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

Cover Page

Order ID : P4967

Project ID : Transfer Station-SPDES

Client : Tully Environmental, Inc

Lab Sample Number	Client Sample Number
P4967-01	001-WILLETS-PT-BLVD
P4967-02	002-35TH-AVE

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: 11/26/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4967**

	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:** **11/26/2024**

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LAB CHRONICLE

OrderID:	P4967	**OrderDate:**	11/22/2024 11:12:00 AM
Client:	Tully Environmental, Inc	**Project:**	Transfer Station-SPDES
Contact:	Dean Devoe	**Location:**	L51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4967-01	**001-WILLETS-PT-BLVD**	**Water**			**11/21/24**			**11/22/24**
			VOC-BTEX	624.1			11/25/24	
P4967-02	**002-35TH-AVE**	**Water**			**11/21/24**			**11/22/24**
			VOC-BTEX	624.1			11/25/24	

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Hit Summary Sheet
SW-846

SDG No.: P4967

Client: Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**001-WILLETS-PT-BLVD**							
P4967-01	001-WILLETS-PT-I	Water	Toluene	18.6		0.72	5.00	ug/L
			Total Voc :	18.6				
			Total Concentration:	18.6				
Client ID:	**002-35TH-AVE**							
P4967-02	002-35TH-AVE	Water	Toluene	32.7		0.72	5.00	ug/L
			Total Voc :	32.7				
			Total Concentration:	32.7				

QC SUMMARY

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Surrogate Summary

SDG No.: P4967

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4967-01	001-WILLETS-PT-BLVD	1,2-Dichloroethane-d4	30	28.3	94	91	110
		Toluene-d8	30	28.4	95	91	112
		4-Bromofluorobenzene	30	25.7	86	63	112
P4967-02	002-35TH-AVE	1,2-Dichloroethane-d4	30	31.4	105	91	110
		Toluene-d8	30	27.7	92	91	112
		4-Bromofluorobenzene	30	25.0	83	63	112
VN1125WBL01	VN1125WBL01	1,2-Dichloroethane-d4	30	30.7	102	91	110
		Toluene-d8	30	28.6	95	91	112
		4-Bromofluorobenzene	30	25.2	84	63	112
VN1125WBS01	VN1125WBS01	1,2-Dichloroethane-d4	30	29.6	99	91	110
		Toluene-d8	30	29.5	98	91	112
		4-Bromofluorobenzene	30	29.6	99	63	112
VN1125WBSD0	VN1125WBSD01	1,2-Dichloroethane-d4	30	29.2	97	91	110
		Toluene-d8	30	29.4	98	91	112
		4-Bromofluorobenzene	30	30.5	102	63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4967

Client: Tully Environmental, Inc

Analytical Method: SW624.1 **Datafile :** VN085023.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1125WBS01	Benzene	20	18.4	ug/L	92			65	135	
	Toluene	20	18.2	ug/L	91			70	130	
	Ethyl Benzene	20	17.9	ug/L	90			60	140	
	m/p-Xylenes	40	36.4	ug/L	91			87	111	
	o-Xylene	20	17.8	ug/L	89			87	111	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4967

Client: Tully Environmental, Inc

Analytical Method: SW624.1 **Datafile :** VN085024.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1125WBSD01	Benzene	20	19.9	ug/L	100	8		65	135	20
	Toluene	20	19.6	ug/L	98	7		70	130	20
	Ethyl Benzene	20	19.4	ug/L	97	7		60	140	20
	m/p-Xylenes	40	39.5	ug/L	99	8		87	111	20
	o-Xylene	20	20.3	ug/L	102	14		87	111	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1125WBL01

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: P4967 SAS No.: P4967 SDG NO.: P4967

Lab File ID: VN085025.D Lab Sample ID: VN1125WBL01

Date Analyzed: 11/25/2024 Time Analyzed: 12:39

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1125WBS01	VN1125WBS01	VN085023.D	11/25/2024
VN1125WBSD01	VN1125WBSD01	VN085024.D	11/25/2024
001-WILLETS-PT-BLVD	P4967-01	VN085026.D	11/25/2024
002-35TH-AVE	P4967-02	VN085027.D	11/25/2024

COMMENTS:

Raw Data: **VN084612.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: P4967 SAS No.: P4967 SDG NO.: P4967

Lab File ID: VN084612.D BFB Injection Date: 10/31/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:56

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.6 (7.5) 1
176	95.0 - 101.0% of mass 174	72.1 (97.5) 1
177	5.0 - 9.0% of mass 176	4.7 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN084613.D	10/31/2024	12:08
VSTDICCC020	VSTDICCC020	VN084614.D	10/31/2024	12:32
VSTDICC050	VSTDICC050	VN084615.D	10/31/2024	12:56
VSTDICC100	VSTDICC100	VN084616.D	10/31/2024	13:20
VSTDICC150	VSTDICC150	VN084617.D	10/31/2024	13:44

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: P4967 SAS No.: P4967 SDG NO.: P4967

Lab File ID: VN085021.D BFB Injection Date: 11/25/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:26

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	52.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.6 (7.4) 1
176	95.0 - 101.0% of mass 174	73.2 (96.4) 1
177	5.0 - 9.0% of mass 176	4.5 (6.2) 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	VN085022.D	11/25/2024	10:59
VN1125WBS01	VN1125WBS01	VN085023.D	11/25/2024	11:35
VN1125WBSD01	VN1125WBSD01	VN085024.D	11/25/2024	12:15
VN1125WBL01	VN1125WBL01	VN085025.D	11/25/2024	12:39
001-WILLETS-PT-BLVD	P4967-01	VN085026.D	11/25/2024	13:14
002-35TH-AVE	P4967-02	VN085027.D	11/25/2024	13:38

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: P4967 SAS No.: P4967 SDG NO.: P4967

Lab File ID: VN085022.D Date Analyzed: 11/25/2024

Instrument ID: MSVOA_N Time Analyzed: 10:59

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	28386	7.81	151585	9.09	140690	11.87
UPPER LIMIT	56772	8.312	303170	9.594	281380	12.365
LOWER LIMIT	14193	7.312	75792.5	8.594	70345	11.365
EPA SAMPLE NO.						
001-WILLETS-PT-BLVD	32568	7.81	164674	9.09	145379	11.87
002-35TH-AVE	23934	7.81	127741	9.10	114318	11.87
VN1125WBL01	24457	7.81	127294	9.09	111508	11.87
VN1125WBS01	29961	7.81	160469	9.09	146596	11.87
VN1125WBSD01	28214	7.81	145410	9.10	133637	11.87

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.: P4967 SAS No.: P4967 SDG NO.: P4967

Lab File ID: VN085022.D Date Analyzed: 11/25/2024

Instrument ID: MSVOA_N Time Analyzed: 10:59

GC Column: RXI-624 ID: 0.25 (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	0	0.00				
002-35TH-AVE	0	0.00				
VN1125WBL01	0	0.00				
VN1125WBS01	0	0.00				
VN1125WBSD01	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: **VN085026.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	11/21/24
Project:	Transfer Station-SPDES	Date Received:	11/22/24
Client Sample ID:	001-WILLETS-PT-BLVD	SDG No.:	P4967
Lab Sample ID:	P4967-01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085026.D	1		11/25/24 13:14	VN112524

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	18.6		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	28.3		91 - 110	94%	SPK: 30
2037-26-5	Toluene-d8	28.4		91 - 112	95%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.7		63 - 112	86%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	32600	7.806			
540-36-3	1,4-Difluorobenzene	165000	9.094			
3114-55-4	Chlorobenzene-d5	145000	11.865			

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: **VN085026.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085026.D
Acq On : 25 Nov 2024 13:14
Operator : JC\MD
Sample : P4967-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

Quant Time: Nov 25 15:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	32568	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	164674	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	145379	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	74069	28.289	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.300%		
60) 4-Bromofluorobenzene	12.847	95	64237	25.662	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	85.533%		
63) Toluene-d8	10.565	98	195474	28.403	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	94.667%		
Target Compounds						Qvalue
15) Acetone	4.424	58	2744m	11.034	ug/l	
25) Chloroform	7.959	83	4251	1.066	ug/l	87
41) Bromodichloromethane	9.882	83	3850	1.301	ug/l #	68
53) Dibromochloromethane	11.353	129	5331	2.460	ug/l	86
56) Bromoform	12.576	173	3101	2.135	ug/l #	98
62) Toluene	10.624	91	154315	18.637	ug/l	100
82) p-Isopropyltoluene	13.729	119	1861	0.285	ug/l	97

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

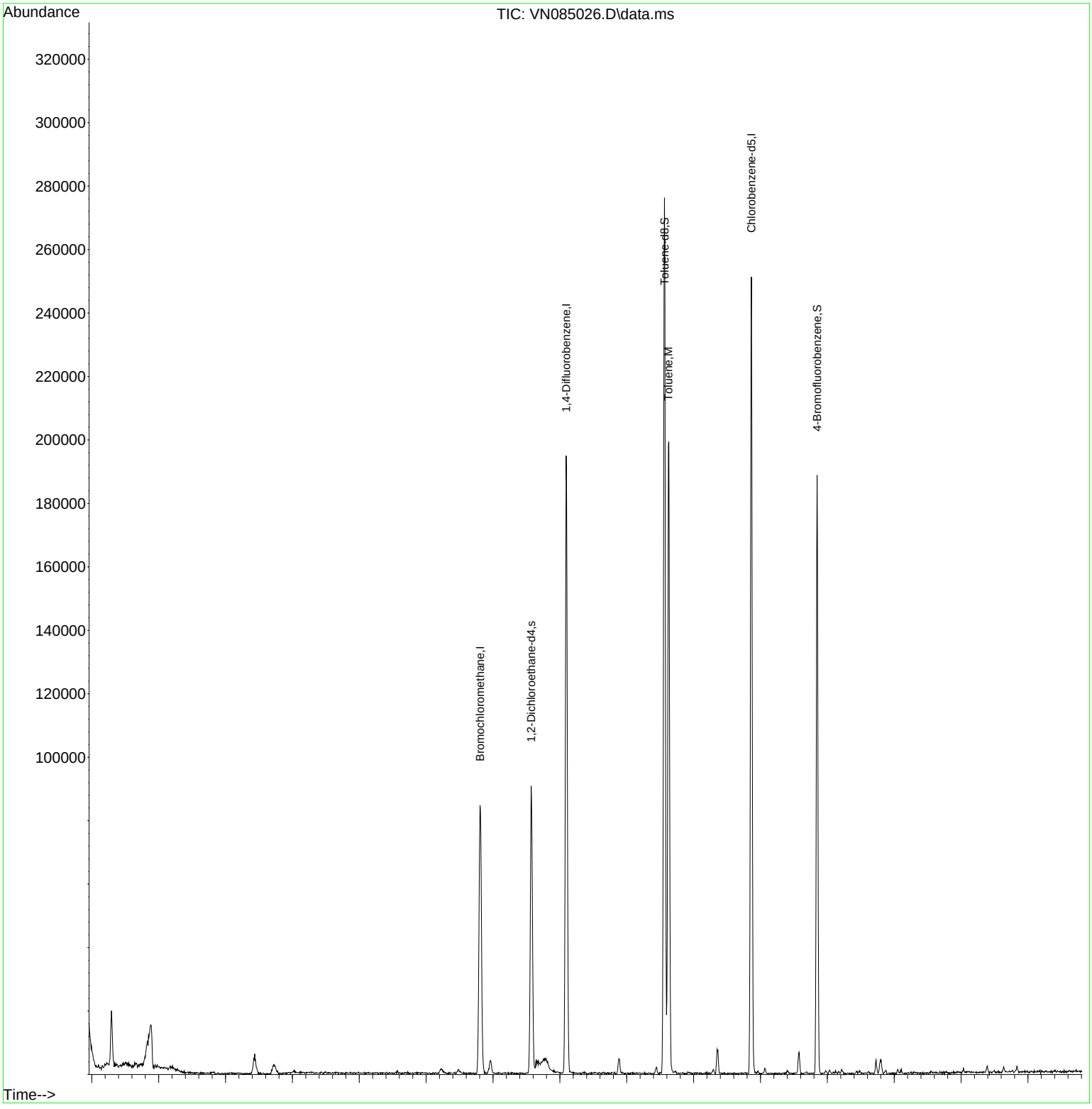
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085026.D
Acq On : 25 Nov 2024 13:14
Operator : JC\MD
Sample : P4967-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

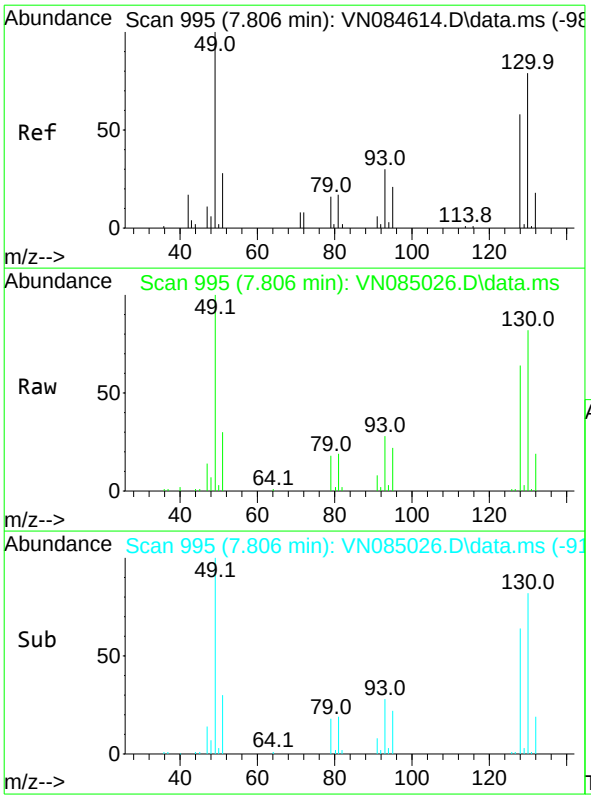
Quant Time: Nov 25 15:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

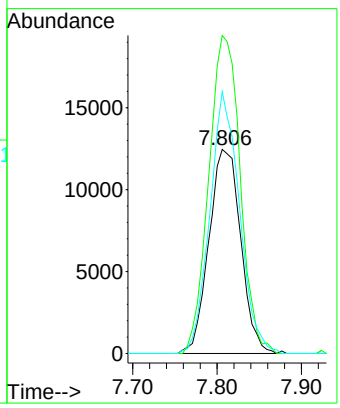
Tgt Ion:128 Resp: 32568

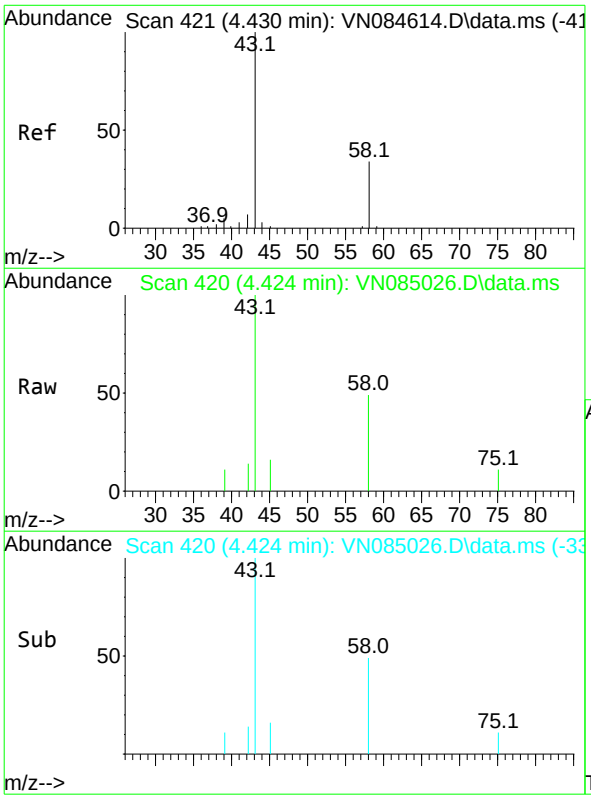
Ion	Ratio	Lower	Upper
128	100		
49	154.3	0.0	427.0
130	120.0	0.0	322.2

