naphthalene	20.000	21.143	-5.7	88	0.00
92		1,2,3-Trichlorobenzene	20.000	20.183	-0.9	84	0.00

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

Raw Data: **VX044856.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: Q1316 SAS No.: Q1316 SDG No.: Q1316

Instrument ID: MSVOA_X Calibration Date/Time: 02/07/2025 10:01

Lab File ID: VX044856.D Init. Calib. Date(s): 01/16/2025 01/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:39 10:12

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Benzene	1.665	1.701	0.5	2.16	
Toluene	1.975	2.024	0.4	2.48	
Ethyl Benzene	2.156	2.199	0.1	1.99	
m/p-Xylenes	0.792	0.839	0.3	5.93	
o-Xylene	0.795	0.821	0.3	3.27	
1,2-Dichloroethane-d4	2.896	2.855	0.01	-1.42	
Toluene-d8	1.632	1.671	0.01	2.39	
4-Bromofluorobenzene	0.583	0.548	0.2	-6	

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\VX020725\
Data File : VX044856.D
Acq On : 07 Feb 2025 10:01
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 22:09:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	21982	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	127777	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	110326	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	62760	29.574	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.567%			
60) 4-Bromofluorobenzene	11.079	95	60460	28.214	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.033%			
63) Toluene-d8	8.641	98	184306	30.715	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.367%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	38681	19.791	ug/l	97
3) Chloromethane	1.301	50	42278	20.564	ug/l	97
4) Vinyl Chloride	1.374	62	41628	20.694	ug/l	96
5) Bromomethane	1.593	94	12595	25.907	ug/l	97
6) Chloroethane	1.666	64	20717	64.954	ug/l	99
7) Trichlorofluoromethane	1.874	101	55890	25.371	ug/l	100
8) Diethyl Ether	2.130	74	20088	23.637	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.319	101	34708	21.992	ug/l	98
10) 1,1-Dichloroethene	2.313	96	33764	20.795	ug/l	92
11) Methyl Iodide	2.447	142	43273	19.232	ug/l	99
12) Methyl Acetate	2.697	43	58515	24.685	ug/l	96
13) Acrolein	2.233	56	29319	111.844	ug/l	99
14) Acrylonitrile	3.063	53	100150	115.945	ug/l	98
15) Acetone	2.380	58	26153	112.837	ug/l	94
16) Carbon Disulfide	2.502	76	88049	19.513	ug/l	99
17) Allyl chloride	2.654	41	61903	21.141	ug/l	96
18) Methylene Chloride	2.782	84	37753	20.777	ug/l	95
19) trans-1,2-Dichloroethene	3.081	96	33403	20.689	ug/l	97
20) Diisopropyl ether	3.751	45	121085	22.783	ug/l	91
21) 1,1-Dichloroethane	3.599	63	66264	21.018	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	41572	20.804	ug/l	98
23) tert-Butyl Alcohol	2.971	59	37368	89.445	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	110896	19.712	ug/l	100
25) Chloroform	5.080	83	64304	20.527	ug/l	96
26) Cyclohexane	5.458	56	59159	22.326	ug/l #	97
29) 1,1-Dichloropropene	5.684	75	45030	20.261	ug/l	98
30) 2-Butanone	4.550	43	131275	107.525	ug/l	99
31) 2,2-Dichloropropane	4.465	77	54146	17.605	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	54507	18.506	ug/l	96
33) Carbon Tetrachloride	5.666	117	44931	18.084	ug/l	96
34) Benzene	6.032	78	144891	20.434	ug/l	98
35) Methacrylonitrile	4.916	41	28022	20.536	ug/l	97
36) 1,2-Dichloroethane	6.074	62	47132	18.591	ug/l	99
37) Trichloroethene	7.117	130	32691	19.095	ug/l	99
38) Methylcyclohexane	7.373	83	61391	20.330	ug/l	99
39) 1,2-Dichloropropane	7.422	63	36029	20.376	ug/l	99
40) Dibromomethane	7.574	93	25309	19.253	ug/l	99
41) Bromodichloromethane	7.818	83	50263	18.517	ug/l	100
42) Vinyl Acetate	3.715	43	472565	97.465	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044856.D
Acq On : 07 Feb 2025 10:01
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 22:09:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	49972	20.866	ug/l #	94
44) Isopropyl Acetate	6.336	43	83898	19.500	ug/l	97
45) 1,4-Dioxane	7.659	88	16798	410.012	ug/l	96
46) Methyl methacrylate	7.690	41	39054	18.544	ug/l	97
47) n-amyl Acetate	10.842	43	66186	18.330	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	48829	17.043	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	55813	18.168	ug/l	97
50) 1,1,2-Trichloroethane	9.147	97	33901	20.024	ug/l	98
51) Ethyl methacrylate	9.110	69	52415	17.821	ug/l	92
52) 1,3-Dichloropropane	9.305	76	58140	19.855	ug/l	99
53) Dibromochloromethane	9.519	129	36378	17.982	ug/l	98
54) 1,2-Dibromoethane	9.604	107	33803	18.887	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	131426	92.096	ug/l	98
56) Bromoform	10.799	173	22911	17.079	ug/l	99
58) 4-Methyl-2-Pentanone	8.568	43	260866	112.176	ug/l	97
59) 2-Hexanone	9.427	43	186586	109.594	ug/l	98
61) Tetrachloroethene	9.269	164	27625	20.874	ug/l	96
62) Toluene	8.714	91	148843	20.489	ug/l	98
64) Chlorobenzene	10.073	112	93379	20.697	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	29766	18.366	ug/l	99
66) Ethyl Benzene	10.189	91	161727	20.400	ug/l	98
67) m/p-Xylenes	10.299	106	123472	42.369	ug/l	96
68) o-Xylene	10.640	106	60359	20.637	ug/l	98
69) Styrene	10.653	104	98668	20.547	ug/l	98
70) Isopropylbenzene	10.957	105	155103	21.094	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	50682	20.504	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	41926m	20.161	ug/l	
73) Bromobenzene	11.195	156	34212	19.973	ug/l	97
74) n-propylbenzene	11.299	91	179572	21.501	ug/l	99
75) 2-Chlorotoluene	11.360	91	106713	20.324	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	125572	21.029	ug/l	99
77) t-1,4-Dichloro-2-butene	11.012	75	15500	15.755	ug/l	92
78) 4-Chlorotoluene	11.451	91	117523	20.313	ug/l	98
79) tert-butylbenzene	11.713	119	126472	20.617	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	124696	20.698	ug/l	100
81) sec-Butylbenzene	11.890	105	157354	21.482	ug/l	100
82) p-Isopropyltoluene	12.006	119	126371	20.962	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	61987	20.374	ug/l	99
84) 1,4-Dichlorobenzene	12.037	146	61448	20.602	ug/l	97
85) n-Butylbenzene	12.329	91	111034	21.247	ug/l	99
86) Hexachloroethane	12.536	117	23450	17.682	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	61141	20.124	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	9565	16.066	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	35685	18.900	ug/l	98
90) Hexachlorobutadiene	13.725	225	15274	20.914	ug/l	98
91) Naphthalene	13.774	128	132248	18.722	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	36318	18.912	ug/l	99

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

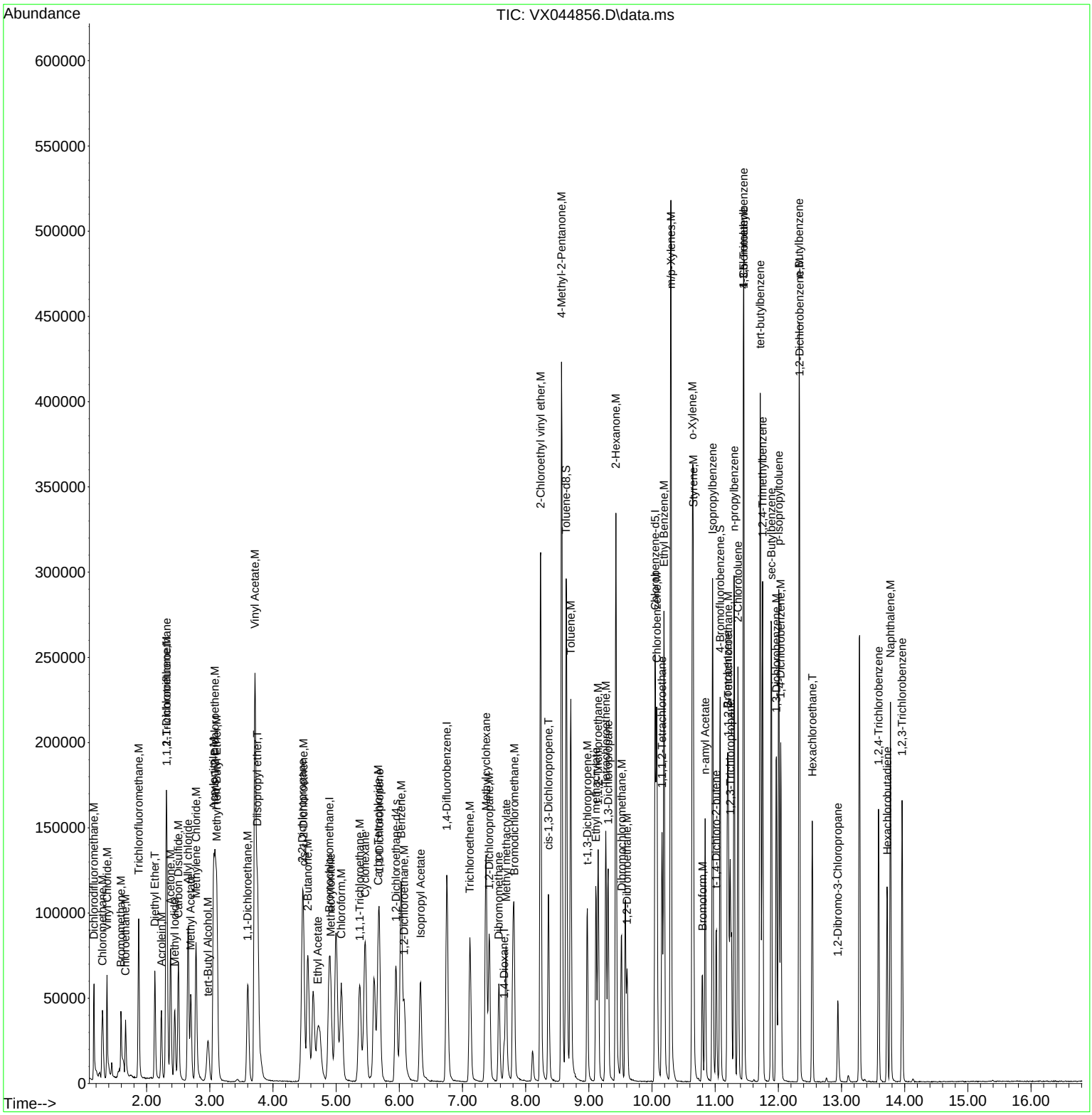
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044856.D
Acq On : 07 Feb 2025 10:01
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 22:09:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