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

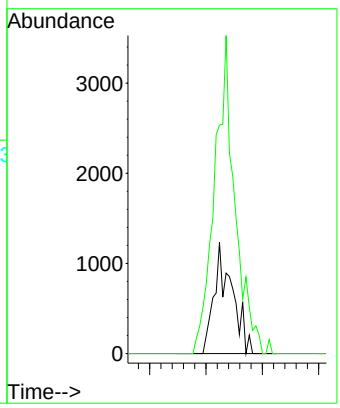


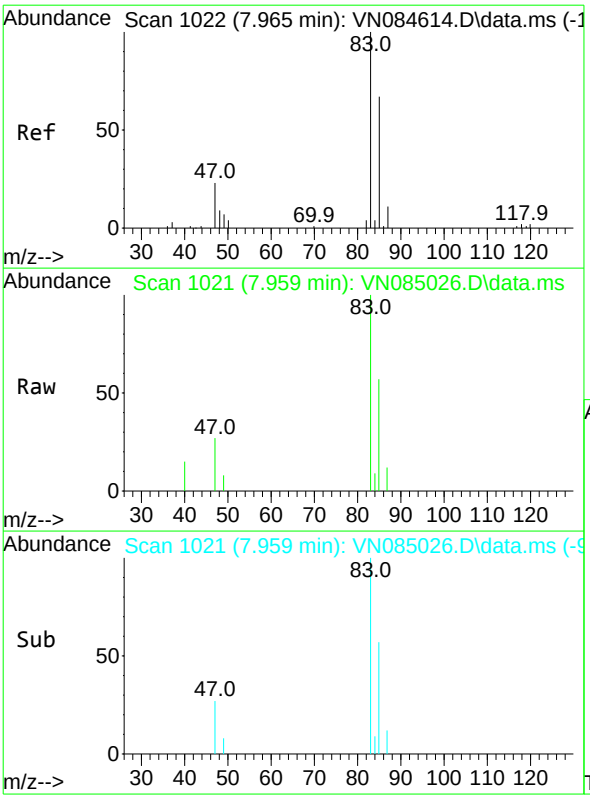


#15
Acetone
Concen: 11.034 ug/l m
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Tgt Ion: 58 Resp: 2744

Ion	Ratio	Lower	Upper
58	100		
43	205.1	233.0	349.6#





#25
Chloroform
Concen: 1.066 ug/l
RT: 7.959 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

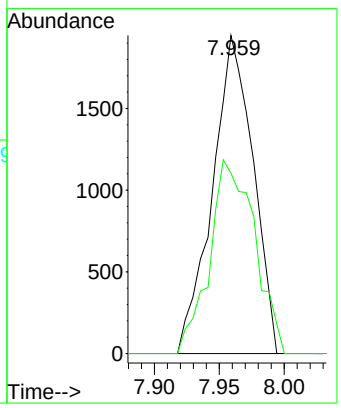
Tgt Ion: 83 Resp: 4251

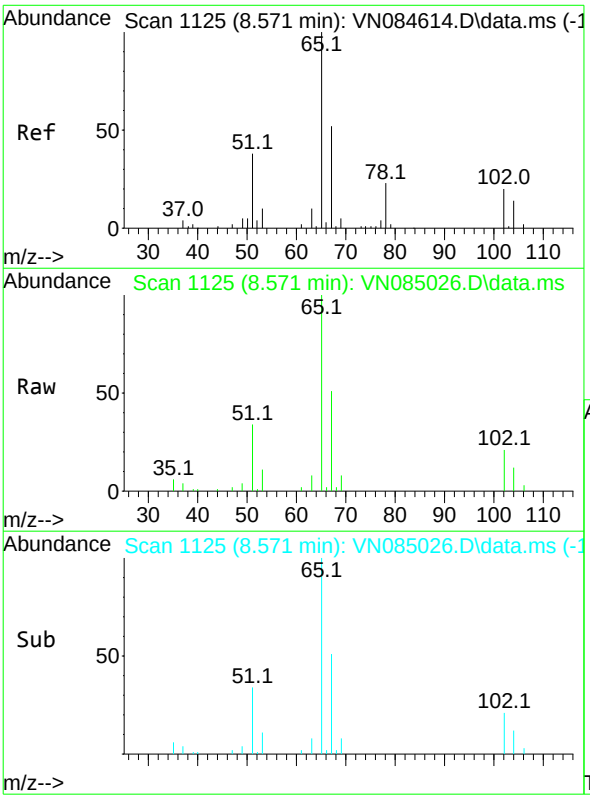
Ion	Ratio	Lower	Upper
83	100		
85	56.7	53.4	80.2

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

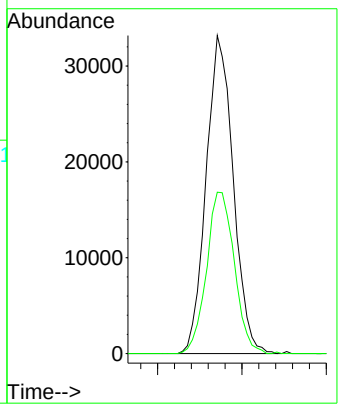


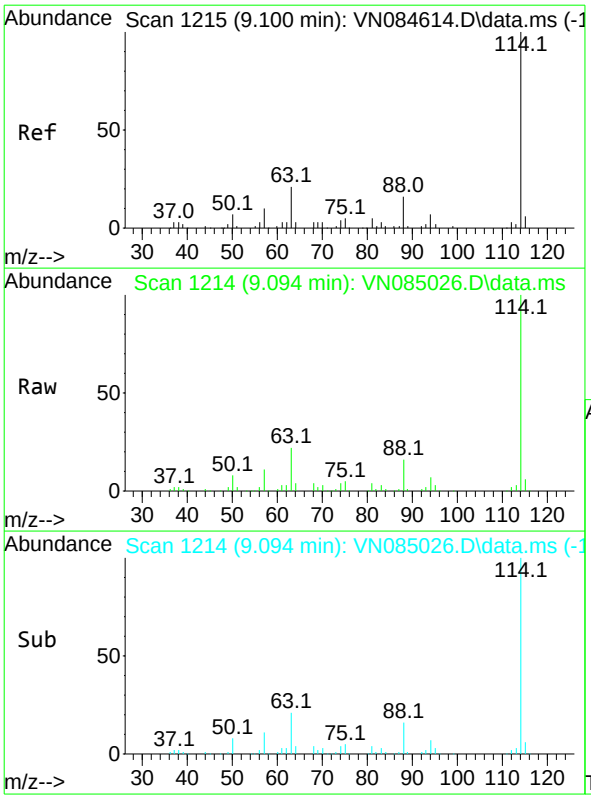


#27
1,2-Dichloroethane-d4
Concen: 28.289 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Tgt Ion: 65 Resp: 74069

Ion	Ratio	Lower	Upper
65	100		
67	52.0	40.7	61.1





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD

Tgt Ion:114 Resp: 164674

Ion	Ratio	Lower	Upper
114	100		
63	21.5	16.8	25.2
88	16.0	12.9	19.3

Manual Integrations
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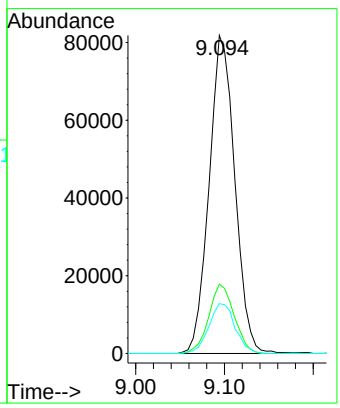
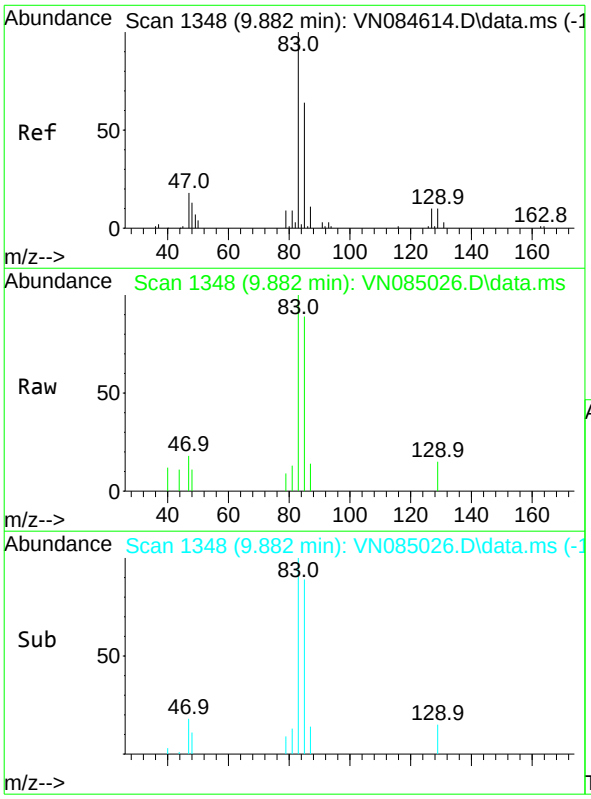
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

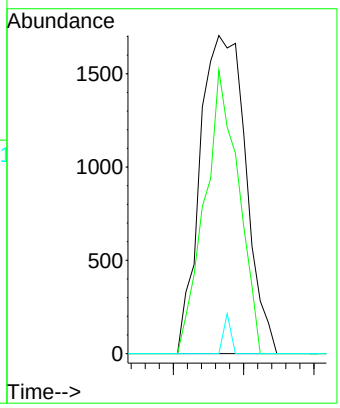


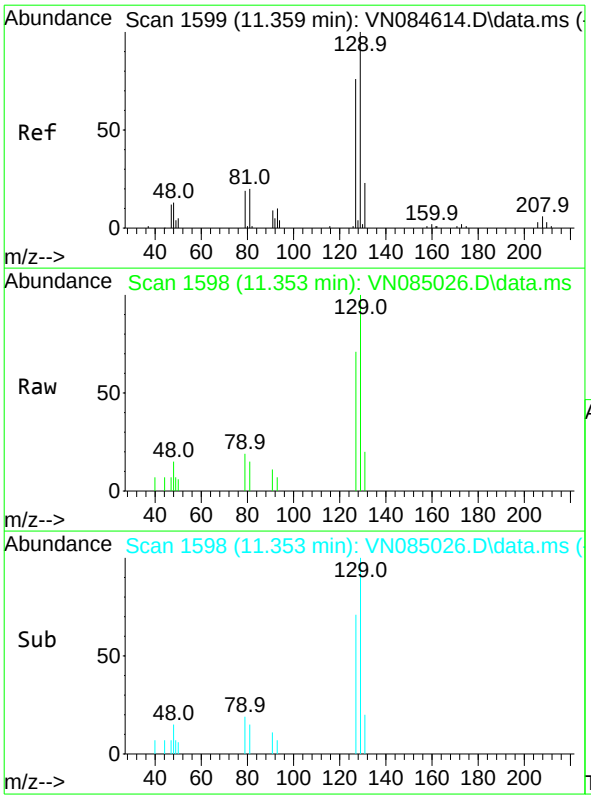


#41
Bromodichloromethane
Concen: 1.301 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Tgt Ion: 83 Resp: 3850

Ion	Ratio	Lower	Upper
83	100		
85	89.0	51.0	76.6#
127	0.0	7.8	11.6#

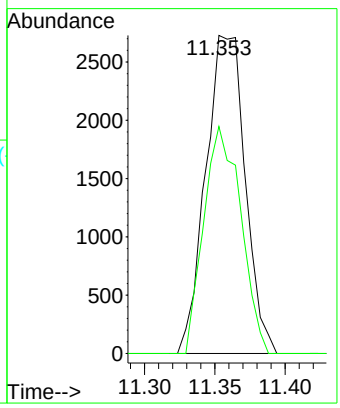




#53
Dibromochloromethane
Concen: 2.460 ug/l
RT: 11.353 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Tgt Ion:129 Resp: 5331

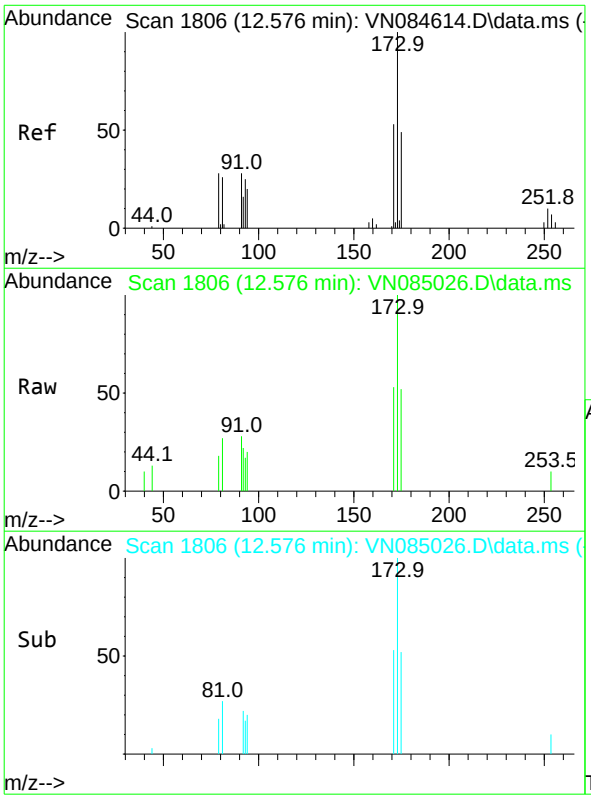
Ion	Ratio	Lower	Upper
129	100		
127	66.9	39.6	119.0



Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD

Manual Integrations
APPROVED

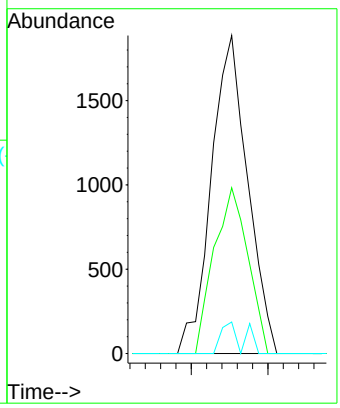
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

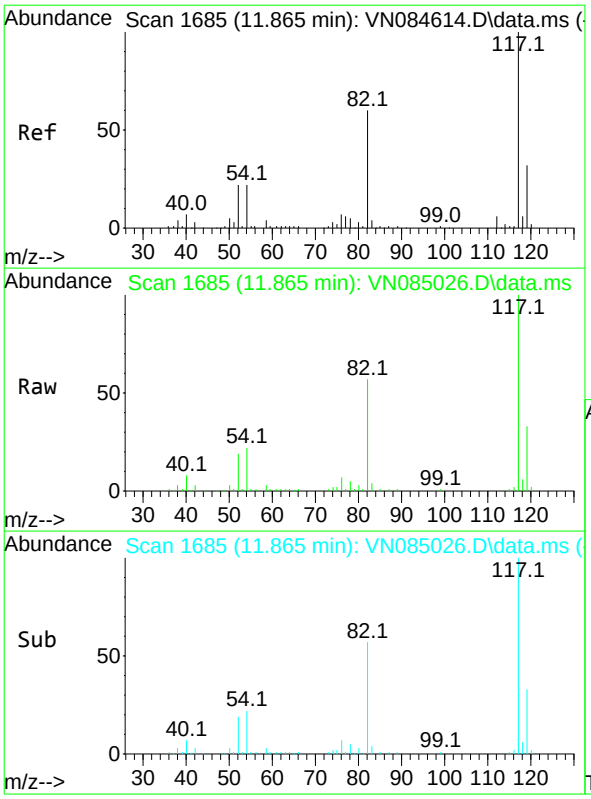


#56
Bromoform
Concen: 2.135 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Tgt Ion:173 Resp: 3101

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.4	59.2
254	3.9	6.4	9.6#

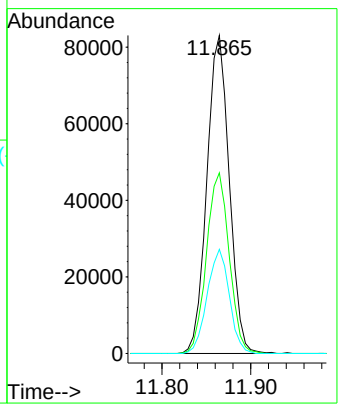




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Tgt Ion:117 Resp: 145379

Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.5	68.3
119	32.4	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD

Manual Integrations
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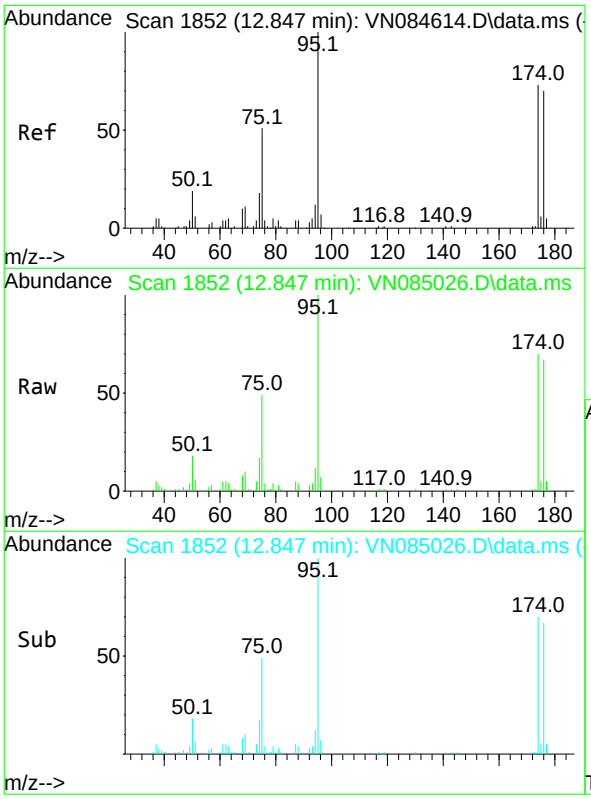
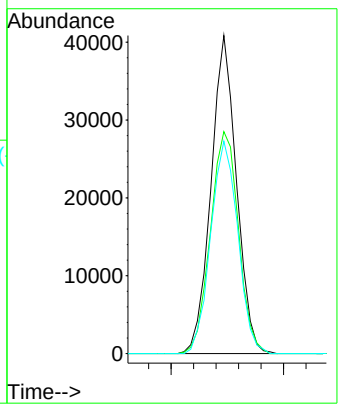
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

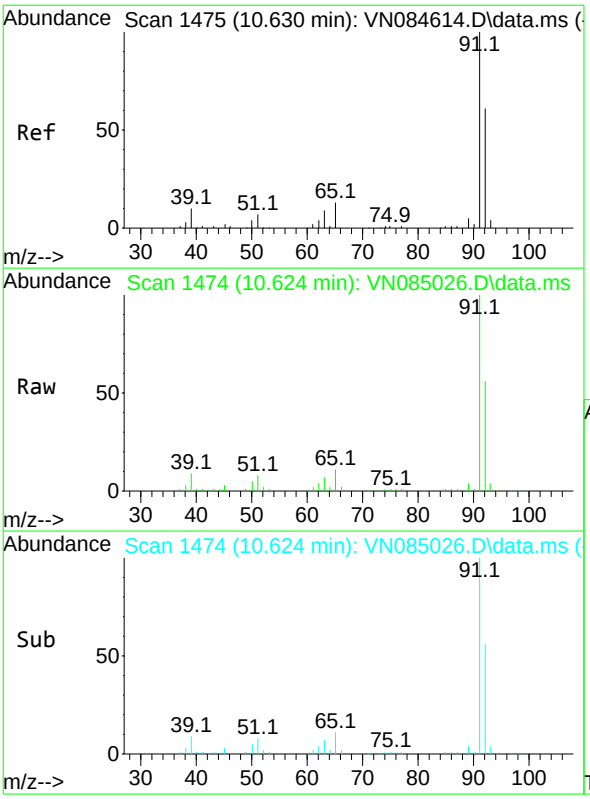


#60
4-Bromofluorobenzene
Concen: 25.662 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Tgt Ion: 95 Resp: 64237

Ion	Ratio	Lower	Upper
95	100		
174	76.9	59.6	89.4
176	71.1	58.6	88.0

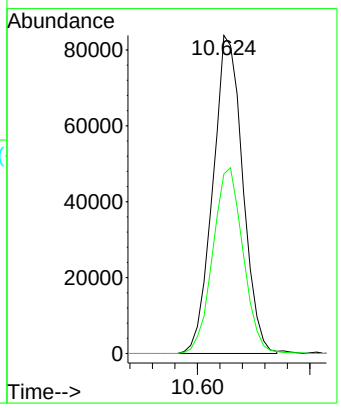




#62
Toluene
Concen: 18.637 ug/l
RT: 10.624 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Tgt Ion: 91 Resp: 154315

Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.5	71.3



Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD

Manual Integrations
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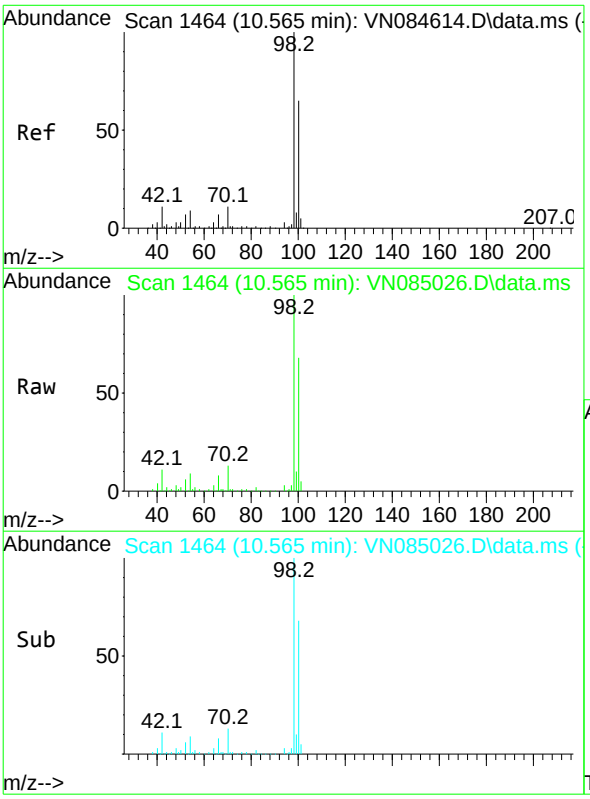
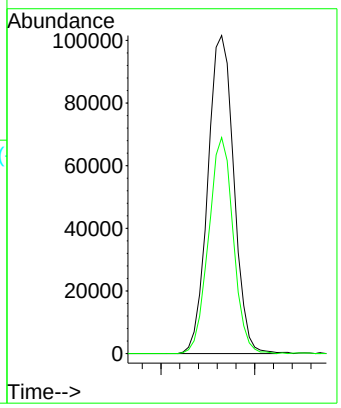
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

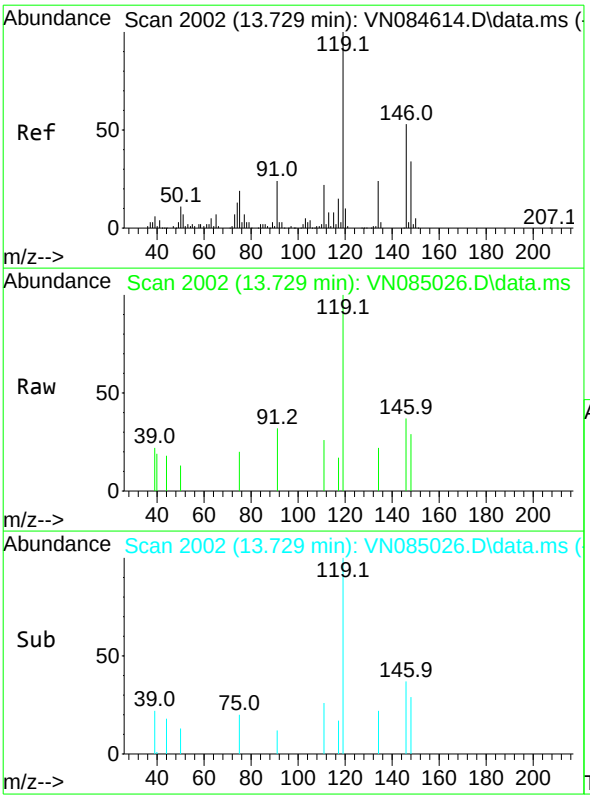


#63
Toluene-d8
Concen: 28.403 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Tgt Ion: 98 Resp: 195474

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2

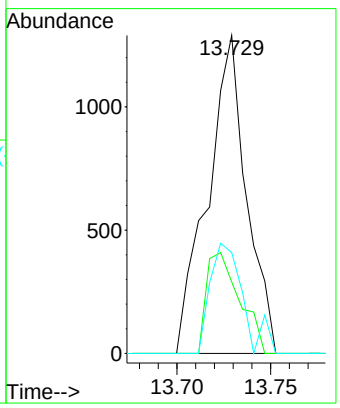




#82
p-Isopropyltoluene
Concen: 0.285 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085026.D
Acq: 25 Nov 2024 13:14

Tgt Ion:119 Resp: 1861

Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	51.4
91	26.3	0.0	50.4



Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

Raw Data: **VN085027.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:	11/21/24
Project:	Transfer Station-SPDES	Date Received:	11/22/24
Client Sample ID:	002-35TH-AVE	SDG No.:	P4967
Lab Sample ID:	P4967-02	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085027.D	1		11/25/24 13:38	VN112524

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	32.7		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	31.4		91 - 110	105%	SPK: 30
2037-26-5	Toluene-d8	27.7		91 - 112	92%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.0		63 - 112	83%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	23900	7.812			
540-36-3	1,4-Difluorobenzene	128000	9.1			
3114-55-4	Chlorobenzene-d5	114000	11.865			

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: **VN085027.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085027.D
Acq On : 25 Nov 2024 13:38
Operator : JC\MD
Sample : P4967-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 15:14:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	23934	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	127741	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	114318	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	60441	31.412	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.700%			
60) 4-Bromofluorobenzene	12.847	95	49205	24.998	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 83.333%			
63) Toluene-d8	10.565	98	149673	27.657	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 92.200%			
Target Compounds						Qvalue
15) Acetone	4.424	58	3850m	21.066	ug/l	
25) Chloroform	7.965	83	4157	1.418	ug/l #	65
41) Bromodichloromethane	9.882	83	3352	1.460	ug/l #	83
53) Dibromochloromethane	11.353	129	4870	2.897	ug/l	84
56) Bromoform	12.576	173	3227	2.864	ug/l #	95
62) Toluene	10.629	91	212631	32.657	ug/l	98

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

Sample Results: **VN085027.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085027.D
Acq On : 25 Nov 2024 13:38
Operator : JC\MD
Sample : P4967-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 15:14:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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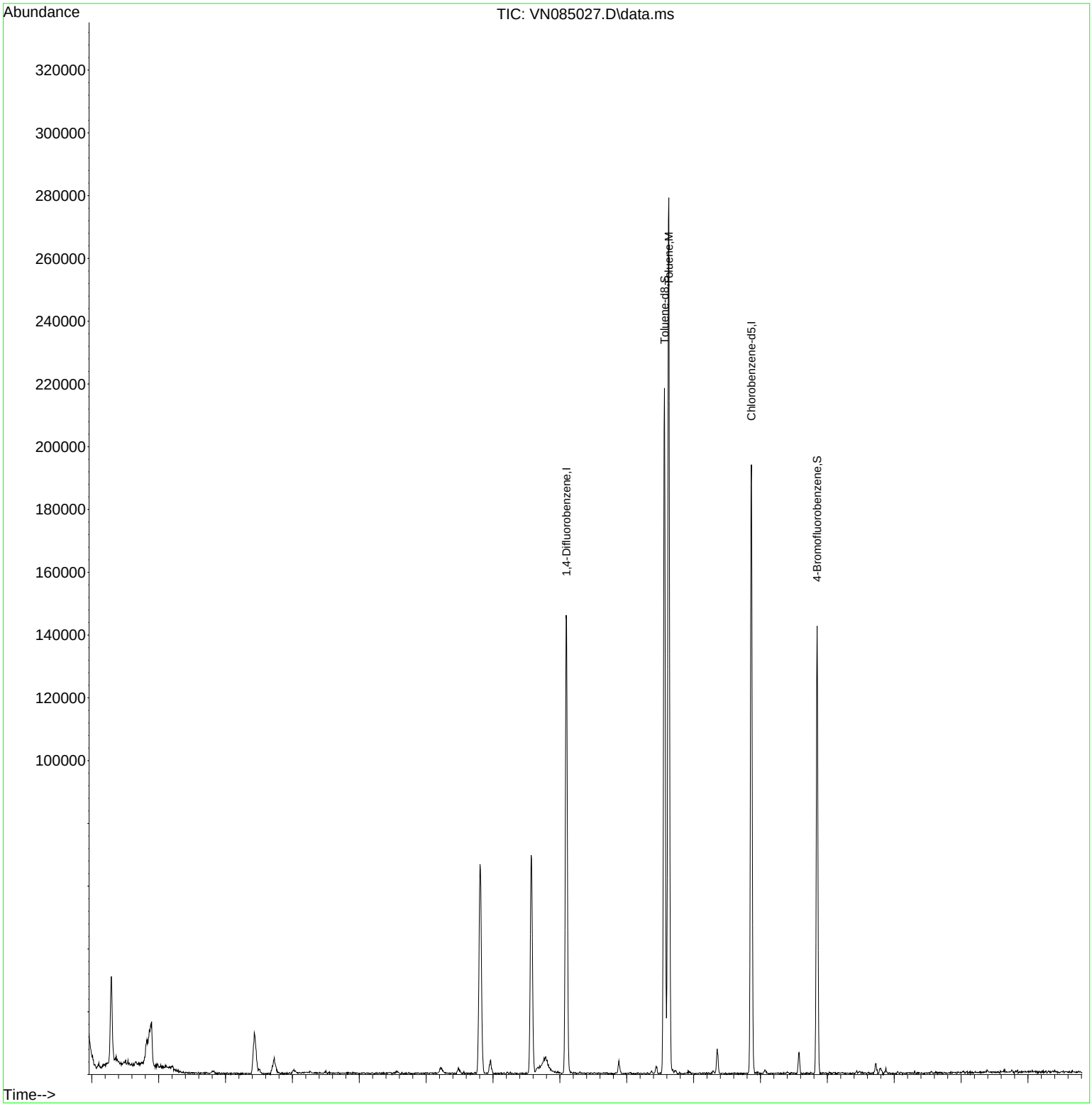
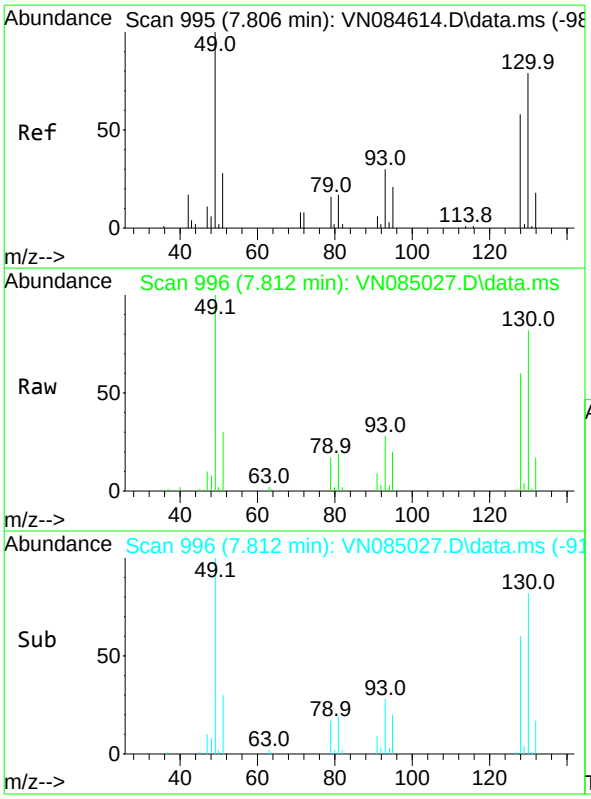
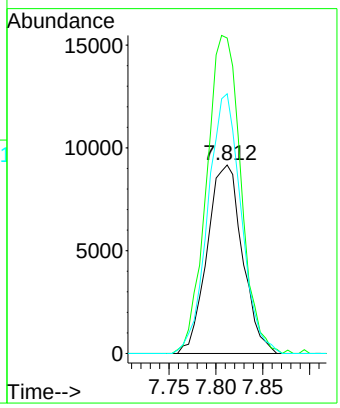