QC SAMPLE DATA

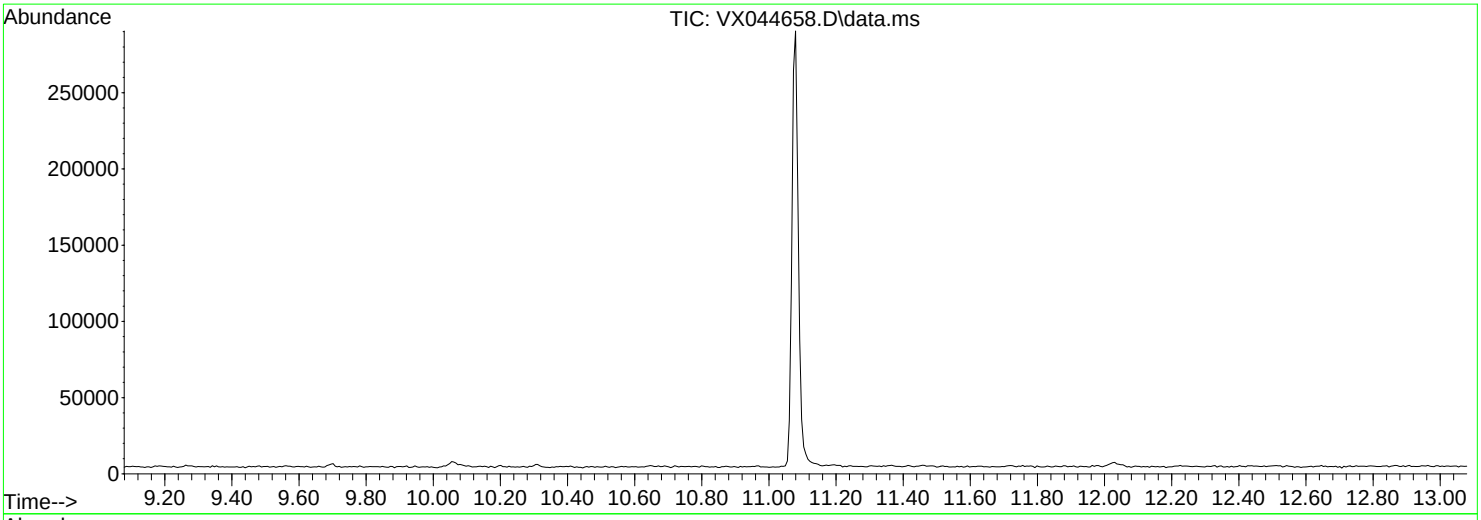
Sample Results: **VX044658.D**

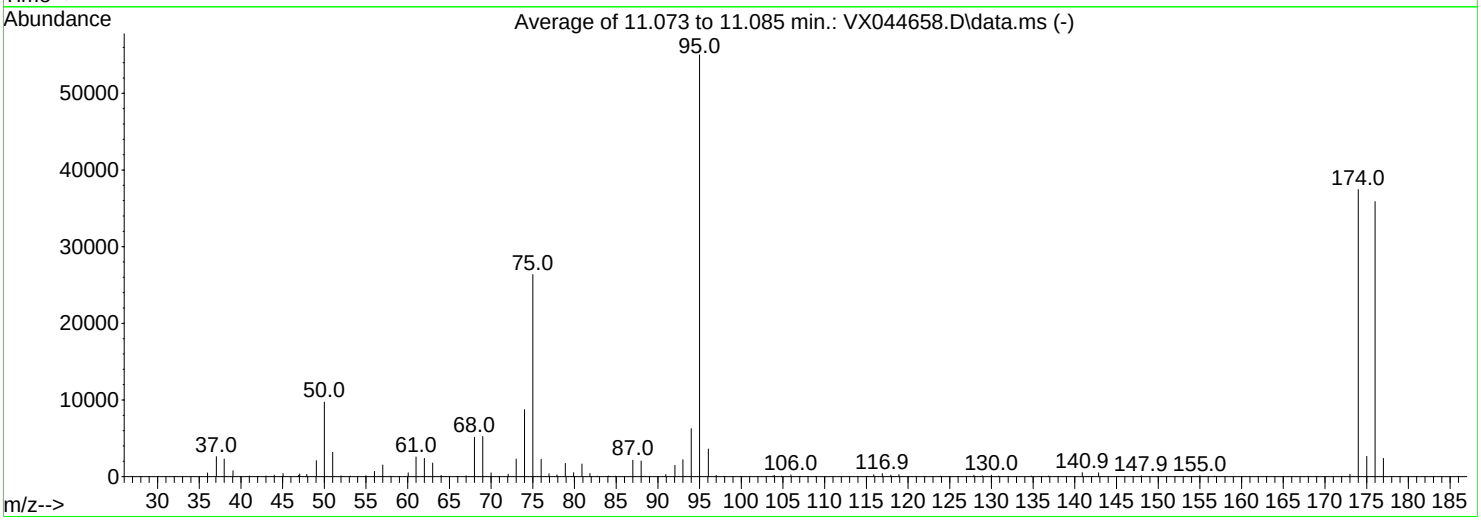
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044658.D
Acq On : 16 Jan 2025 08:02
Operator :
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1630

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	9723	PASS
75	95	30	60	47.9	26357	PASS
95	95	100	100	100.0	55021	PASS
96	95	5	9	6.6	3607	PASS
173	174	0.00	2	0.8	316	PASS
174	95	50	100	68.1	37445	PASS
175	174	5	9	7.1	2650	PASS
176	174	95	101	95.8	35883	PASS
177	176	5	9	6.6	2384	PASS

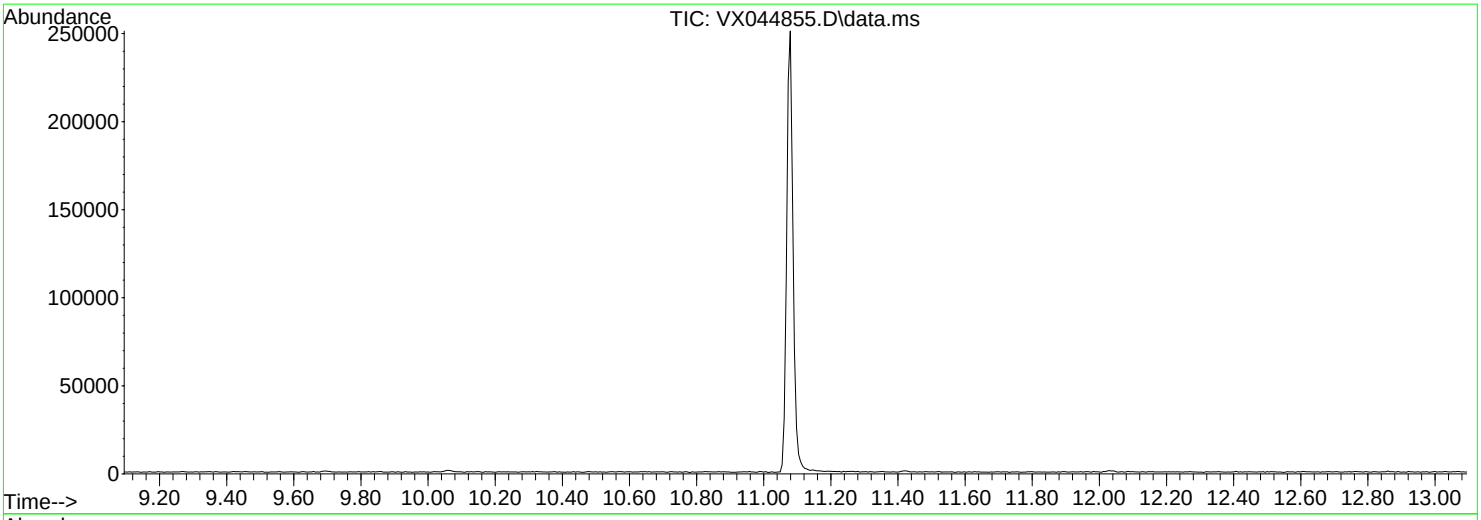
Sample Results: **VX044855.D**

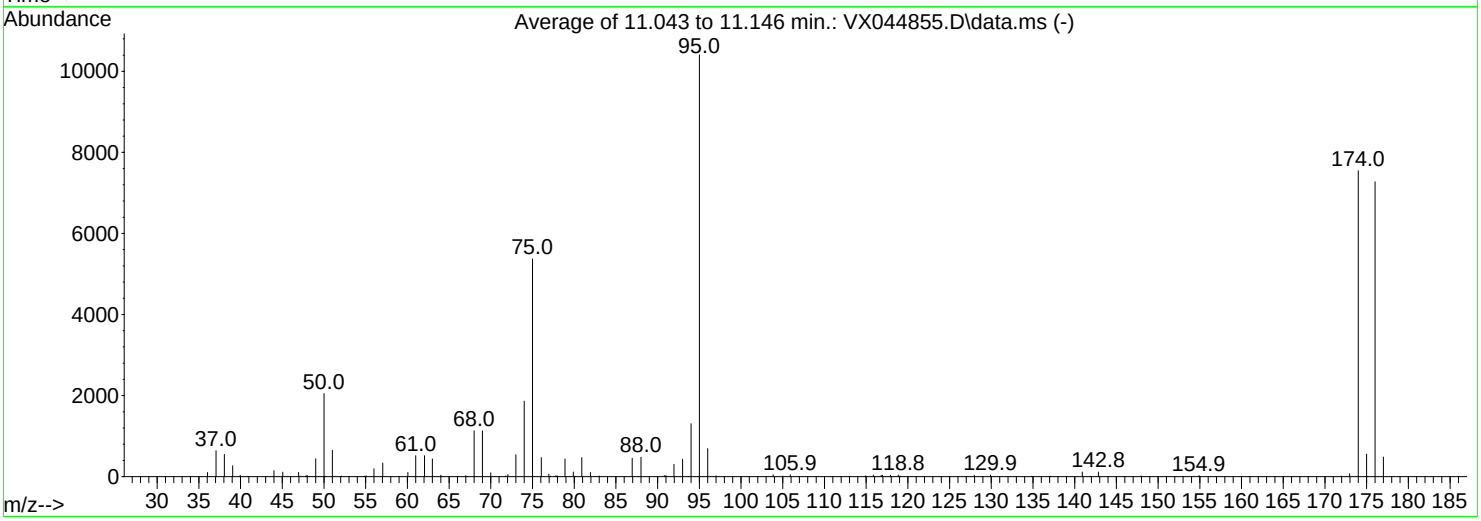
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044855.D
Acq On : 07 Feb 2025 09:33
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Jan 17 01:21:41 2025





AutoFind: Averaged scan 1633 to 1650; Bkg corrected with scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	2049	PASS
75	95	30	60	51.6	5371	PASS
95	95	100	100	100.0	10407	PASS
96	95	5	9	6.6	691	PASS
173	174	0.00	2	0.9	70	PASS
174	95	50	100	72.5	7547	PASS
175	174	5	9	7.4	557	PASS
176	174	95	101	96.4	7277	PASS
177	176	5	9	6.6	483	PASS

Raw Data: **VX044859.D**

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

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	
Project:	Transfer Station-SPDES	Date Received:	
Client Sample ID:	VX0207WBL01	SDG No.:	Q1316
Lab Sample ID:	VX0207WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044859.D	1		02/07/25 11:24	VX020725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
108-88-3	Toluene	0.72	U	0.72	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.3		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	30.4		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	31.4		63 - 112	105%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	20500	4.898			
540-36-3	1,4-Difluorobenzene	114000	6.757			
3114-55-4	Chlorobenzene-d5	99600	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\VX020725\
Data File : VX044859.D
Acq On : 07 Feb 2025 11:24
Operator : JC/MD
Sample : VX0207WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

Quant Time: Feb 07 22:13:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

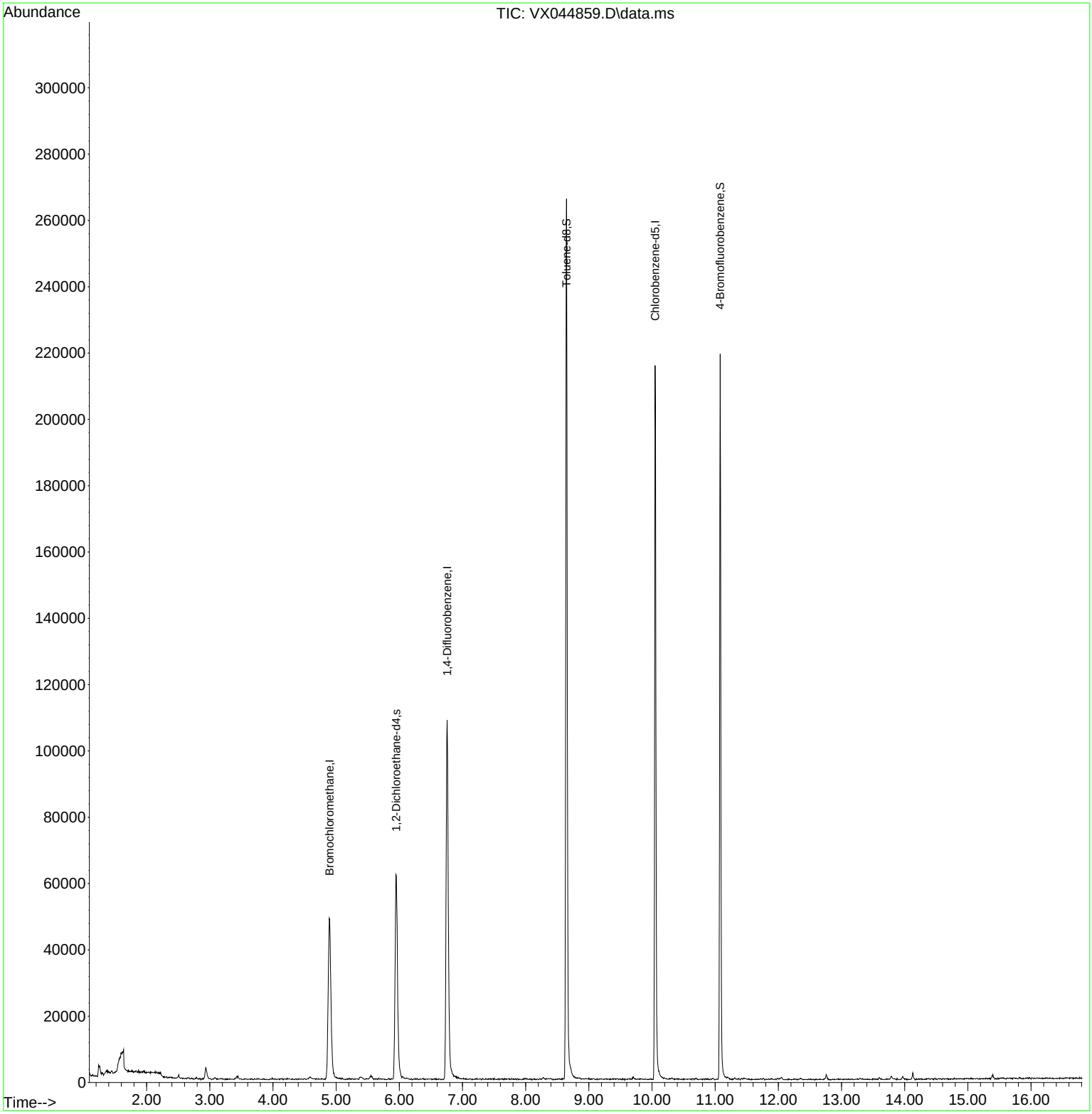
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.898	128	20510	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	114099	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	99648	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58004	29.295	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.633%			
60) 4-Bromofluorobenzene	11.079	95	60822	31.424	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.733%			
63) Toluene-d8	8.647	98	164674	30.384	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.267%			
Target Compounds						Qvalue