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion:128 Resp: 23934

Ion	Ratio	Lower	Upper
128	100		
49	164.9	0.0	427.0
130	130.8	0.0	322.2



Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE

Manual Integrations
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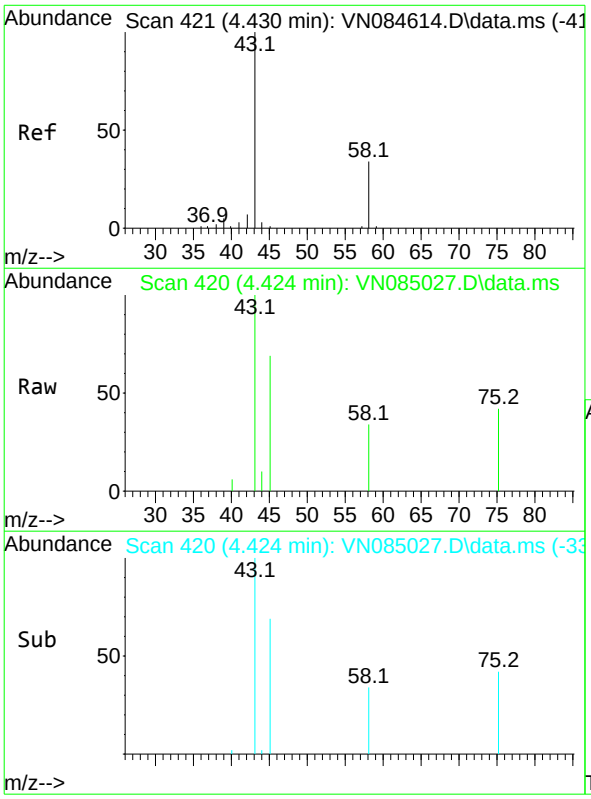
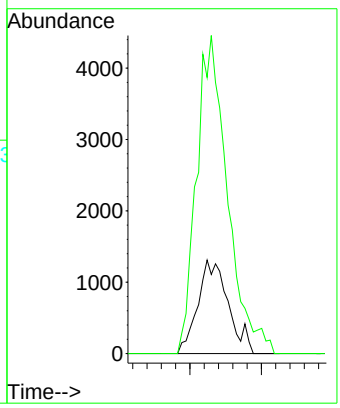
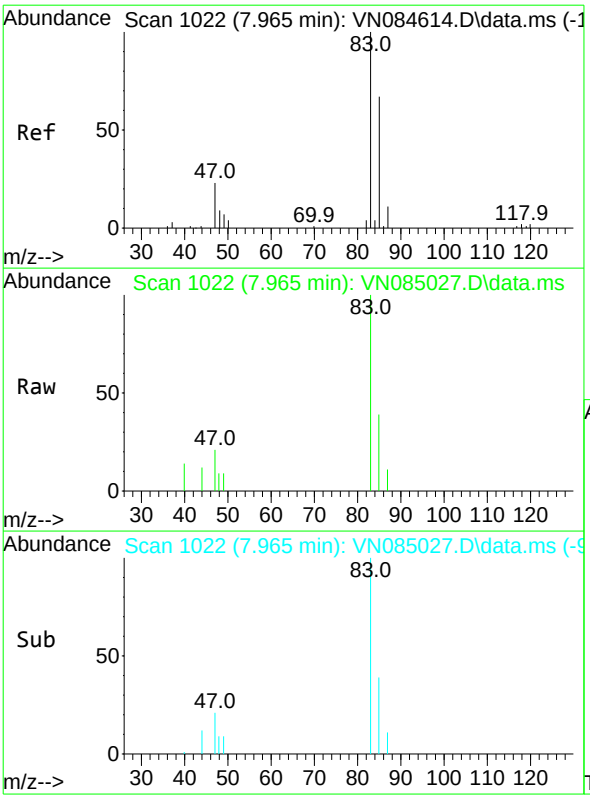


#15
Acetone
Concen: 21.066 ug/l m
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 58 Resp: 3850

Ion	Ratio	Lower	Upper
58	100		
43	295.3	233.0	349.6





#25
Chloroform
Concen: 1.418 ug/l
RT: 7.965 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 83 Resp: 4157

Ion	Ratio	Lower	Upper
83	100		
85	38.7	53.4	80.2#

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE

Manual Integrations
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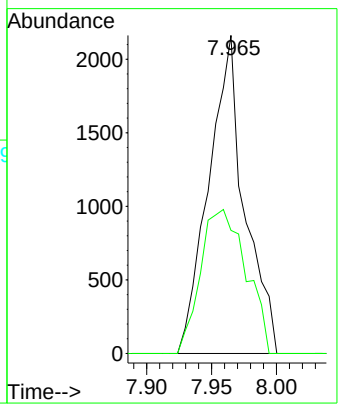
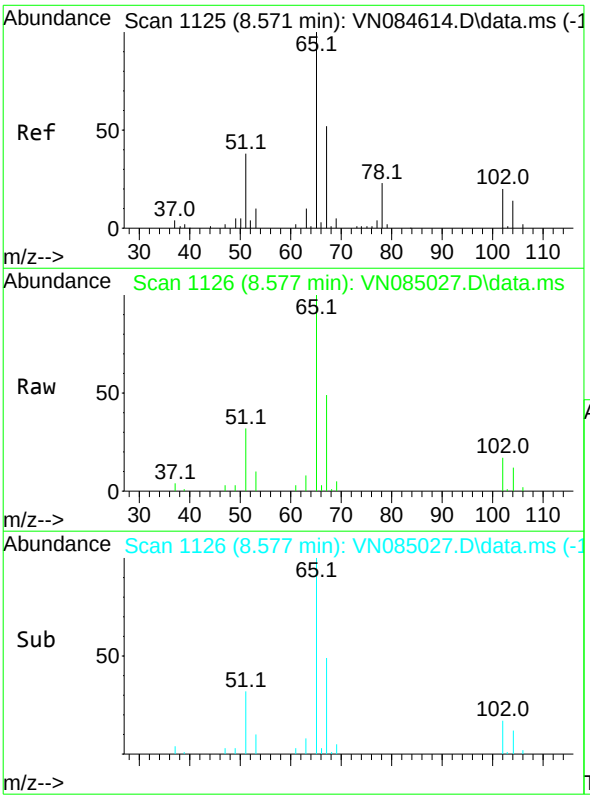
Supervised By :Mahesh Dadoda 11/26/2024

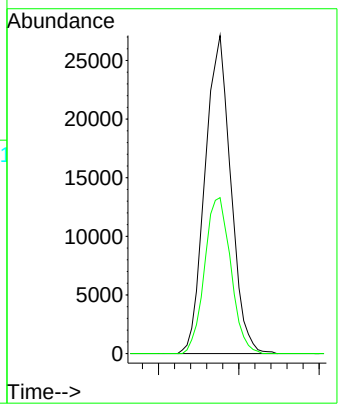


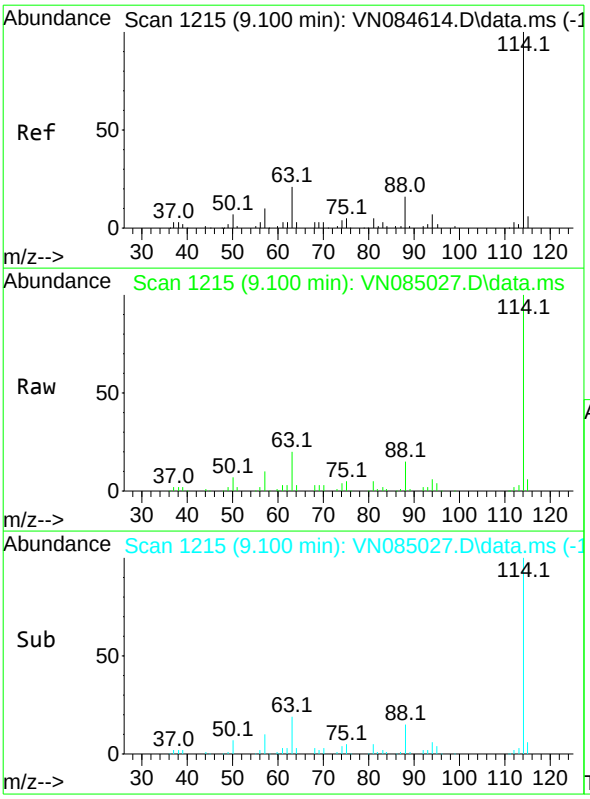


#27
1,2-Dichloroethane-d4
Concen: 31.412 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 65 Resp: 60441

Ion	Ratio	Lower	Upper
65	100		
67	49.8	40.7	61.1





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

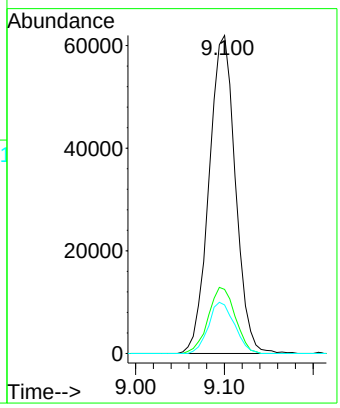
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE

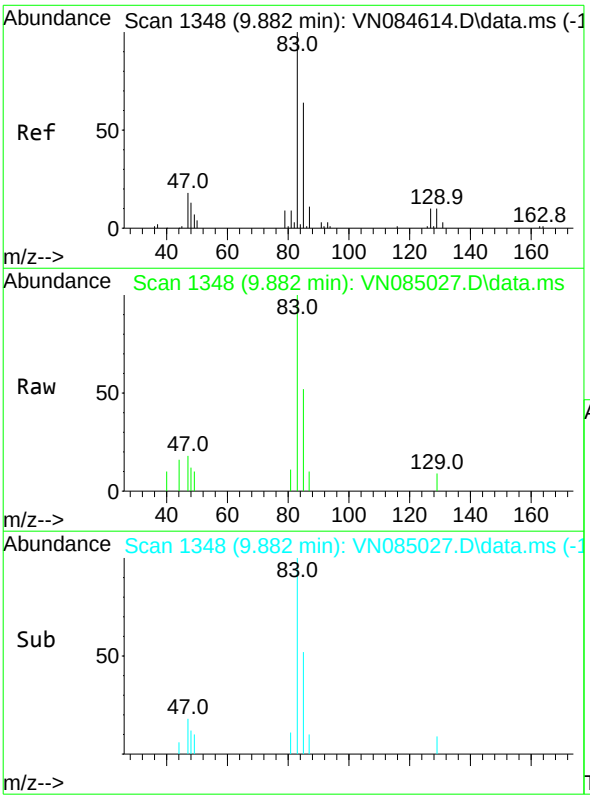
Tgt Ion:114 Resp: 127741

Ion	Ratio	Lower	Upper
114	100		
63	21.2	16.8	25.2
88	15.9	12.9	19.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

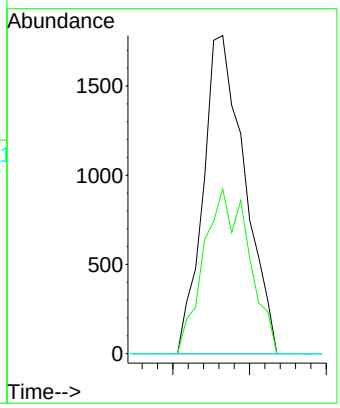


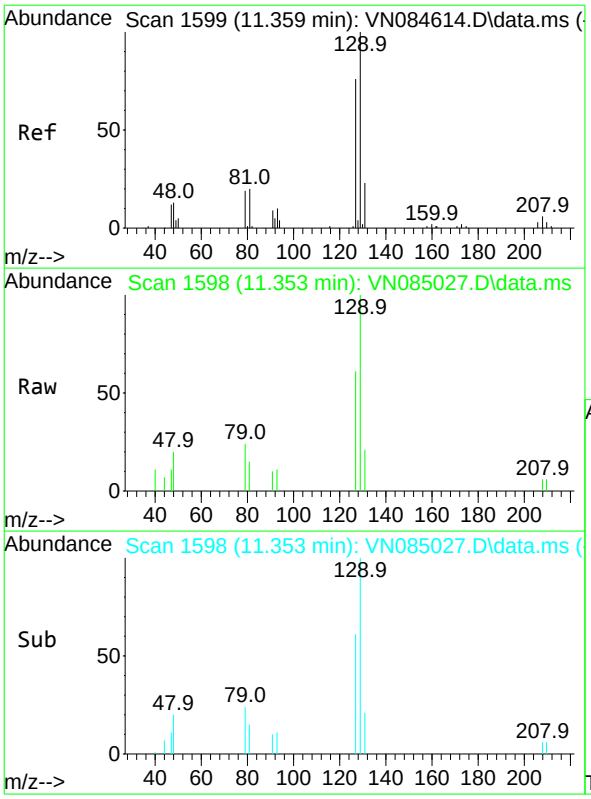


#41
Bromodichloromethane
Concen: 1.460 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 83 Resp: 3352

Ion	Ratio	Lower	Upper
83	100		
85	51.8	51.0	76.6
127	0.0	7.8	11.6#

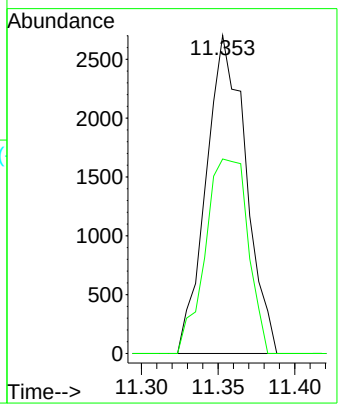




#53
Dibromochloromethane
Concen: 2.897 ug/l
RT: 11.353 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion:129 Resp: 4870

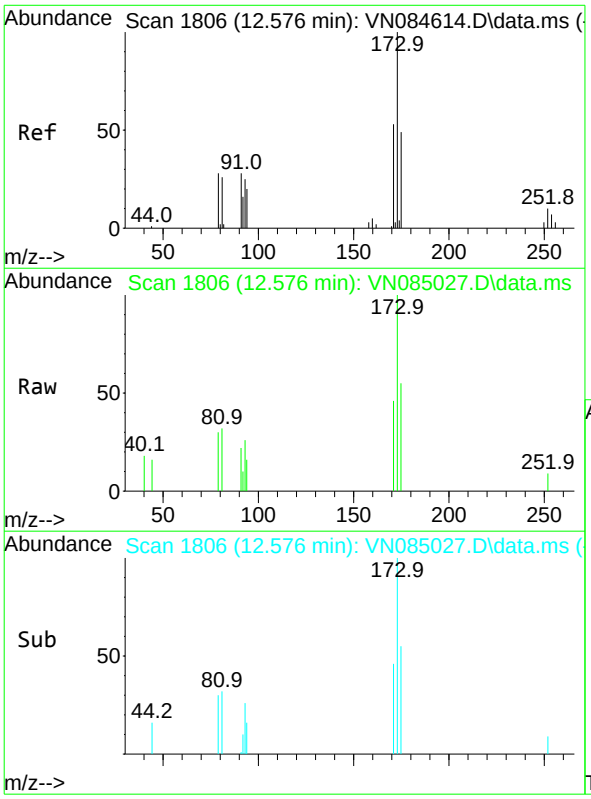
Ion	Ratio	Lower	Upper
129	100		
127	65.6	39.6	119.0



Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE

Manual Integrations
APPROVED

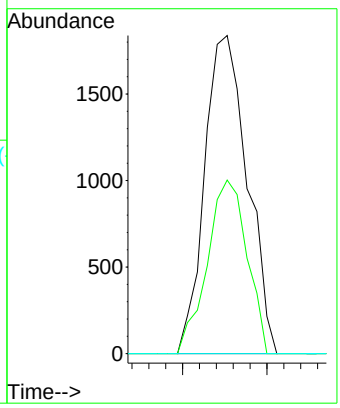
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