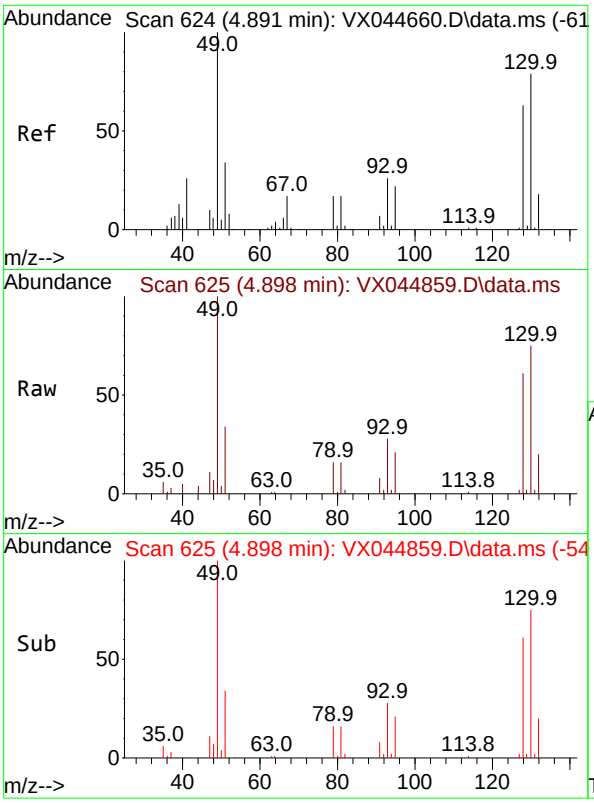
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044859.D
Acq On : 07 Feb 2025 11:24
Operator : JC/MD
Sample : VX0207WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

Quant Time: Feb 07 22:13:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



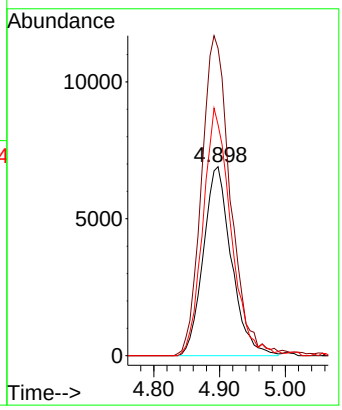


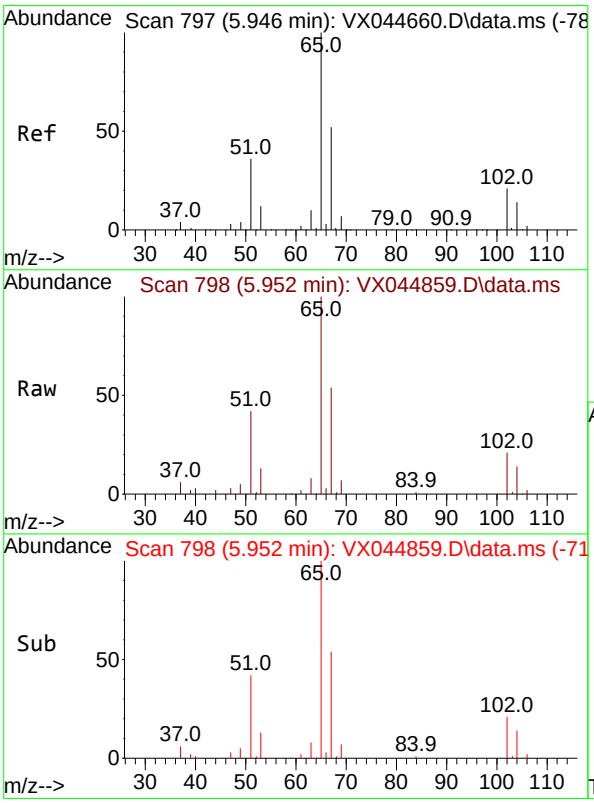
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 6
Delta R.T. 0.007 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

Tgt Ion:128 Resp: 20510

Ion	Ratio	Lower	Upper
128	100		
49	171.6	0.0	411.5
130	128.1	0.0	324.3

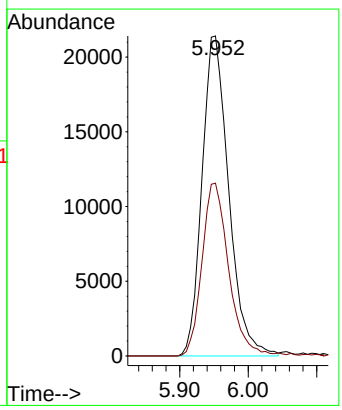


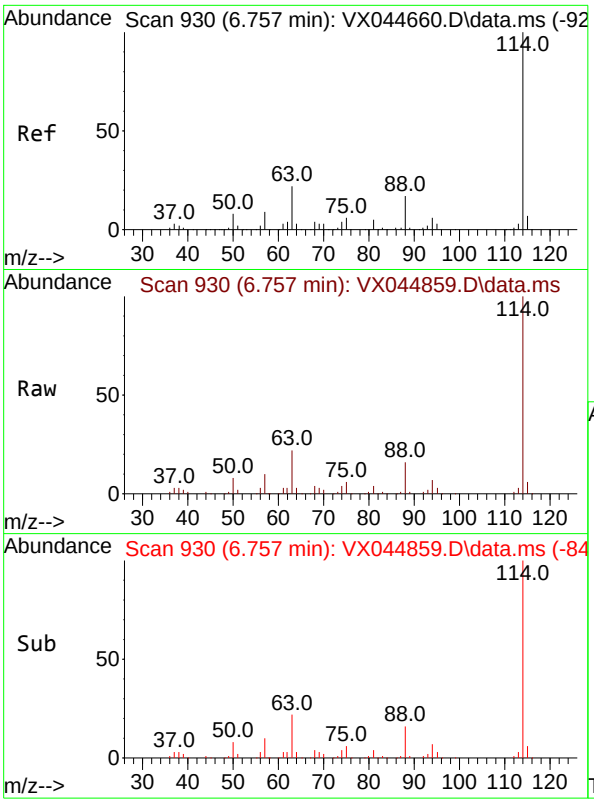


#27
1,2-Dichloroethane-d4
Concen: 29.295 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Tgt Ion: 65 Resp: 58004

Ion	Ratio	Lower	Upper
65	100		
67	53.8	41.4	62.2



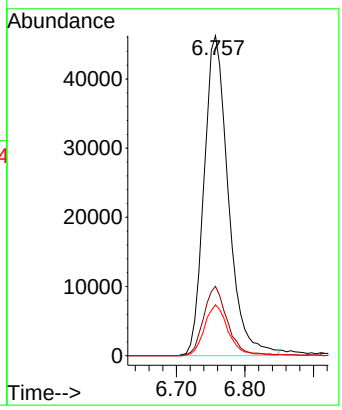


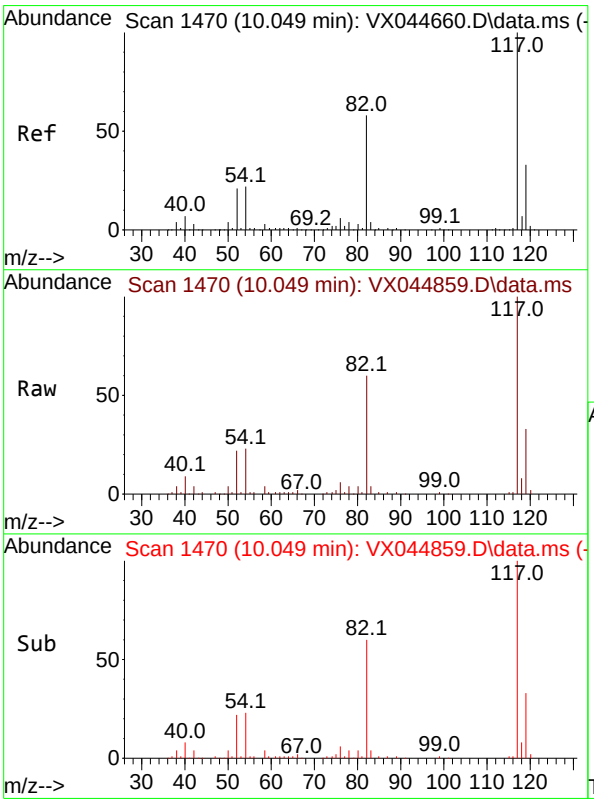
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

Tgt Ion:114 Resp: 114099

Ion	Ratio	Lower	Upper
114	100		
63	21.3	16.6	24.8
88	15.3	13.4	20.2

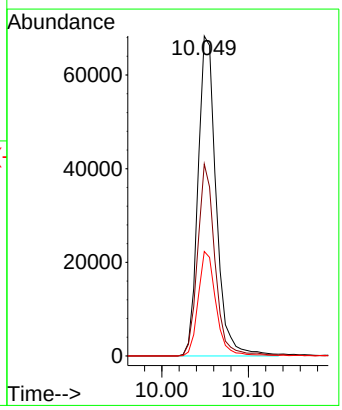


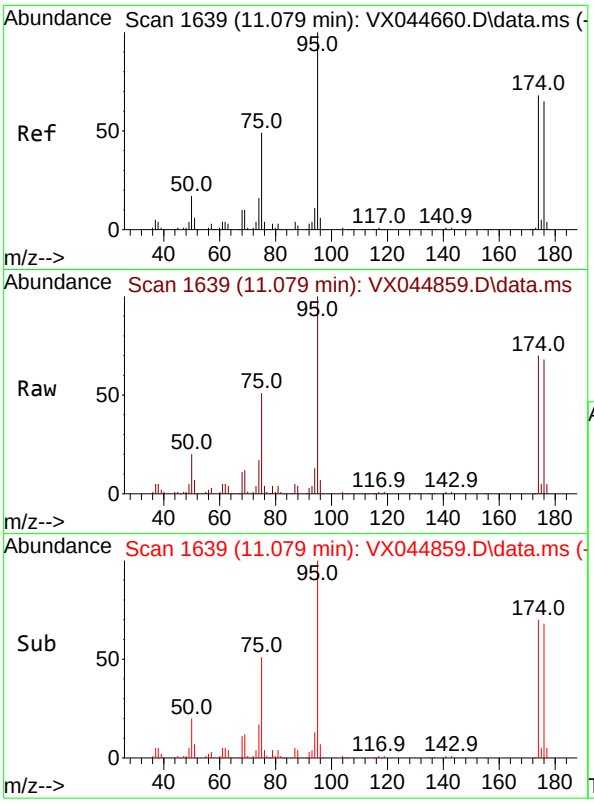


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Tgt Ion:117 Resp: 99648

Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.8	68.6
119	32.0	25.8	38.6



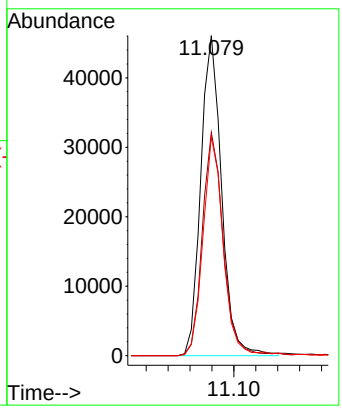


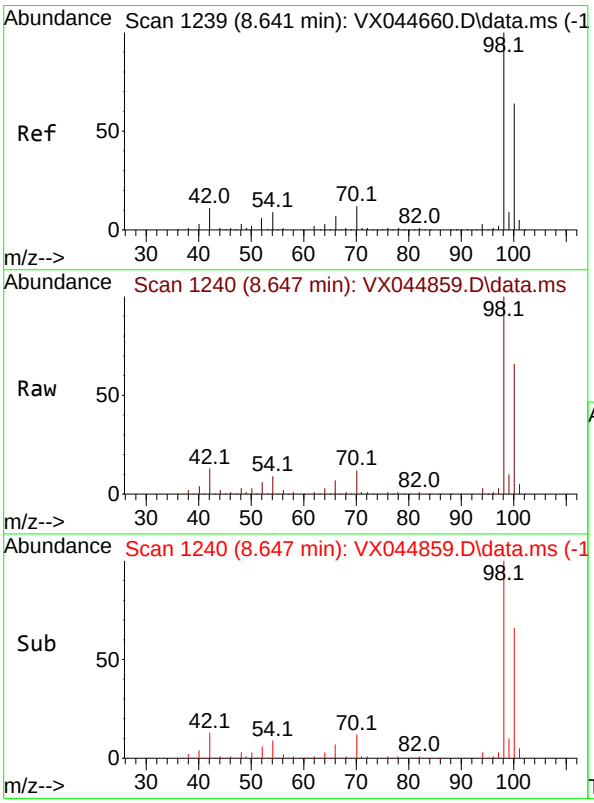
#60
4-Bromofluorobenzene
Concen: 31.424 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

Tgt Ion: 95 Resp: 60822

Ion	Ratio	Lower	Upper
95	100		
174	69.5	54.6	81.8
176	65.5	52.8	79.2

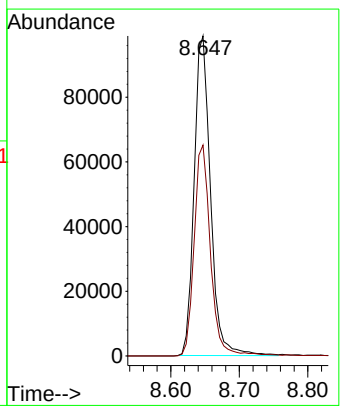




#63
Toluene-d8
Concen: 30.384 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Tgt Ion: 98 Resp: 164674

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.6	80.4



Raw Data: **VX044857.D**

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

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	
Project:	Transfer Station-SPDES	Date Received:	
Client Sample ID:	VX0207WBS01	SDG No.:	Q1316
Lab Sample ID:	VX0207WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044857.D	1		02/07/25 10:33	VX020725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	21.0		0.69	5.00	ug/L
108-88-3	Toluene	20.7		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	20.8		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	43.0		1.70	10.0	ug/L
95-47-6	o-Xylene	21.5		0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.8		91 - 110	96%	SPK: 30
2037-26-5	Toluene-d8	29.8		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.8		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	21300	4.885			
540-36-3	1,4-Difluorobenzene	121000	6.751			
3114-55-4	Chlorobenzene-d5	109000	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\VX020725\
Data File : VX044857.D
Acq On : 07 Feb 2025 10:33
Operator : JC/MD
Sample : VX0207WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 22:11:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone

02/10/2025
Supervised By :Mahesh Dadoda

02/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.885	128	21269	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	121245	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	109254	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	59056	28.762	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 95.867%			
60) 4-Bromofluorobenzene	11.079	95	61180	28.830	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.100%			
63) Toluene-d8	8.641	98	177307	29.838	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.467%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	37184	19.663	ug/l	98
3) Chloromethane	1.307	50	43711	21.974	ug/l	96
4) Vinyl Chloride	1.374	62	40820	20.973	ug/l	95
5) Bromomethane	1.593	94	11977	25.461	ug/l	90
6) Chloroethane	1.666	64	20410	66.137	ug/l	98
7) Trichlorofluoromethane	1.874	101	55621	26.095	ug/l	97
8) Diethyl Ether	2.130	74	20315	24.706	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	34039	22.291	ug/l	97
10) 1,1-Dichloroethene	2.306	96	32740	20.840	ug/l	92
11) Methyl Iodide	2.441	142	44608	20.490	ug/l	98
12) Methyl Acetate	2.697	43	59881	26.109	ug/l	98
13) Acrolein	2.233	56	28978	114.248	ug/l	96
14) Acrylonitrile	3.056	53	98759	118.168	ug/l	100
15) Acetone	2.380	58	28163	125.583	ug/l	97
16) Carbon Disulfide	2.501	76	84493	19.353	ug/l	100
17) Allyl chloride	2.654	41	60600	21.390	ug/l	99
18) Methylene Chloride	2.782	84	37448	21.300	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	33525	21.461	ug/l	98
20) Diisopropyl ether	3.757	45	118201	22.986	ug/l	97
21) 1,1-Dichloroethane	3.599	63	65967	21.625	ug/l	97
22) cis-1,2-Dichloroethene	4.477	96	40529	20.962	ug/l	99
23) tert-Butyl Alcohol	2.977	59	39884	98.667	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	108960	20.017	ug/l	99
25) Chloroform	5.086	83	63510	20.953	ug/l	95
26) Cyclohexane	5.458	56	58370	22.767	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	43920	20.826	ug/l	99
30) 2-Butanone	4.550	43	139293	120.239	ug/l	98
31) 2,2-Dichloropropane	4.465	77	54018	18.510	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	53562	19.165	ug/l	96
33) Carbon Tetrachloride	5.666	117	44831	19.016	ug/l	98
34) Benzene	6.031	78	141391	21.014	ug/l	98
35) Methacrylonitrile	4.910	41	28566	22.063	ug/l	94
36) 1,2-Dichloroethane	6.074	62	46552	19.351	ug/l	98
37) Trichloroethene	7.117	130	32029	19.717	ug/l	86
38) Methylcyclohexane	7.373	83	61035	21.301	ug/l	99
39) 1,2-Dichloropropane	7.421	63	34609	20.627	ug/l	94
40) Dibromomethane	7.574	93	24453	19.604	ug/l	98
41) Bromodichloromethane	7.818	83	48201	18.715	ug/l	100
42) Vinyl Acetate	3.715	43	465984	101.286	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044857.D
Acq On : 07 Feb 2025 10:33
Operator : JC/MD
Sample : VX0207WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 22:11:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone
02/10/2025
Supervised By :Mahesh Dadoda
02/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	4.702	43	46596	20.504	ug/l	#	94
44) Isopropyl Acetate	6.330	43	82345	20.170	ug/l		99
45) 1,4-Dioxane	7.659	88	18797	483.522	ug/l		95
46) Methyl methacrylate	7.690	41	40679	20.356	ug/l		96
47) n-amyl Acetate	10.841	43	70357	20.535	ug/l		98
48) t-1,3-Dichloropropene	8.976	75	48303	17.768	ug/l		96
49) cis-1,3-Dichloropropene	8.360	75	55284	18.965	ug/l		97
50) 1,1,2-Trichloroethane	9.147	97	33205	20.669	ug/l		99
51) Ethyl methacrylate	9.110	69	55040	19.722	ug/l		97
52) 1,3-Dichloropropane	9.305	76	59019	21.241	ug/l		100
53) Dibromochloromethane	9.518	129	35882	18.692	ug/l		96
54) 1,2-Dibromoethane	9.604	107	34128	20.096	ug/l		99
55) 2-Chloroethyl vinyl ether	8.238	63	119921	88.561	ug/l		98
56) Bromoform	10.799	173	22766	17.885	ug/l		99
58) 4-Methyl-2-Pentanone	8.567	43	275743	119.736	ug/l		97
59) 2-Hexanone	9.427	43	200781	119.089	ug/l		98
61) Tetrachloroethene	9.269	164	27372	20.886	ug/l		97
62) Toluene	8.714	91	148799	20.684	ug/l		97
64) Chlorobenzene	10.079	112	93373	20.899	ug/l		99
65) 1,1,1,2-Tetrachloroethane	10.159	131	30035	18.714	ug/l		98
66) Ethyl Benzene	10.189	91	163074	20.771	ug/l		97
67) m/p-Xylenes	10.299	106	124105	43.004	ug/l		97
68) o-Xylene	10.640	106	62397	21.543	ug/l		96
69) Styrene	10.652	104	102036	21.456	ug/l		98
70) Isopropylbenzene	10.957	105	157556	21.638	ug/l		100
71) 1,1,2,2-Tetrachloroethane	11.207	83	54041	22.077	ug/l		97
72) 1,2,3-Trichloropropane	11.238	75	44167m	21.447	ug/l		
73) Bromobenzene	11.195	156	36206	21.344	ug/l		96
74) n-propylbenzene	11.299	91	186093	22.501	ug/l		99
75) 2-Chlorotoluene	11.360	91	112763	21.687	ug/l		99
76) 1,3,5-Trimethylbenzene	11.451	105	130479	22.066	ug/l		100
77) t-1,4-Dichloro-2-butene	11.018	75	16282	16.712	ug/l		97
78) 4-Chlorotoluene	11.451	91	124166	21.672	ug/l		98
79) tert-butylbenzene	11.713	119	131098	21.581	ug/l		99
80) 1,2,4-Trimethylbenzene	11.750	105	130174	21.819	ug/l		97
81) sec-Butylbenzene	11.890	105	166220	22.915	ug/l		98
82) p-Isopropyltoluene	12.006	119	134700	22.563	ug/l		98
83) 1,3-Dichlorobenzene	11.969	146	66475	22.063	ug/l		98
84) 1,4-Dichlorobenzene	12.036	146	65439	22.155	ug/l		98
85) n-Butylbenzene	12.329	91	120902	23.362	ug/l		98
86) Hexachloroethane	12.536	117	24368	18.555	ug/l		98
87) 1,2-Dichlorobenzene	12.335	146	65920	21.910	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	10040	17.029	ug/l		95
89) 1,2,4-Trichlorobenzene	13.585	180	39458	21.104	ug/l		99
90) Hexachlorobutadiene	13.725	225	15995	22.117	ug/l		97
91) Naphthalene	13.774	128	143375	20.497	ug/l		100
92) 1,2,3-Trichlorobenzene	13.957	180	39356	20.695	ug/l		99