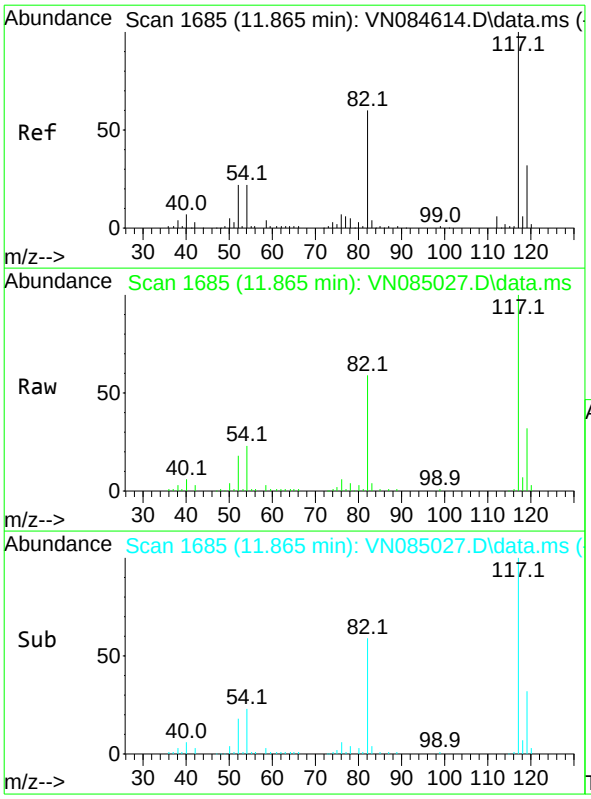


#56
Bromoform
Concen: 2.864 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion:173 Resp: 3227

Ion	Ratio	Lower	Upper
173	100		
175	50.9	39.4	59.2
254	0.0	6.4	9.6#

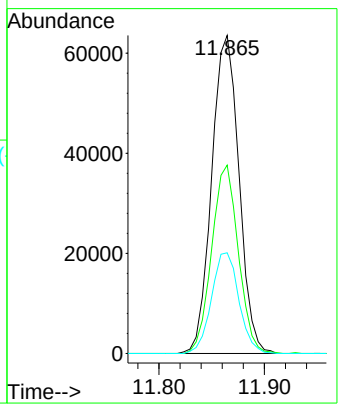




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion:117 Resp: 114318

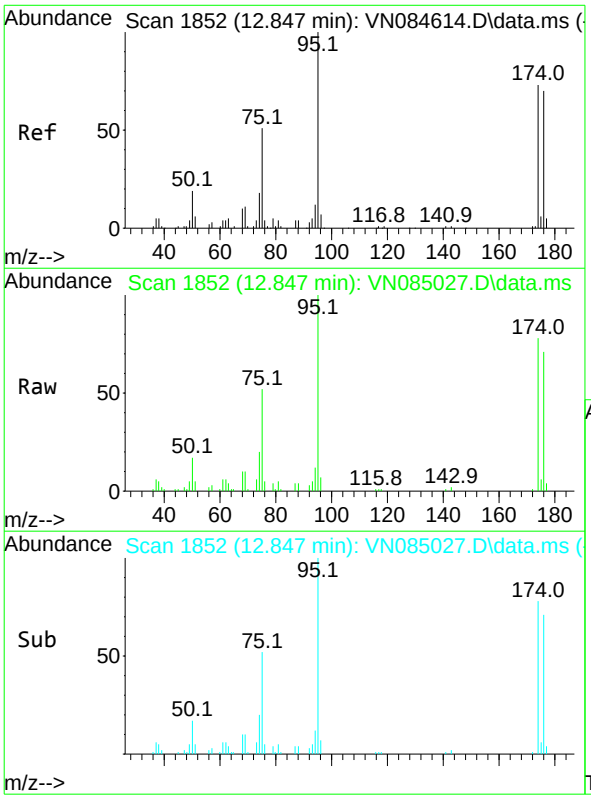
Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.5	68.3
119	31.8	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE

Manual Integrations
APPROVED

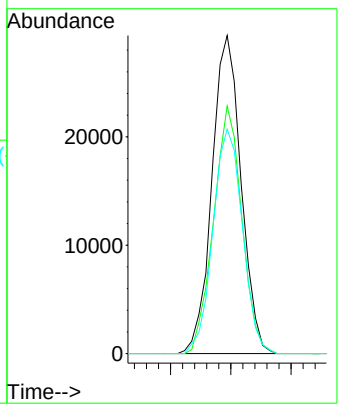
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

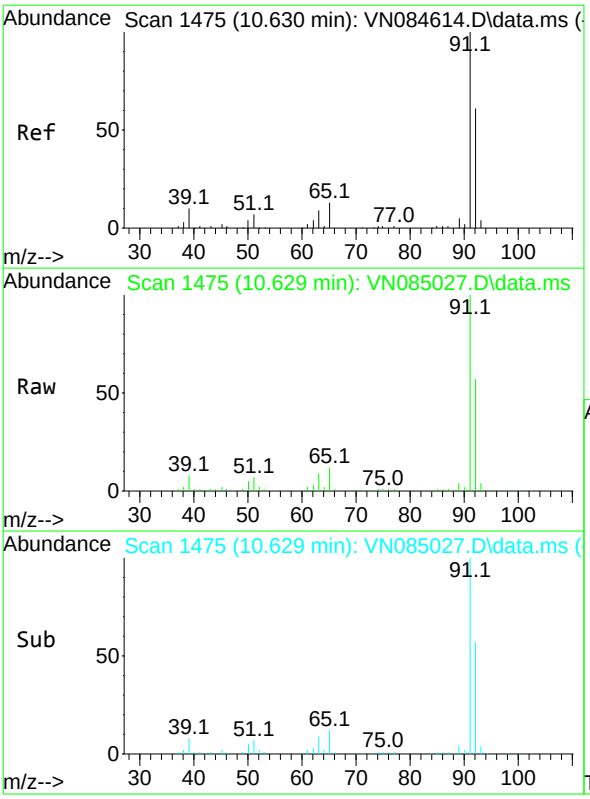


#60
4-Bromofluorobenzene
Concen: 24.998 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 95 Resp: 49205

Ion	Ratio	Lower	Upper
95	100		
174	75.7	59.6	89.4
176	71.7	58.6	88.0

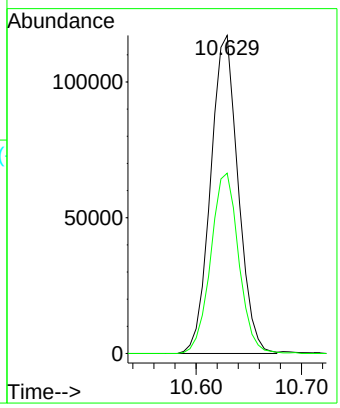




#62
Toluene
Concen: 32.657 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 91 Resp: 212631

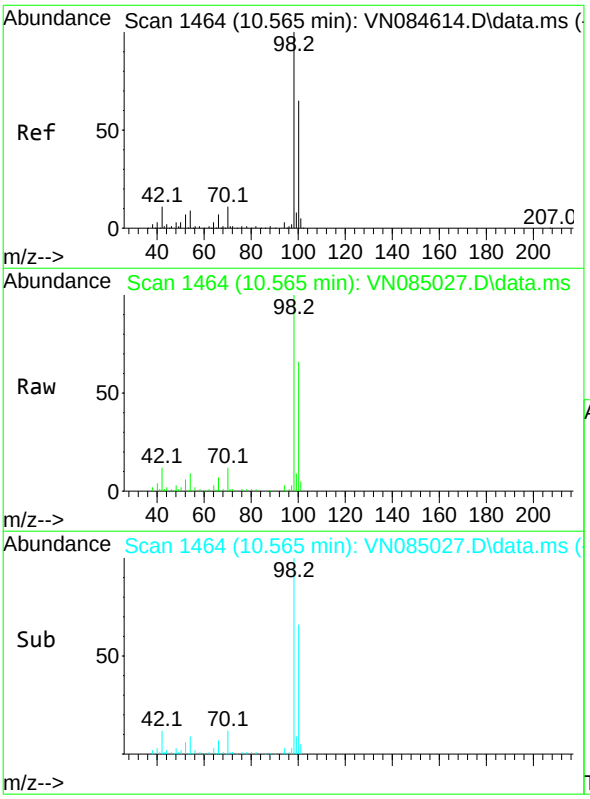
Ion	Ratio	Lower	Upper
91	100		
92	57.5	47.5	71.3



Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE

Manual Integrations
APPROVED

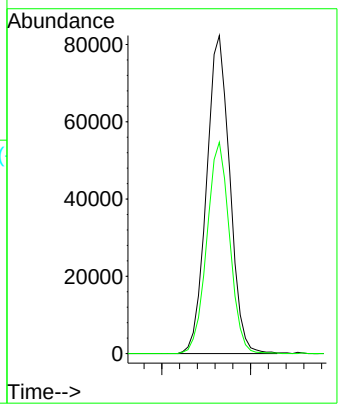
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024



#63
Toluene-d8
Concen: 27.657 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 98 Resp: 149673

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2



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.: P4967 SAS No.: P4967 SDG No.: P4967

Instrument ID: MSVOA_N Calibration Date(s): 10/31/2024 10/31/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:08 18:13

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VN084613.D RRF020 = VN084614.D RRF050 = VN084615.D
RRF100 = VN084616.D RRF150 = VN084617.D RRFCAL = VN084626.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRFCAL	$\overline{RRF}$	% RSD
Benzene	1.549	1.525	1.476	1.460	1.458		1.494	2.8
Toluene	1.732	1.781	1.675	1.658	1.698		1.709	2.9
Ethyl Benzene	1.596	1.824	1.829	1.836	1.894		1.796	6.4
m/p-Xylenes	0.615	0.710	0.706	0.695	0.712		0.687	6
o-Xylene	0.569	0.690	0.681	0.683	0.692		0.663	7.9
1,2-Dichloroethane-d4	2.444	2.473	2.377	2.353	2.413		2.412	2
Toluene-d8	1.451	1.442	1.416	1.393	1.398		1.420	1.8
4-Bromofluorobenzene	0.482	0.506	0.531	0.538	0.526		0.517	4.4

* 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_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N103124W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Nov 01 02:38:04 2024
Response Via : Initial Calibration

Calibration Files
5 =VN084613.D 20 =VN084614.D 50 =VN084615.D 100 =VN084616.D 150 =VN084617.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.762	1.842	1.727	1.647	1.746	1.745	4.00
3)	M	Chloromethane	2.294	2.180	1.987	1.942	2.100	2.101	6.81
4)	M	Vinyl Chloride	1.987	2.059	1.937	1.841	1.929	1.951	4.13
5)	M	Bromomethane	1.026	1.087	0.943	0.927	0.969	0.990	6.66
6)	M	Chloroethane	1.361	1.345	1.305	1.162	1.231	1.281	6.50
7)	M	Trichlorofluorom...	3.268	3.375	3.091	2.971	3.135	3.168	4.96
8)	T	Diethyl Ether	1.000	1.165	1.128	1.145	1.212	1.130	7.00
9)		1,1,2-Trichlorot...	1.776	1.938	1.786	1.675	1.777	1.790	5.27
10)	M	1,1-Dichloroethene	1.685	1.840	1.711	1.699	1.807	1.748	4.00
11)		Methyl Iodide	2.378	2.507	2.375	2.318	2.437	2.403	2.99
12)		Methyl Acetate	3.900	2.690	2.326	2.302	2.408	2.725	24.75
13)	M	Acrolein	0.345	0.350	0.313	0.326	0.347	0.336	4.77
14)	M	Acrylonitrile	0.838	0.902	0.889	0.892	0.937	0.892	3.97
15)	M	Acetone	0.231	0.235	0.223	0.223	0.233	0.229	2.34
16)	M	Carbon Disulfide	5.140	5.375	5.016	4.956	5.235	5.144	3.27
17)		Allyl chloride	2.858	3.101	2.786	2.986	3.164	2.979	5.34
18)	M	Methylene Chloride	2.119	2.210	1.980	1.930	2.004	2.049	5.55
19)	M	trans-1,2-Dichlo...	1.819	1.905	1.810	1.776	1.854	1.833	2.67
20)	T	Diisopropyl ether	5.269	6.283	6.069	5.949	6.249	5.964	6.90
21)	M	1,1-Dichloroethane	3.711	3.802	3.469	3.417	3.534	3.587	4.57
22)	M	cis-1,2-Dichloro...	2.121	2.237	2.172	2.141	2.269	2.188	2.89
23)	M	tert-Butyl Alcohol	0.374	0.310	0.274	0.285	0.313	0.311	12.41
24)	M	Methyl tert-Buty...	4.972	5.809	5.618	5.772	6.099	5.654	7.41
25)	M	Chloroform	3.764	3.915	3.598	3.469	3.627	3.675	4.64
26)		Cyclohexane	2.348	2.813	2.794	2.761	2.982	2.740	8.58
27)	s	1,2-Dichloroetha...	2.444	2.473	2.377	2.353	2.413	2.412	2.02
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.428	0.467	0.452	0.452	0.461	0.452	3.31
30)	M	2-Butanone	0.206	0.207	0.207	0.210	0.213	0.208	1.26
31)		2,2-Dichloropropane	0.563	0.584	0.548	0.528	0.535	0.552	4.06
32)	M	1,1,1-Trichloroe...	0.631	0.645	0.604	0.593	0.595	0.614	3.80
33)	M	Carbon Tetrachlo...	0.545	0.536	0.517	0.504	0.517	0.524	3.16
34)	M	Benzene	1.549	1.525	1.476	1.460	1.458	1.494	2.75
35)		Methacrylonitrile	0.240	0.246	0.234	0.256	0.258	0.247	4.17
36)	M	1,2-Dichloroethane	0.521	0.521	0.488	0.469	0.484	0.497	4.71
37)	M	Trichloroethene	0.340	0.350	0.331	0.325	0.338	0.337	2.76
38)		Methylcyclohexane	0.429	0.479	0.495	0.504	0.526	0.486	7.52
39)	M	1,2-Dichloropropane	0.371	0.372	0.351	0.349	0.355	0.360	3.10
40)		Dibromomethane	0.257	0.262	0.247	0.246	0.245	0.252	3.04
41)	M	Bromodichloromet...	0.566	0.547	0.526	0.526	0.531	0.539	3.22
42)	M	Vinyl Acetate	0.692	0.782	0.788	0.809	0.824	0.779	6.59
43)		Ethyl Acetate	0.421	0.429	0.446	0.443	0.451	0.438	2.89
44)		Isopropyl Acetate	1.250	0.844	0.785	0.774	0.781	0.887	23.13
45)	T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	4.14
46)		Methyl methacrylate	0.332	0.349	0.356	0.369	0.376	0.356	4.92
47)		n-amyl Acetate	0.548	0.667	0.687	0.706	0.703	0.662	9.92
48)	M	t-1,3-Dichloropr...	0.509	0.529	0.535	0.538	0.551	0.532	2.94
49)	T	cis-1,3-Dichloro...	0.535	0.580	0.567	0.580	0.592	0.571	3.83
50)	M	1,1,2-Trichloroe...	0.340	0.353	0.336	0.330	0.328	0.337	2.96
51)		Ethyl methacrylate	0.436	0.503	0.539	0.560	0.563	0.520	10.15
52)		1,3-Dichloropropane	0.582	0.610	0.586	0.577	0.573	0.586	2.46
53)	M	Dibromochloromet...	0.378	0.400	0.401	0.397	0.398	0.395	2.47
54)	M	1,2-Dibromoethane	0.334	0.357	0.337	0.339	0.339	0.341	2.63
55)	M	2-Chloroethyl vi...	0.207	0.266	0.268	0.266	0.267	0.255	10.42
56)	M	Bromoform	0.254	0.262	0.269	0.270	0.268	0.265	2.56