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

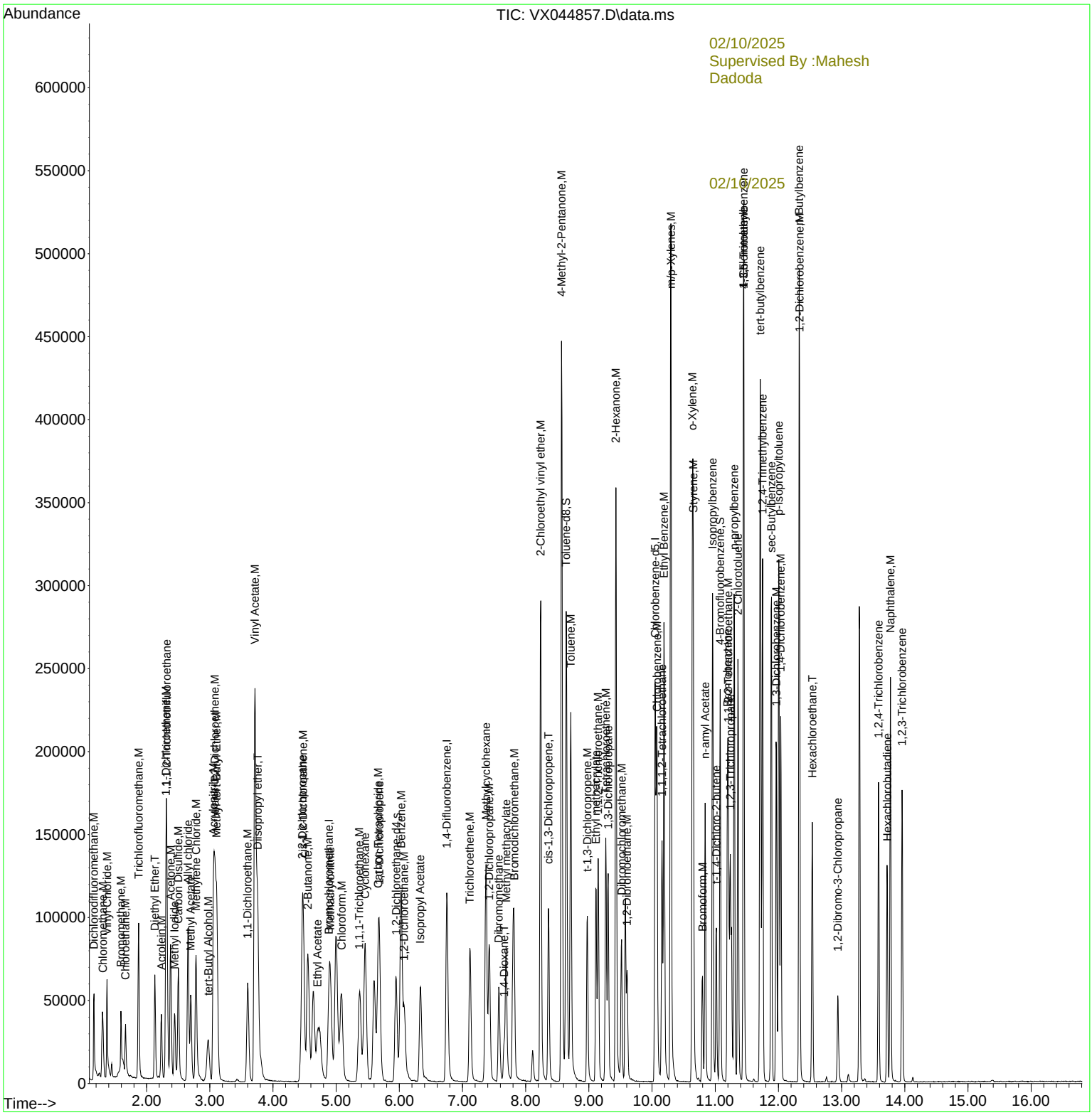
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044857.D
Acq On : 07 Feb 2025 10:33
Operator : JC/MD
Sample : VX0207WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 22:11:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone



Raw Data: **VX044858.D**

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

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	
Project:	Transfer Station-SPDES	Date Received:	
Client Sample ID:	VX0207WBSD01	SDG No.:	Q1316
Lab Sample ID:	VX0207WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044858.D	1		02/07/25 11:01	VX020725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	21.6		0.69	5.00	ug/L
108-88-3	Toluene	20.7		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	20.8		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	42.8		1.70	10.0	ug/L
95-47-6	o-Xylene	21.2		0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.4		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	29.3		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.1		63 - 112	97%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	19400	4.891			
540-36-3	1,4-Difluorobenzene	109000	6.757			
3114-55-4	Chlorobenzene-d5	100000	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\VX020725\
Data File : VX044858.D
Acq On : 07 Feb 2025 11:01
Operator : JC/MD
Sample : VX0207WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 22:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	19387	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	108776	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	100274	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	54944	29.357	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.867%			
60) 4-Bromofluorobenzene	11.079	95	56701	29.112	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.033%			
63) Toluene-d8	8.641	98	159762	29.293	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.633%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	33152	19.233	ug/l	99
3) Chloromethane	1.307	50	38966	21.490	ug/l	100
4) Vinyl Chloride	1.374	62	37050	20.884	ug/l	95
5) Bromomethane	1.593	94	11280	26.308	ug/l	98
6) Chloroethane	1.666	64	16532	58.771	ug/l	98
7) Trichlorofluoromethane	1.874	101	50189	25.832	ug/l	99
8) Diethyl Ether	2.130	74	18178	24.253	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.319	101	30827	22.147	ug/l	98
10) 1,1-Dichloroethene	2.313	96	29538	20.627	ug/l	96
11) Methyl Iodide	2.441	142	40268	20.292	ug/l	98
12) Methyl Acetate	2.703	43	56433	26.994	ug/l	97
13) Acrolein	2.233	56	26121	112.982	ug/l	95
14) Acrylonitrile	3.062	53	94236	123.702	ug/l	99
15) Acetone	2.380	58	24954	122.075	ug/l	93
16) Carbon Disulfide	2.502	76	76823	19.304	ug/l	99
17) Allyl chloride	2.654	41	55543	21.508	ug/l	98
18) Methylene Chloride	2.782	84	34295	21.400	ug/l	99
19) trans-1,2-Dichloroethene	3.081	96	29580	20.774	ug/l	94
20) Diisopropyl ether	3.757	45	107582	22.952	ug/l	98
21) 1,1-Dichloroethane	3.599	63	60203	21.652	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	36815	20.890	ug/l	99
23) tert-Butyl Alcohol	2.977	59	38849	105.436	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	102320	20.622	ug/l	98
25) Chloroform	5.086	83	58027	21.003	ug/l	96
26) Cyclohexane	5.458	56	52961	22.663	ug/l #	95
29) 1,1-Dichloropropene	5.684	75	39119	20.676	ug/l	98
30) 2-Butanone	4.550	43	128179	123.328	ug/l	98
31) 2,2-Dichloropropane	4.458	77	48388	18.481	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	48894	19.500	ug/l	98
33) Carbon Tetrachloride	5.666	117	40187	19.000	ug/l	98
34) Benzene	6.031	78	130454	21.611	ug/l	99
35) Methacrylonitrile	4.916	41	26704	22.989	ug/l	99
36) 1,2-Dichloroethane	6.080	62	43210	20.021	ug/l	98
37) Trichloroethene	7.123	130	29485	20.231	ug/l	98
38) Methylcyclohexane	7.373	83	55315	21.518	ug/l	99
39) 1,2-Dichloropropane	7.427	63	32668	21.702	ug/l	99
40) Dibromomethane	7.574	93	22946	20.504	ug/l	99
41) Bromodichloromethane	7.818	83	45864	19.848	ug/l	95
42) Vinyl Acetate	3.715	43	431167	104.461	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044858.D
Acq On : 07 Feb 2025 11:01
Operator : JC/MD
Sample : VX0207WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 22:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	4.708	43	48725	23.899 ug/l #	94
44) Isopropyl Acetate	6.336	43	79155	21.611 ug/l	98
45) 1,4-Dioxane	7.659	88	16942	485.762 ug/l	97
46) Methyl methacrylate	7.690	41	36954	20.612 ug/l	98
47) n-amyl Acetate	10.841	43	66257	21.555 ug/l	99
48) t-1,3-Dichloropropene	8.976	75	44947	18.429 ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	51060	19.524 ug/l	97
50) 1,1,2-Trichloroethane	9.147	97	31771	22.044 ug/l	99
51) Ethyl methacrylate	9.116	69	50623	20.219 ug/l	96
52) 1,3-Dichloropropane	9.305	76	53944	21.640 ug/l	98
53) Dibromochloromethane	9.519	129	32787	19.037 ug/l	95
54) 1,2-Dibromoethane	9.604	107	32244	21.163 ug/l	96
55) 2-Chloroethyl vinyl ether	8.238	63	112529	92.629 ug/l	98
56) Bromoform	10.799	173	21858	19.140 ug/l	99
58) 4-Methyl-2-Pentanone	8.567	43	258658	122.376 ug/l	97
59) 2-Hexanone	9.427	43	189107	122.210 ug/l	97
61) Tetrachloroethene	9.269	164	24082	20.021 ug/l	98
62) Toluene	8.714	91	136850	20.726 ug/l	98
64) Chlorobenzene	10.073	112	84973	20.722 ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	27909	18.947 ug/l	98
66) Ethyl Benzene	10.189	91	149546	20.754 ug/l	100
67) m/p-Xylenes	10.299	106	113258	42.760 ug/l	98
68) o-Xylene	10.640	106	56236	21.154 ug/l	97
69) Styrene	10.652	104	94141	21.569 ug/l	98
70) Isopropylbenzene	10.957	105	142933	21.388 ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	51489	22.919 ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	40966m	21.674 ug/l	
73) Bromobenzene	11.195	156	33221	21.339 ug/l	96
74) n-propylbenzene	11.299	91	168630	22.215 ug/l	99
75) 2-Chlorotoluene	11.360	91	103153	21.615 ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	118855	21.900 ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	15355	17.172 ug/l	95
78) 4-Chlorotoluene	11.451	91	114553	21.785 ug/l	98
79) tert-butylbenzene	11.713	119	121630	21.815 ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	118764	21.689 ug/l	97
81) sec-Butylbenzene	11.890	105	152536	22.911 ug/l	98
82) p-Isopropyltoluene	12.006	119	123258	22.495 ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	60048	21.715 ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	59871	22.086 ug/l	98
85) n-Butylbenzene	12.329	91	108739	22.894 ug/l	99
86) Hexachloroethane	12.536	117	21606	17.925 ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	61041	22.105 ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	9695	17.917 ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	34997	20.394 ug/l	99
90) Hexachlorobutadiene	13.719	225	14429	21.738 ug/l	97
91) Naphthalene	13.774	128	133421	20.782 ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	36308	20.802 ug/l	100

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

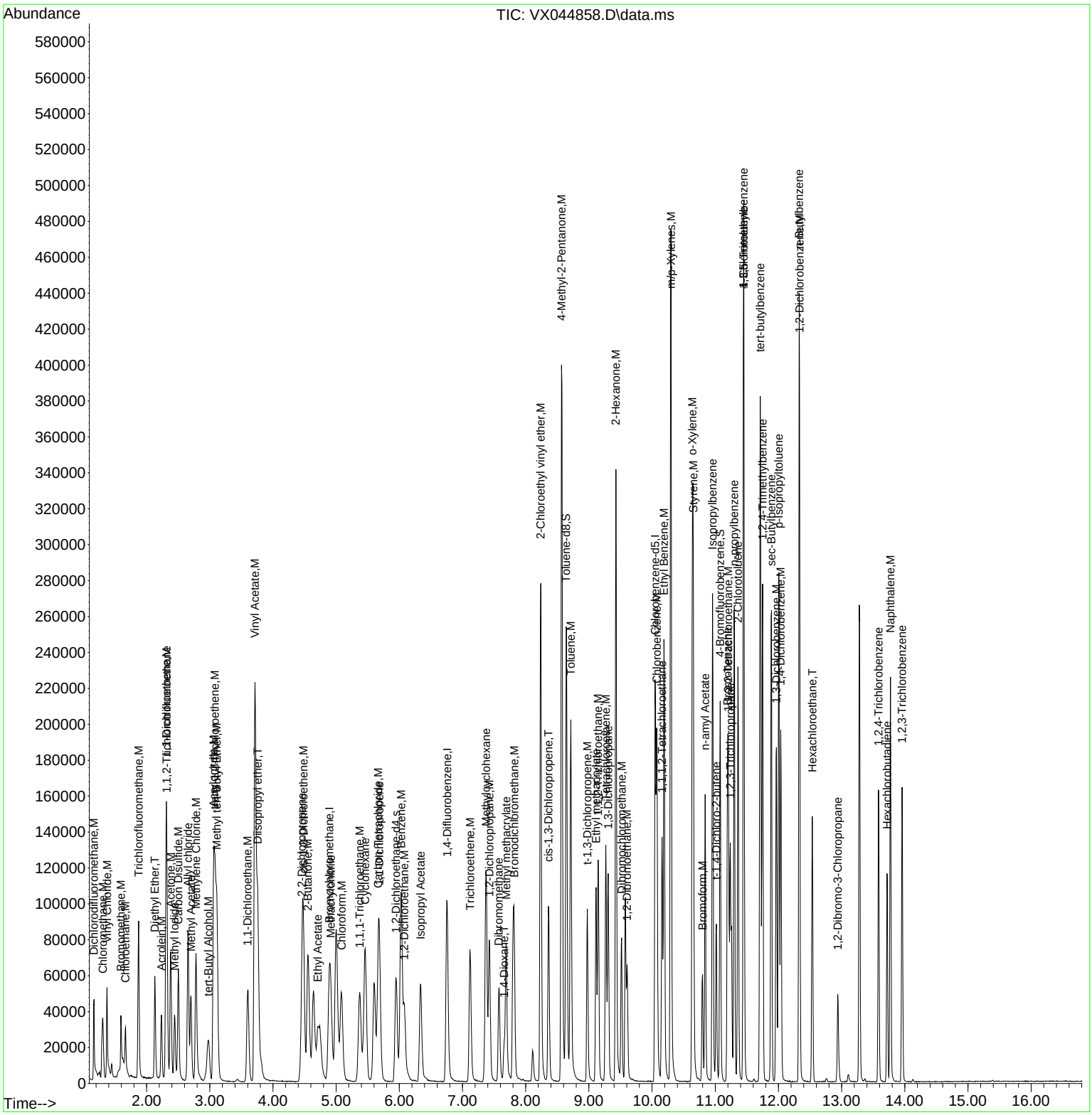
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044858.D
Acq On : 07 Feb 2025 11:01
Operator : JC/MD
Sample : VX0207WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 22:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



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

Manual Integration Report

Sequence:	VX011625	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

Manual Integration Report

Sequence:	VX020725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VX044856.D	1,2,3-Trichloropropane	JOHN	2/10/2025 9:35:56 AM	MMDadoda	2/10/2025 10:12:36 AM	Peak Integrated by Software
VX0207WBS01	VX044857.D	1,2,3-Trichloropropane	JOHN	2/10/2025 9:36:00 AM	MMDadoda	2/10/2025 10:12:38 AM	Peak Integrated by Software
VX0207WBSD01	VX044858.D	1,2,3-Trichloropropane	JOHN	2/10/2025 9:36:04 AM	MMDadoda	2/10/2025 10:12:40 AM	Peak Integrated by Software
VSTDCCC020	VX044866.D	1,2,3-Trichloropropane	JOHN	2/10/2025 9:36:14 AM	MMDadoda	2/10/2025 10:12:47 AM	Peak Integrated by Software