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N103124W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.453	0.490	0.472	0.475	0.478	0.473	2.83
59)	M	2-Hexanone	0.325	0.355	0.349	0.354	0.351	0.347	3.60
60)	S	4-Bromofluoroben...	0.482	0.506	0.531	0.538	0.526	0.517	4.39
61)	M	Tetrachloroethene	0.313	0.331	0.310	0.305	0.311	0.314	3.11
62)	M	Toluene	1.732	1.781	1.675	1.658	1.698	1.709	2.87
63)	S	Toluene-d8	1.451	1.442	1.416	1.393	1.398	1.420	1.81
64)	M	Chlorobenzene	1.030	1.071	1.018	1.011	1.028	1.032	2.25
65)		1,1,1,2-Tetrachl...	0.383	0.398	0.380	0.366	0.368	0.379	3.36
66)	M	Ethyl Benzene	1.596	1.824	1.829	1.836	1.894	1.796	6.42
67)	M	m/p-Xylenes	0.615	0.710	0.706	0.695	0.712	0.687	5.98
68)	M	o-Xylene	0.569	0.690	0.681	0.683	0.692	0.663	7.95
69)	M	Styrene	0.911	1.136	1.179	1.154	1.180	1.112	10.22
70)		Isopropylbenzene	1.407	1.671	1.715	1.692	1.752	1.647	8.35
71)	M	1,1,2,2-Tetrachl...	0.555	0.568	0.529	0.510	0.509	0.534	4.95
72)		1,2,3-Trichlorop...	0.460	0.527	0.429	0.429	0.434	0.456	9.11
73)		Bromobenzene	0.406	0.442	0.425	0.427	0.425	0.425	2.97
74)		n-propylbenzene	1.596	1.953	2.030	1.985	2.068	1.926	9.86
75)		2-Chlorotoluene	1.156	1.287	1.299	1.255	1.275	1.255	4.56
76)		1,3,5-Trimethylb...	1.193	1.438	1.480	1.442	1.485	1.408	8.64
77)		t-1,4-Dichloro-2...	0.152	0.191	0.193	0.196	0.203	0.187	10.86
78)		4-Chlorotoluene	1.151	1.299	1.301	1.280	1.306	1.268	5.18
79)		tert-butylbenzene	0.947	1.147	1.206	1.243	1.278	1.164	11.24
80)		1,2,4-Trimethylb...	1.129	1.449	1.513	1.494	1.515	1.420	11.60
81)		sec-Butylbenzene	1.290	1.605	1.691	1.689	1.744	1.604	11.37
82)		p-Isopropyltoluene	1.023	1.338	1.445	1.437	1.495	1.348	14.13
83)	M	1,3-Dichlorobenzene	0.736	0.812	0.793	0.787	0.801	0.786	3.73
84)	M	1,4-Dichlorobenzene	0.729	0.784	0.790	0.779	0.801	0.776	3.59
85)		n-Butylbenzene	0.852	1.069	1.186	1.237	1.316	1.132	15.96
86)	T	Hexachloroethane	0.273	0.284	0.275	0.265	0.280	0.276	2.60
87)	M	1,2-Dichlorobenzene	0.724	0.821	0.787	0.760	0.780	0.774	4.62
88)		1,2-Dibromo-3-Ch...	0.099	0.108	0.106	0.098	0.105	0.103	4.27
89)		1,2,4-Trichlorob...	0.308	0.383	0.381	0.390	0.424	0.377	11.21
90)		Hexachlorobutadiene	0.160	0.168	0.163	0.158	0.174	0.165	3.93
91)	M	Naphthalene	0.839	1.126	1.272	1.338	1.445	1.204	19.47
92)		1,2,3-Trichlorob...	0.308	0.383	0.381	0.390	0.424	0.377	11.21

(#) = Out of Range

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084613.D
Acq On : 31 Oct 2024 12:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 02:19:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	31324	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	165636	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	148900	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	76561	30.402	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.333%				
60) 4-Bromofluorobenzene	12.847	95	71798	28.004	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.333%				
63) Toluene-d8	10.565	98	216062	30.652	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.167%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	9198	5.049	ug/l		96
3) Chloromethane	2.359	50	11978	5.461	ug/l		99
4) Vinyl Chloride	2.512	62	10376	5.094	ug/l	#	82
5) Bromomethane	2.900	94	5354	5.179	ug/l		86
6) Chloroethane	3.071	64	7106m	5.250	ug/l		
7) Trichlorofluoromethane	3.471	101	17062	5.158	ug/l		98
8) Diethyl Ether	3.953	74	5222	4.426	ug/l		86
9) 1,1,2-Trichlorotrifluo...	4.365	101	9273	4.960	ug/l	#	39
10) 1,1-Dichloroethene	4.324	96	8797	4.819	ug/l		92
11) Methyl Iodide	4.571	142	12414	4.948	ug/l		99
12) Methyl Acetate	5.012	43	20360m	7.148	ug/l		
13) Acrolein	4.171	56	9009	25.674	ug/l		92
14) Acrylonitrile	5.718	53	21872m	23.496	ug/l		
15) Acetone	4.442	58	6033m	25.222	ug/l		
16) Carbon Disulfide	4.700	76	26836	4.996	ug/l	#	94
17) Allyl chloride	5.006	41	14923m	4.845	ug/l		
18) Methylene Chloride	5.277	84	11065	5.173	ug/l		91
19) trans-1,2-Dichloroethene	5.777	96	9494m	4.962	ug/l		
20) Diisopropyl ether	6.665	45	27506	4.417	ug/l		93
21) 1,1-Dichloroethane	6.559	63	19373	5.173	ug/l		92
22) cis-1,2-Dichloroethene	7.483	96	11073	4.847	ug/l		98
23) tert-Butyl Alcohol	5.530	59	9753	30.011	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	25957	4.397	ug/l	#	90
25) Chloroform	7.965	83	19651	5.122	ug/l		94
26) Cyclohexane	8.247	56	12257	4.285	ug/l	#	98
29) 1,1-Dichloropropene	8.371	75	11807	4.733	ug/l		98
30) 2-Butanone	7.483	43	28435	24.708	ug/l		100
31) 2,2-Dichloropropane	7.488	77	15547	5.105	ug/l	#	90
32) 1,1,1-Trichloroethane	8.159	97	17431	5.143	ug/l	#	85
33) Carbon Tetrachloride	8.359	117	15058	5.206	ug/l		92
34) Benzene	8.600	78	42762	5.186	ug/l	#	88
35) Methacrylonitrile	7.777	41	6638	4.867	ug/l		87
36) 1,2-Dichloroethane	8.671	62	14384	5.245	ug/l	#	95
37) Trichloroethene	9.347	130	9396m	5.051	ug/l		
38) Methylcyclohexane	9.600	83	11830	4.405	ug/l		97
39) 1,2-Dichloropropane	9.624	63	10243	5.160	ug/l		91
40) Dibromomethane	9.706	93	7103	5.115	ug/l		98
41) Bromodichloromethane	9.888	83	15629	5.250	ug/l		99
42) Vinyl Acetate	6.600	43	95572	22.218	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084613.D
Acq On : 31 Oct 2024 12:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:19:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	11619	4.747 ug/l	97
44) Isopropyl Acetate	8.682	43	34520	7.050 ug/l #	82
45) 1,4-Dioxane	9.700	88	3084	94.340 ug/l	96
46) Methyl methacrylate	9.677	41	9158	4.654 ug/l	95
47) n-amyl Acetate	12.494	43	15131	4.138 ug/l	96
48) t-1,3-Dichloropropene	10.829	75	14040	4.776 ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	14763	4.686 ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	9392	5.042 ug/l #	89
51) Ethyl methacrylate	10.871	69	12033	4.191 ug/l	92
52) 1,3-Dichloropropane	11.165	76	16055	4.966 ug/l	98
53) Dibromochloromethane	11.359	129	10423	4.782 ug/l	97
54) 1,2-Dibromoethane	11.471	107	9233	4.901 ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	28637	20.343 ug/l	99
56) Bromoform	12.576	173	7007	4.796 ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	56166	23.910 ug/l	99
59) 2-Hexanone	11.194	43	40278	23.416 ug/l	95
61) Tetrachloroethene	11.106	164	7756	4.977 ug/l	96
62) Toluene	10.629	91	42993	5.069 ug/l	99
64) Chlorobenzene	11.888	112	25563	4.993 ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	9514	5.056 ug/l	93
66) Ethyl Benzene	11.959	91	39603	4.443 ug/l	98
67) m/p-Xylenes	12.070	106	30521	8.944 ug/l	91
68) o-Xylene	12.394	106	14127	4.292 ug/l	97
69) Styrene	12.412	104	22620	4.099 ug/l	99
70) Isopropylbenzene	12.694	105	34923	4.271 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	13765	5.194 ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	11412m	4.514 ug/l	
73) Bromobenzene	12.976	156	10078	4.779 ug/l	92
74) n-propylbenzene	13.035	91	39598	4.141 ug/l	97
75) 2-Chlorotoluene	13.123	91	28696	4.609 ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	29615	4.239 ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	3762	4.053 ug/l	93
78) 4-Chlorotoluene	13.217	91	28573	4.542 ug/l	98
79) tert-butylbenzene	13.441	119	23495	4.067 ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	28024	3.976 ug/l	100
81) sec-Butylbenzene	13.612	105	32017	4.022 ug/l	99
82) p-Isopropyltoluene	13.729	119	25380	3.794 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	18270	4.684 ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	18085	4.693 ug/l	93
85) n-Butylbenzene	14.053	91	21135	3.762 ug/l	99
86) Hexachloroethane	14.335	117	6782	4.957 ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	17958	4.672 ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.717	75	2451	4.793 ug/l	90
89) 1,2,4-Trichlorobenzene	15.835	180	7643	4.084 ug/l	98
90) Hexachlorobutadiene	15.500	225	3978	4.866 ug/l	96
91) Naphthalene	15.641	128	20829	3.485 ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	7643	4.084 ug/l	98

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

ICAL Form

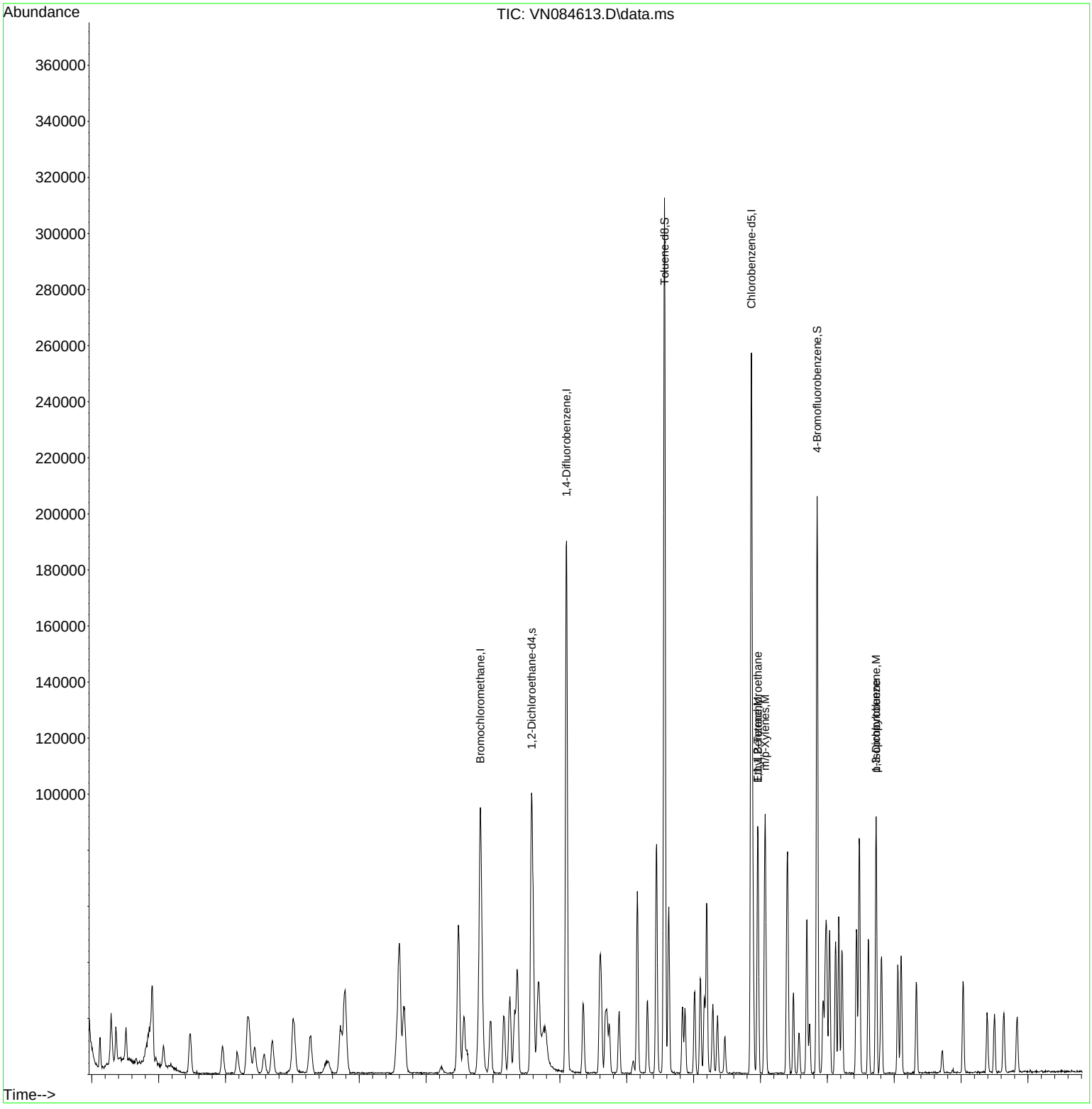
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084613.D
Acq On : 31 Oct 2024 12:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:19:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084614.D
Acq On : 31 Oct 2024 12:32
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 02:21:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	31274	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	172181	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	154107	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	77335	30.759	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.533%			
60) 4-Bromofluorobenzene	12.847	95	77916	29.364	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.867%			
63) Toluene-d8	10.565	98	222235	30.462	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.533%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	38402	21.112	ug/l	100
3) Chloromethane	2.359	50	45455	20.756	ug/l	100
4) Vinyl Chloride	2.512	62	42937	21.114	ug/l	100
5) Bromomethane	2.901	94	22663	21.957	ug/l	100
6) Chloroethane	3.059	64	28033	20.742	ug/l	100
7) Trichlorofluoromethane	3.465	101	70369	21.307	ug/l	100
8) Diethyl Ether	3.953	74	24291	20.620	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	40406	21.649	ug/l	100
10) 1,1-Dichloroethene	4.324	96	38356	21.045	ug/l	100
11) Methyl Iodide	4.583	142	52273	20.867	ug/l	100
12) Methyl Acetate	5.018	43	56085	19.721	ug/l	100
13) Acrolein	4.177	56	36444	104.025	ug/l	100
14) Acrylonitrile	5.718	53	93989	101.129	ug/l	100
15) Acetone	4.430	58	24469	102.461	ug/l	100
16) Carbon Disulfide	4.695	76	112057	20.895	ug/l	100
17) Allyl chloride	5.006	41	64662	21.027	ug/l	100
18) Methylene Chloride	5.265	84	46076	21.573	ug/l	100
19) trans-1,2-Dichloroethene	5.783	96	39708	20.785	ug/l	100
20) Diisopropyl ether	6.671	45	130988	21.069	ug/l	100
21) 1,1-Dichloroethane	6.559	63	79269	21.202	ug/l	100
22) cis-1,2-Dichloroethene	7.483	96	46637	20.448	ug/l	100
23) tert-Butyl Alcohol	5.542	59	32351m	99.706	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	121117	20.549	ug/l	100
25) Chloroform	7.965	83	81615	21.306	ug/l	100
26) Cyclohexane	8.247	56	58646	20.535	ug/l	100
29) 1,1-Dichloropropene	8.365	75	53609	20.671	ug/l	100
30) 2-Butanone	7.483	43	118837	99.338	ug/l	100
31) 2,2-Dichloropropane	7.489	77	66980	21.158	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	74085	21.027	ug/l	100
33) Carbon Tetrachloride	8.359	117	61528	20.465	ug/l	100
34) Benzene	8.600	78	175051	20.421	ug/l	100
35) Methacrylonitrile	7.777	41	28223	19.906	ug/l	100
36) 1,2-Dichloroethane	8.665	62	59810	20.981	ug/l	100
37) Trichloroethene	9.347	130	40135	20.754	ug/l	100
38) Methylcyclohexane	9.600	83	54992	19.697	ug/l	100
39) 1,2-Dichloropropane	9.618	63	42682	20.684	ug/l	100
40) Dibromomethane	9.706	93	30074	20.833	ug/l	100
41) Bromodichloromethane	9.882	83	62781	20.287	ug/l	100
42) Vinyl Acetate	6.600	43	448664	100.337	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084614.D
Acq On : 31 Oct 2024 12:32
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 02:21:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	49217	19.343	ug/l	98
44) Isopropyl Acetate	8.688	43	96864	19.030	ug/l	100
45) 1,4-Dioxane	9.694	88	13694	402.979	ug/l	100
46) Methyl methacrylate	9.682	41	40026	19.568	ug/l	100
47) n-amyl Acetate	12.494	43	76604	20.151	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	60713	19.868	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	66524	20.312	ug/l	100
50) 1,1,2-Trichloroethane	11.018	97	40510	20.921	ug/l	100
51) Ethyl methacrylate	10.877	69	57722	19.339	ug/l	100
52) 1,3-Dichloropropane	11.165	76	70002	20.827	ug/l	100
53) Dibromochloromethane	11.359	129	45946	20.276	ug/l	100
54) 1,2-Dibromoethane	11.465	107	40970	20.920	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	152772	104.401	ug/l	100
56) Bromoform	12.576	173	30104	19.820	ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	251499	103.446	ug/l	100
59) 2-Hexanone	11.194	43	182123	102.300	ug/l	100
61) Tetrachloroethene	11.100	164	33984	21.071	ug/l	100
62) Toluene	10.630	91	182960	20.845	ug/l	100
64) Chlorobenzene	11.888	112	110008	20.761	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	40878	20.991	ug/l	100
66) Ethyl Benzene	11.965	91	187374	20.313	ug/l	100
67) m/p-Xylenes	12.071	106	145866	41.303	ug/l	100
68) o-Xylene	12.400	106	70893	20.810	ug/l	100
69) Styrene	12.412	104	116660	20.424	ug/l	100
70) Isopropylbenzene	12.694	105	171676	20.286	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	58304	21.256	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	54117m	20.681	ug/l	
73) Bromobenzene	12.976	156	45364	20.784	ug/l	100
74) n-propylbenzene	13.035	91	200691	20.280	ug/l	100
75) 2-Chlorotoluene	13.123	91	132203	20.515	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	147751	20.434	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	19637	20.442	ug/l	100
78) 4-Chlorotoluene	13.218	91	133430	20.493	ug/l	100
79) tert-butylbenzene	13.435	119	117804	19.701	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	148836	20.404	ug/l	100
81) sec-Butylbenzene	13.612	105	164903	20.014	ug/l	100
82) p-Isopropyltoluene	13.729	119	137483	19.858	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	83438	20.670	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	80500	20.182	ug/l	100
85) n-Butylbenzene	14.053	91	109807	18.885	ug/l	100
86) Hexachloroethane	14.329	117	29191	20.617	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	84342	21.203	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11061	20.899	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	39326	20.305	ug/l	100
90) Hexachlorobutadiene	15.500	225	17295	20.443	ug/l	100
91) Naphthalene	15.641	128	115679	18.702	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	39326	20.305	ug/l	100

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

ICAL Form

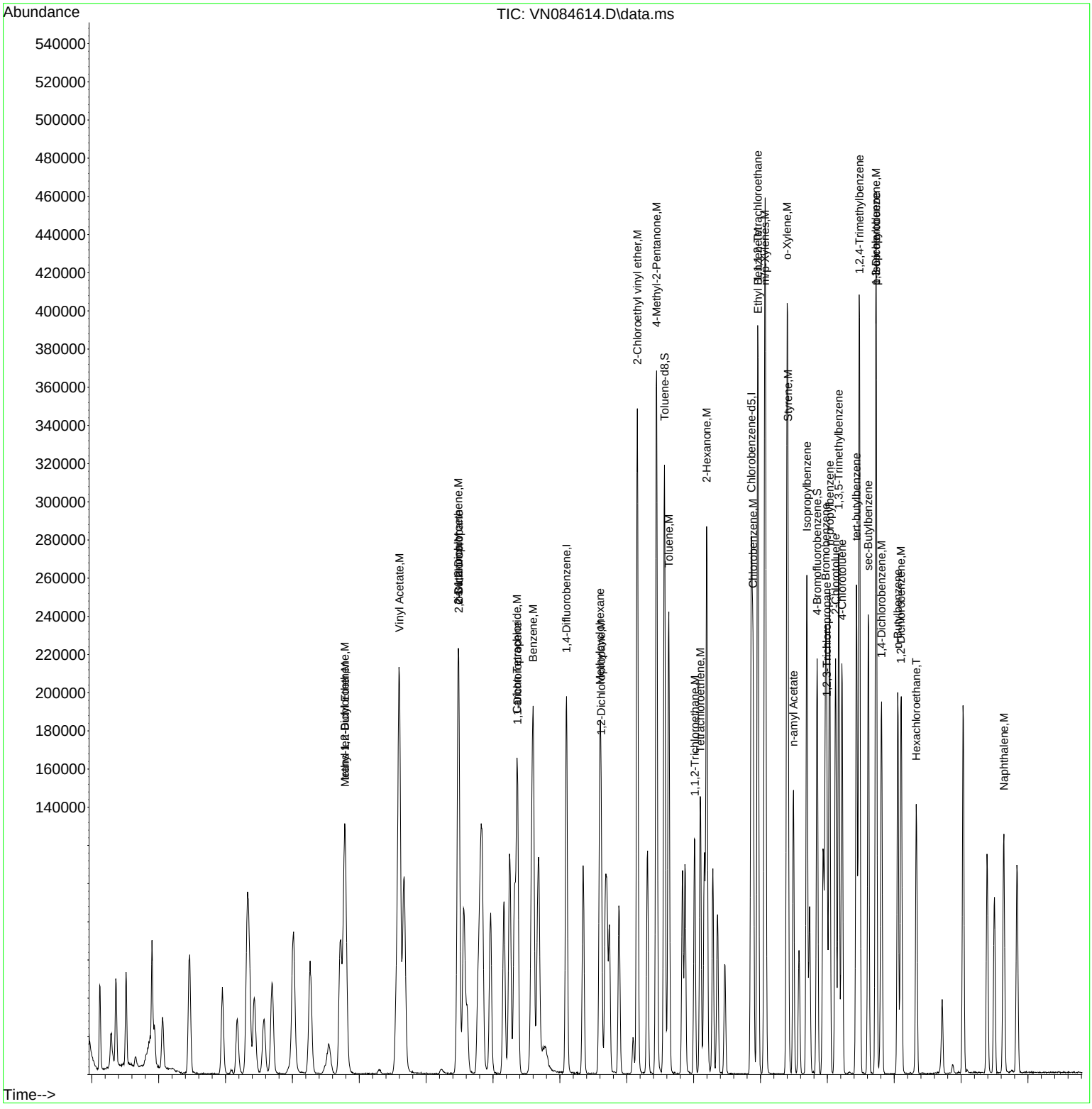
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084614.D
Acq On : 31 Oct 2024 12:32
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:21:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084615.D
Acq On : 31 Oct 2024 12:56
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 02:22:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	32918	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	176826	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	164720	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	78237	29.563	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.533%				
60) 4-Bromofluorobenzene	12.847	95	87434	30.828	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.767%				
63) Toluene-d8	10.565	98	233304	29.919	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.733%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	94735	49.481	ug/l		96
3) Chloromethane	2.359	50	109029	47.299	ug/l		98
4) Vinyl Chloride	2.512	62	106283	49.654	ug/l		97
5) Bromomethane	2.901	94	51725	47.610	ug/l		100
6) Chloroethane	3.077	64	71616m	50.344	ug/l		
7) Trichlorofluoromethane	3.471	101	169605	48.790	ug/l		97
8) Diethyl Ether	3.953	74	61891	49.913	ug/l		96
9) 1,1,2-Trichlorotrifluo...	4.359	101	97991	49.880	ug/l		99
10) 1,1-Dichloroethene	4.324	96	93892	48.943	ug/l		95
11) Methyl Iodide	4.583	142	130322	49.426	ug/l		100
12) Methyl Acetate	5.018	43	127594	42.624	ug/l		94
13) Acrolein	4.171	56	85754	232.550	ug/l		98
14) Acrylonitrile	5.712	53	243950	249.373	ug/l		99
15) Acetone	4.430	58	61279	243.784	ug/l		91
16) Carbon Disulfide	4.700	76	275193	48.752	ug/l		99
17) Allyl chloride	5.012	41	152844	47.220	ug/l		98
18) Methylene Chloride	5.265	84	108652	48.332	ug/l		98
19) trans-1,2-Dichloroethene	5.783	96	99291	49.378	ug/l		91
20) Diisopropyl ether	6.671	45	332986	50.885	ug/l		98
21) 1,1-Dichloroethane	6.565	63	190325	48.363	ug/l		98
22) cis-1,2-Dichloroethene	7.483	96	119146	49.630	ug/l		94
23) tert-Butyl Alcohol	5.542	59	75243	220.317	ug/l	#	100
24) Methyl tert-Butyl Ether	5.795	73	308206	49.680	ug/l		99
25) Chloroform	7.959	83	197402	48.959	ug/l		94
26) Cyclohexane	8.253	56	153309	51.000	ug/l	#	100
29) 1,1-Dichloropropene	8.371	75	133196	50.010	ug/l		100
30) 2-Butanone	7.477	43	305143	248.373	ug/l		99
31) 2,2-Dichloropropane	7.483	77	161607	49.708	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	178128	49.229	ug/l		99
33) Carbon Tetrachloride	8.359	117	152324	49.334	ug/l		98
34) Benzene	8.600	78	434965	49.409	ug/l		97
35) Methacrylonitrile	7.777	41	69021	47.401	ug/l		97
36) 1,2-Dichloroethane	8.665	62	143921	49.161	ug/l		100
37) Trichloroethene	9.353	130	97539	49.114	ug/l		99
38) Methylcyclohexane	9.600	83	145824	50.859	ug/l		98
39) 1,2-Dichloropropane	9.618	63	103300	48.746	ug/l		97
40) Dibromomethane	9.706	93	72848	49.139	ug/l		99
41) Bromodichloromethane	9.882	83	154994	48.769	ug/l		99
42) Vinyl Acetate	6.600	43	1161725	252.978	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084615.D
Acq On : 31 Oct 2024 12:56
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:22:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	131344	50.265 ug/l	98
44) Isopropyl Acetate	8.688	43	231400	44.267 ug/l	98
45) 1,4-Dioxane	9.694	88	33980	973.675 ug/l #	89
46) Methyl methacrylate	9.677	41	104945	49.957 ug/l	96
47) n-amyl Acetate	12.494	43	202564	51.886 ug/l	98
48) t-1,3-Dichloropropene	10.835	75	157614	50.224 ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	167077	49.675 ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	98990	49.780 ug/l	96
51) Ethyl methacrylate	10.871	69	158738	51.786 ug/l	96
52) 1,3-Dichloropropane	11.159	76	172748	50.047 ug/l	99
53) Dibromochloromethane	11.359	129	118100	50.750 ug/l	97
54) 1,2-Dibromoethane	11.465	107	99236	49.341 ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	395250	263.010 ug/l	99
56) Bromoform	12.576	173	79210	50.781 ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	647306	249.093 ug/l	98
59) 2-Hexanone	11.194	43	478961	251.701 ug/l	99
61) Tetrachloroethene	11.100	164	85090	49.359 ug/l	98
62) Toluene	10.629	91	459711	49.000 ug/l	99
64) Chlorobenzene	11.888	112	279544	49.357 ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	104199	50.060 ug/l	98
66) Ethyl Benzene	11.965	91	502126	50.927 ug/l	94
67) m/p-Xylenes	12.071	106	387469	102.646 ug/l	98
68) o-Xylene	12.394	106	187021	51.361 ug/l	98
69) Styrene	12.412	104	323595	53.002 ug/l	98
70) Isopropylbenzene	12.694	105	470823	52.050 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	145223	49.532 ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	117853m	42.135 ug/l	
73) Bromobenzene	12.976	156	116686	50.015 ug/l	97
74) n-propylbenzene	13.035	91	557232	52.681 ug/l	99
75) 2-Chlorotoluene	13.123	91	356739	51.790 ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	406282	52.568 ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	53054	51.671 ug/l	86
78) 4-Chlorotoluene	13.218	91	357227	51.329 ug/l	100
79) tert-butylbenzene	13.435	119	331066	51.799 ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	415493	53.289 ug/l	98
81) sec-Butylbenzene	13.618	105	464362	52.727 ug/l	100
82) p-Isopropyltoluene	13.729	119	396709	53.609 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	217624	50.438 ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	216965	50.890 ug/l	97
85) n-Butylbenzene	14.053	91	325553	52.381 ug/l	99
86) Hexachloroethane	14.329	117	75612	49.961 ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	215946	50.790 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	28965	51.201 ug/l	96
89) 1,2,4-Trichlorobenzene	15.835	180	104664	50.558 ug/l	96
90) Hexachlorobutadiene	15.494	225	44832	49.577 ug/l	95
91) Naphthalene	15.641	128	349297	52.834 ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	104664	50.558 ug/l	96