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 # VX011625

Review By	Mahesh Dadoda	Review On	1/17/2025 6:39:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/17/2025 6:41:46 AM		
SubDirectory	VX011625	HP Acquire Method		HP Processing Method	624X011625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132565
Initial Calibration Stds	VP132567,VP132568,VP132569,VP132570,VP132571
CCC	VP132566,VP132573
Internal Standard/PEM	
ICV/I.BLK	VP132572
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044658.D	16 Jan 2025 08:02		Ok
2	VSTDICC005	VX044659.D	16 Jan 2025 08:39		Ok,M
3	VSTDICCC020	VX044660.D	16 Jan 2025 09:02		Ok,M
4	VSTDICC050	VX044661.D	16 Jan 2025 09:25		Ok,M
5	VSTDICC100	VX044662.D	16 Jan 2025 09:49		Ok,M
6	VSTDICC150	VX044663.D	16 Jan 2025 10:12		Ok,M
7	IBLK	VX044664.D	16 Jan 2025 10:35		Ok
8	VSTDICV020	VX044665.D	16 Jan 2025 11:45		Ok,M
9	VX0116WBS01	VX044666.D	16 Jan 2025 12:15		Ok,M
10	VX0116WBSD01	VX044667.D	16 Jan 2025 12:42		Ok,M
11	VX0116WBL01	VX044668.D	16 Jan 2025 13:05		Ok
12	Q1083-01	VX044669.D	16 Jan 2025 13:33		Ok
13	Q1083-02	VX044670.D	16 Jan 2025 13:55		Ok
14	IBLK	VX044671.D	16 Jan 2025 14:18		Ok
15	P4368-09 2.5PPB	VX044672.D	16 Jan 2025 14:46		Ok,M
16	VSTDCCC020	VX044673.D	16 Jan 2025 16:04		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 # VX020725

Review By	John Carlone	Review On	2/7/2025 1:17:07 PM		
Supervise By	Mahesh Dadoda	Supervise On	2/10/2025 10:12:33 AM		
SubDirectory	VX020725	HP Acquire Method		HP Processing Method	624X011625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132924
Initial Calibration Stds	
CCC	VP132925,VP132926
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044855.D	07 Feb 2025 09:33	JC/MD	Ok
2	VSTDCCC020	VX044856.D	07 Feb 2025 10:01	JC/MD	Ok,M
3	VX0207WBS01	VX044857.D	07 Feb 2025 10:33	JC/MD	Ok,M
4	VX0207WBSD01	VX044858.D	07 Feb 2025 11:01	JC/MD	Ok,M
5	VX0207WBL01	VX044859.D	07 Feb 2025 11:24	JC/MD	Ok
6	Q1319-01	VX044860.D	07 Feb 2025 11:53	JC/MD	Ok,M
7	Q1319-02	VX044861.D	07 Feb 2025 12:16	JC/MD	Ok
8	Q1316-01	VX044862.D	07 Feb 2025 12:39	JC/MD	Ok
9	Q1316-02	VX044863.D	07 Feb 2025 13:02	JC/MD	Ok
10	IBLK	VX044864.D	07 Feb 2025 13:25	JC/MD	Ok
11	Q1322-01	VX044865.D	07 Feb 2025 13:48	JC/MD	Ok,M
12	VSTDCCC020	VX044866.D	07 Feb 2025 15:43	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 # VX011625

Review By	Mahesh Dadoda	Review On	1/17/2025 6:39:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/17/2025 6:41:46 AM		
SubDirectory	VX011625	HP Acquire Method		HP Processing Method	624X011625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132565
Initial Calibration Stds	VP132567,VP132568,VP132569,VP132570,VP132571
CCC	VP132566,VP132573
Internal Standard/PEM	
ICV/I.BLK	VP132572
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044658.D	16 Jan 2025 08:02			Ok
2	VSTDICC005	VSTDICC005	VX044659.D	16 Jan 2025 08:39	V13516		Ok,M
3	VSTDICCC020	VSTDICCC020	VX044660.D	16 Jan 2025 09:02			Ok,M
4	VSTDICC050	VSTDICC050	VX044661.D	16 Jan 2025 09:25			Ok,M
5	VSTDICC100	VSTDICC100	VX044662.D	16 Jan 2025 09:49			Ok,M
6	VSTDICC150	VSTDICC150	VX044663.D	16 Jan 2025 10:12			Ok,M
7	IBLK	IBLK	VX044664.D	16 Jan 2025 10:35			Ok
8	VSTDICV020	ICVVX011625	VX044665.D	16 Jan 2025 11:45			Ok,M
9	VX0116WBS01	VX0116WBS01	VX044666.D	16 Jan 2025 12:15			Ok,M
10	VX0116WBSD01	VX0116WBSD01	VX044667.D	16 Jan 2025 12:42			Ok,M
11	VX0116WBL01	VX0116WBL01	VX044668.D	16 Jan 2025 13:05			Ok
12	Q1083-01	001-WILLETS-PT-BLVD	VX044669.D	16 Jan 2025 13:33	vial A pH<2		Ok
13	Q1083-02	002-35TH-AVE(DEC)	VX044670.D	16 Jan 2025 13:55	vial A pH<2		Ok
14	IBLK	IBLK	VX044671.D	16 Jan 2025 14:18			Ok
15	P4368-09 2.5PPB	MDL-WATER-03-QT4-2	VX044672.D	16 Jan 2025 14:46			Ok,M
16	VSTDCCC020	VSTDCCC020EC	VX044673.D	16 Jan 2025 16:04			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 # VX020725

Review By	John Carlone	Review On	2/7/2025 1:17:07 PM		
Supervise By	Mahesh Dadoda	Supervise On	2/10/2025 10:12:33 AM		
SubDirectory	VX020725	HP Acquire Method		HP Processing Method	624X011625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132924
Initial Calibration Stds	
CCC	VP132925,VP132926
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	VX044855.D	07 Feb 2025 09:33		JC/MD	Ok
2	VSTDCCC020	VSTDCCC020	VX044856.D	07 Feb 2025 10:01	V13516	JC/MD	Ok,M
3	VX0207WBS01	VX0207WBS01	VX044857.D	07 Feb 2025 10:33		JC/MD	Ok,M
4	VX0207WBSD01	VX0207WBSD01	VX044858.D	07 Feb 2025 11:01		JC/MD	Ok,M
5	VX0207WBL01	VX0207WBL01	VX044859.D	07 Feb 2025 11:24		JC/MD	Ok
6	Q1319-01	001-WILLETS-PT-BLVD	VX044860.D	07 Feb 2025 11:53	vial A pH<2	JC/MD	Ok,M
7	Q1319-02	002-35TH-AVE(JAN)	VX044861.D	07 Feb 2025 12:16	vial A pH<2	JC/MD	Ok
8	Q1316-01	001-WILLETS-PT-BLVD	VX044862.D	07 Feb 2025 12:39	vial A pH<2	JC/MD	Ok
9	Q1316-02	002-35TH-AVE(FEB)	VX044863.D	07 Feb 2025 13:02	vial A pH<2	JC/MD	Ok
10	IBLK	IBLK	VX044864.D	07 Feb 2025 13:25		JC/MD	Ok
11	Q1322-01	MANHOLE	VX044865.D	07 Feb 2025 13:48	vial A pH<2	JC/MD	Ok,M
12	VSTDCCC020	VSTDCCC020EC	VX044866.D	07 Feb 2025 15:43		JC/MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q13116/18
COC Number 2046359

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Tully Environmental Inc
ADDRESS: 57 Seaview Blvd
CITY Pt Washington STATE: NY ZIP: 11050
ATTENTION: D Deroc
PHONE: 718 446 2000 FAX: 718 446 1484

CLIENT PROJECT INFORMATION

PROJECT NAME: Transfer Station SPDES
PROJECT NO.: 252113 LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

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: Cu Fe Pb
2: 8605
3: TSS
4: Hg 1631 LL
5: BTEX
6: 0&G / Ammonia
7:
8:
9:

ALLIANCE 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.	001 Willets Pt Blvd (Feb)	W		X	2/5	130	10	X	X	X	X	X	X				
2.	002 35th Ave (Feb)	W		X	2/5	130	10	X	X	X	X	X	X				
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. D Deroc	2/5/25	1.
2. FedEx	1-6-25 1042	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.9-C °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

CHEMTECH 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1316 TULL01
Client Name : Tully Environmental, Inc
Client Contact : Dean Devoe
Invoice Name : Tully Environmental, Inc
Invoice Contact : Dean Devoe

Order Date : 2/6/2025 10:57:00 AM
Project Name : Transfer Station-SPDES
Receive DateTime : 2/6/2025 10:42:00 AM
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q1316-01	001-WILLETS-PT-BLVD(FEB)	Water	02/05/2025	13:30						
					VOC-BTEX		624.1	~~1~~ Bus. Day		10 Days
Q1316-02	002-35TH-AVE(FEB)	Water	02/05/2025	13:30						
					VOC-BTEX		624.1	~~1~~ Bus. Day		

Relinguished By :
Date / Time : 1/6/25 11:35

Received By :
Date / Time : 1/6/25 11:35

Storage Area : VOA Refridgerator Room