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

ICAL Form

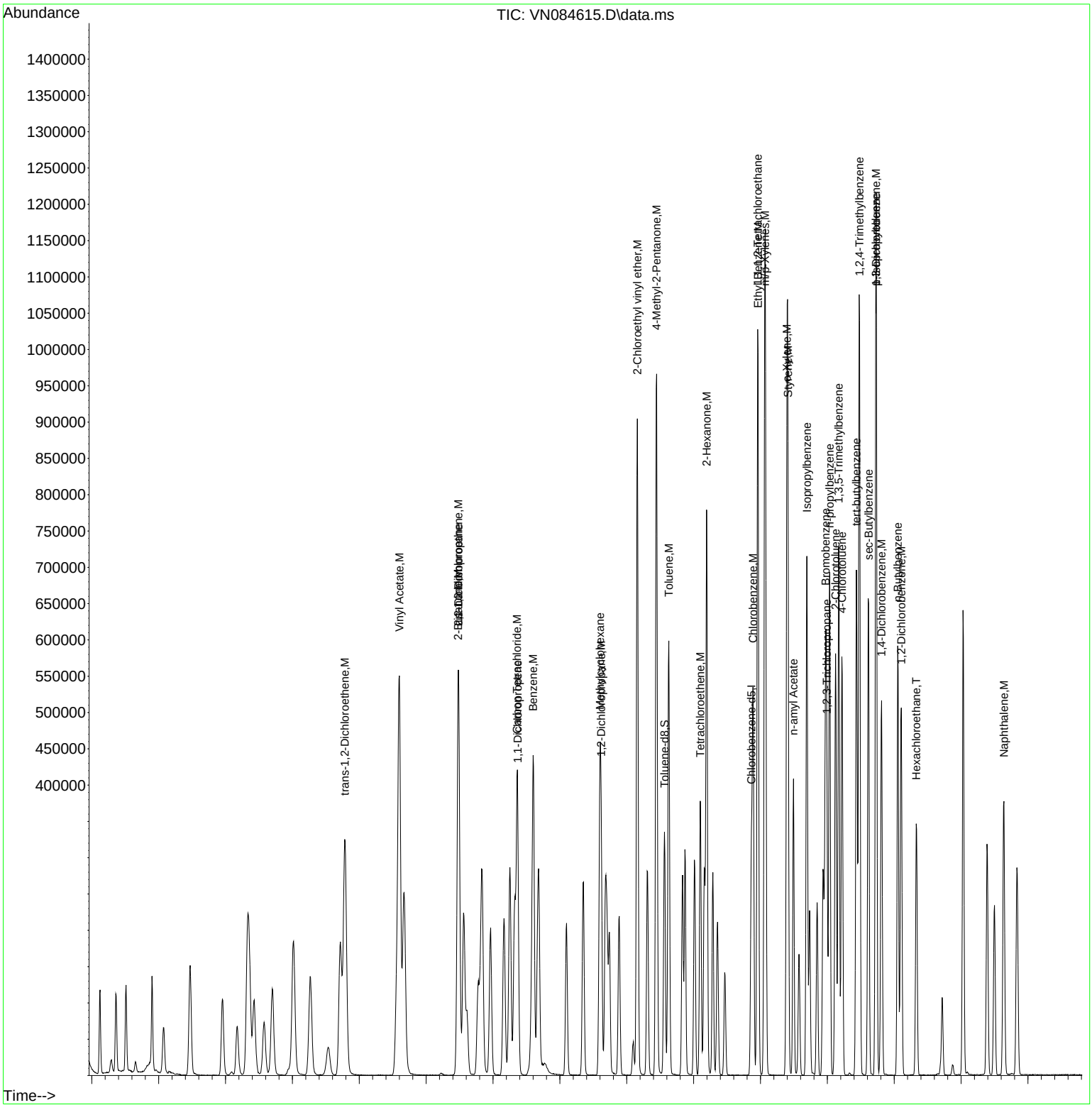
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084615.D
Acq On : 31 Oct 2024 12:56
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:22:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084616.D
Acq On : 31 Oct 2024 13:20
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 02:23:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	34742	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.094	114	185533	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	172801	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	81745	29.267	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.567%				
60) 4-Bromofluorobenzene	12.847	95	92972	31.247	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.167%				
63) Toluene-d8	10.565	98	240739	29.429	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.118	85	190784	94.416	ug/l		96
3) Chloromethane	2.359	50	224931	92.457	ug/l		96
4) Vinyl Chloride	2.512	62	213170	94.361	ug/l		96
5) Bromomethane	2.901	94	107304	93.582	ug/l		99
6) Chloroethane	3.059	64	134554	89.622	ug/l		91
7) Trichlorofluoromethane	3.465	101	344065	93.780	ug/l		96
8) Diethyl Ether	3.953	74	132542	101.279	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.348	101	193932	93.533	ug/l		100
10) 1,1-Dichloroethene	4.324	96	196748	97.174	ug/l		96
11) Methyl Iodide	4.577	142	268385	96.444	ug/l		93
12) Methyl Acetate	5.024	43	266611	84.389	ug/l		98
13) Acrolein	4.171	56	188911	485.398	ug/l		99
14) Acrylonitrile	5.712	53	516678	500.435	ug/l		98
15) Acetone	4.424	58	129317	487.448	ug/l		84
16) Carbon Disulfide	4.700	76	573917	96.334	ug/l		97
17) Allyl chloride	5.006	41	345769	101.215	ug/l		96
18) Methylene Chloride	5.271	84	223525	94.210	ug/l		99
19) trans-1,2-Dichloroethene	5.777	96	205660	96.906	ug/l		91
20) Diisopropyl ether	6.671	45	688942	99.753	ug/l		96
21) 1,1-Dichloroethane	6.565	63	395669	95.263	ug/l		97
22) cis-1,2-Dichloroethene	7.483	96	247895	97.839	ug/l		95
23) tert-Butyl Alcohol	5.547	59	164832	457.302	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	668387	102.082	ug/l		98
25) Chloroform	7.965	83	401691	94.396	ug/l		99
26) Cyclohexane	8.253	56	319727	100.777	ug/l	#	99
29) 1,1-Dichloropropene	8.371	75	279360	99.967	ug/l		99
30) 2-Butanone	7.483	43	647906	502.619	ug/l		99
31) 2,2-Dichloropropane	7.488	77	326433	95.693	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	366838	96.624	ug/l		99
33) Carbon Tetrachloride	8.359	117	311893	96.275	ug/l		99
34) Benzene	8.600	78	902770	97.735	ug/l		95
35) Methacrylonitrile	7.777	41	158460	103.718	ug/l		97
36) 1,2-Dichloroethane	8.665	62	289900	94.377	ug/l		99
37) Trichloroethene	9.347	130	201181	96.547	ug/l		94
38) Methylcyclohexane	9.600	83	311539	103.557	ug/l		97
39) 1,2-Dichloropropane	9.618	63	215746	97.029	ug/l		92
40) Dibromomethane	9.706	93	151914	97.663	ug/l		99
41) Bromodichloromethane	9.888	83	325039	97.474	ug/l		99
42) Vinyl Acetate	6.600	43	2500453	518.946	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084616.D
Acq On : 31 Oct 2024 13:20
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:23:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	274207	100.013	ug/l	98
44) Isopropyl Acetate	8.688	43	478812	87.298	ug/l	96
45) 1,4-Dioxane	9.694	88	75558	2063.461	ug/l	96
46) Methyl methacrylate	9.682	41	228239	103.551	ug/l	94
47) n-amyl Acetate	12.494	43	436801	106.634	ug/l	96
48) t-1,3-Dichloropropene	10.835	75	332996	101.131	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	358906	101.702	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	204253	97.894	ug/l	98
51) Ethyl methacrylate	10.871	69	346376	107.698	ug/l	96
52) 1,3-Dichloropropane	11.159	76	357116	98.605	ug/l	99
53) Dibromochloromethane	11.359	129	245721	100.636	ug/l	97
54) 1,2-Dibromoethane	11.471	107	209631	99.338	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	822490	521.622	ug/l	99
56) Bromoform	12.576	173	167239	102.184	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	1367142	501.494	ug/l	99
59) 2-Hexanone	11.194	43	1018919	510.417	ug/l	98
61) Tetrachloroethene	11.100	164	175966	97.300	ug/l	99
62) Toluene	10.629	91	954854	97.017	ug/l	98
64) Chlorobenzene	11.888	112	582322	98.008	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	211092	96.671	ug/l	99
66) Ethyl Benzene	11.965	91	1057324	102.222	ug/l	97
67) m/p-Xylenes	12.071	106	800698	202.196	ug/l	99
68) o-Xylene	12.394	106	393457	103.001	ug/l	98
69) Styrene	12.412	104	664652	103.773	ug/l	99
70) Isopropylbenzene	12.694	105	974870	102.732	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	293813	95.526	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	247347m	84.297	ug/l	
73) Bromobenzene	12.976	156	245959	100.496	ug/l	98
74) n-propylbenzene	13.035	91	1143491	103.052	ug/l	99
75) 2-Chlorotoluene	13.123	91	722984	100.052	ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	830495	102.432	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	112802	104.723	ug/l	91
78) 4-Chlorotoluene	13.223	91	737525	101.018	ug/l	99
79) tert-butylbenzene	13.435	119	716107	106.804	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	860667	105.223	ug/l	99
81) sec-Butylbenzene	13.617	105	973025	105.317	ug/l	100
82) p-Isopropyltoluene	13.729	119	827966	106.655	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	453157	100.115	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	448828	100.351	ug/l	99
85) n-Butylbenzene	14.053	91	712477	109.276	ug/l	99
86) Hexachloroethane	14.329	117	152797	96.241	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	438040	98.208	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	56385	95.009	ug/l	91
89) 1,2,4-Trichlorobenzene	15.835	180	224355	103.306	ug/l	96
90) Hexachlorobutadiene	15.500	225	90825	95.741	ug/l	95
91) Naphthalene	15.635	128	770611	111.109	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	224355	103.306	ug/l	96

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

ICAL Form

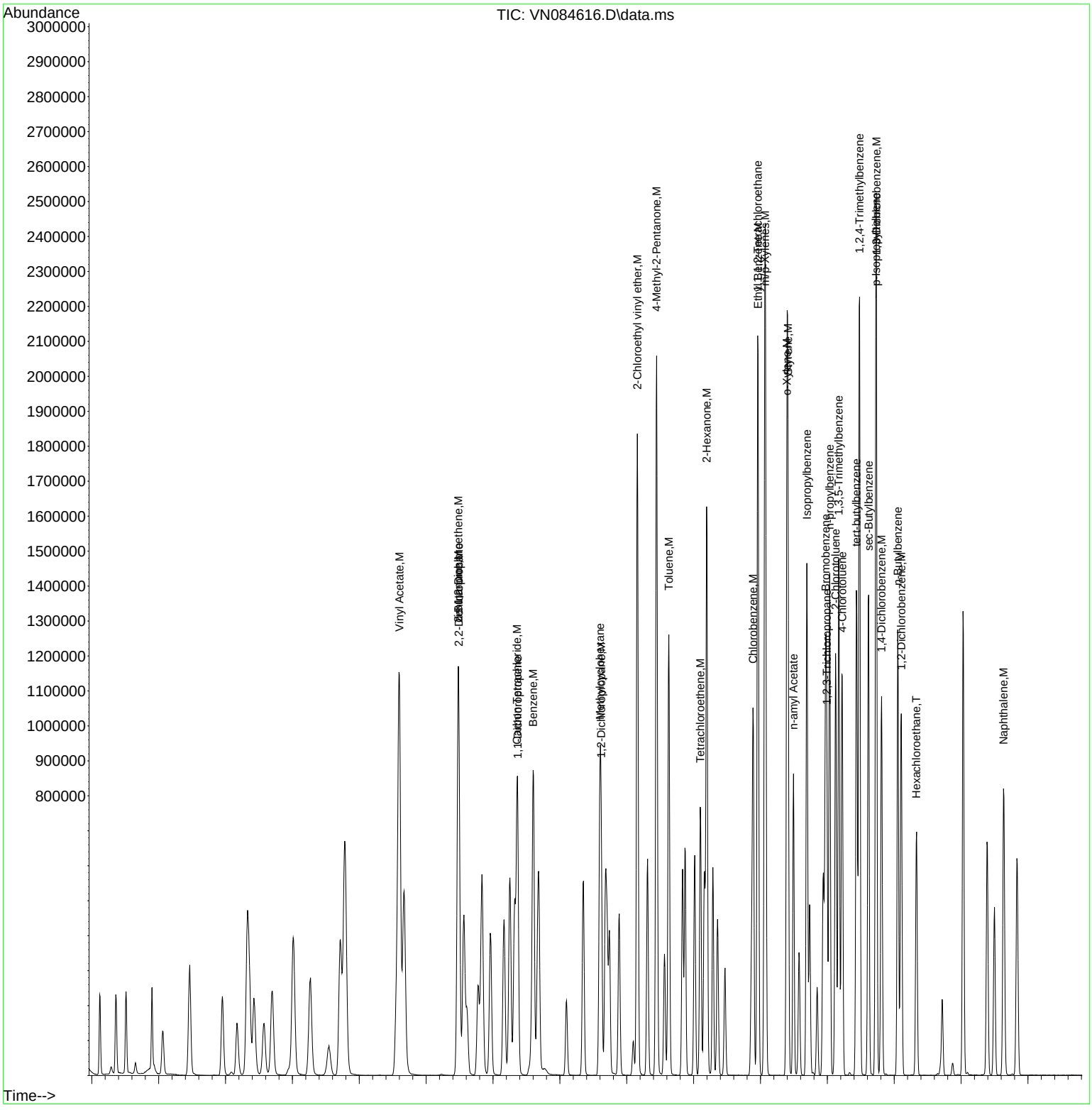
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084616.D
Acq On : 31 Oct 2024 13:20
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:23:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084617.D
Acq On : 31 Oct 2024 13:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 02:24:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	34315	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	189928	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	174515	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	82785	30.008	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.033%				
60) 4-Bromofluorobenzene	12.847	95	91818	30.557	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.867%				
63) Toluene-d8	10.565	98	244038	29.539	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.467%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	299645	150.135	ug/l		94
3) Chloromethane	2.359	50	360263	149.927	ug/l		100
4) Vinyl Chloride	2.512	62	330947	148.318	ug/l		95
5) Bromomethane	2.900	94	166205	146.755	ug/l		99
6) Chloroethane	3.053	64	211245	142.454	ug/l		90
7) Trichlorofluoromethane	3.459	101	537825	148.417	ug/l		99
8) Diethyl Ether	3.953	74	208008	160.923	ug/l		96
9) 1,1,2-Trichlorotrifluo...	4.347	101	304904	148.885	ug/l		100
10) 1,1-Dichloroethene	4.324	96	309990	155.009	ug/l		93
11) Methyl Iodide	4.577	142	418106	152.116	ug/l		93
12) Methyl Acetate	5.018	43	413207	132.418	ug/l		97
13) Acrolein	4.171	56	297469	773.843	ug/l		98
14) Acrylonitrile	5.718	53	803457	787.881	ug/l		98
15) Acetone	4.424	58	199728	762.223	ug/l		94
16) Carbon Disulfide	4.694	76	898255	152.651	ug/l		98
17) Allyl chloride	5.012	41	542863	160.886	ug/l		96
18) Methylene Chloride	5.265	84	343819	146.714	ug/l		95
19) trans-1,2-Dichloroethene	5.777	96	318103	151.754	ug/l		89
20) Diisopropyl ether	6.671	45	1072240	157.183	ug/l		98
21) 1,1-Dichloroethane	6.559	63	606359	147.807	ug/l		97
22) cis-1,2-Dichloroethene	7.482	96	389337	155.576	ug/l		94
23) tert-Butyl Alcohol	5.553	59	268783	754.978	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	1046401	161.805	ug/l		98
25) Chloroform	7.965	83	622385	148.078	ug/l		96
26) Cyclohexane	8.253	56	511647	163.276	ug/l	#	98
29) 1,1-Dichloropropene	8.371	75	437707	153.006	ug/l		100
30) 2-Butanone	7.482	43	1009048	764.664	ug/l		98
31) 2,2-Dichloropropane	7.488	77	508098	145.502	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	565049	145.389	ug/l		99
33) Carbon Tetrachloride	8.359	117	490498	147.903	ug/l		98
34) Benzene	8.600	78	1384757	146.447	ug/l		96
35) Methacrylonitrile	7.777	41	245428	156.925	ug/l		99
36) 1,2-Dichloroethane	8.665	62	459837	146.236	ug/l		99
37) Trichloroethene	9.347	130	321371	150.657	ug/l		93
38) Methylcyclohexane	9.600	83	499572	162.217	ug/l		97
39) 1,2-Dichloropropane	9.618	63	337522	148.284	ug/l		96
40) Dibromomethane	9.706	93	233108	146.393	ug/l		99
41) Bromodichloromethane	9.888	83	504647	147.833	ug/l		98
42) Vinyl Acetate	6.600	43	3914346	793.588	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084617.D
Acq On : 31 Oct 2024 13:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:24:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	428446	152.653 ug/l	97
44) Isopropyl Acetate	8.688	43	741325	132.033 ug/l	96
45) 1,4-Dioxane	9.700	88	117373	3131.238 ug/l	96
46) Methyl methacrylate	9.682	41	357456	158.423 ug/l	98
47) n-amyl Acetate	12.494	43	667282	159.131 ug/l	94
48) t-1,3-Dichloropropene	10.835	75	523588	155.334 ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	561762	155.501 ug/l	94
50) 1,1,2-Trichloroethane	11.018	97	311081	145.645 ug/l	95
51) Ethyl methacrylate	10.876	69	534438	162.326 ug/l	96
52) 1,3-Dichloropropane	11.165	76	544181	146.779 ug/l	99
53) Dibromochloromethane	11.359	129	378123	151.277 ug/l	98
54) 1,2-Dibromoethane	11.470	107	321983	149.047 ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	1267478	785.232 ug/l	99
56) Bromoform	12.576	173	254436	151.864 ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	2085089	757.339 ug/l	98
59) 2-Hexanone	11.200	43	1531300	759.555 ug/l	98
61) Tetrachloroethene	11.100	164	271458	148.628 ug/l	98
62) Toluene	10.629	91	1481581	149.056 ug/l	98
64) Chlorobenzene	11.888	112	896579	149.418 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	321277	145.687 ug/l	100
66) Ethyl Benzene	11.965	91	1652923	158.236 ug/l	96
67) m/p-Xylenes	12.070	106	1242416	310.660 ug/l	100
68) o-Xylene	12.400	106	604062	156.582 ug/l	98
69) Styrene	12.412	104	1029762	159.199 ug/l	99
70) Isopropylbenzene	12.694	105	1528377	159.480 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	443836	142.885 ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	379116m	127.935 ug/l	
73) Bromobenzene	12.982	156	370688	149.971 ug/l	97
74) n-propylbenzene	13.035	91	1804610	161.034 ug/l	99
75) 2-Chlorotoluene	13.123	91	1112415	152.433 ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	1295565	158.223 ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	177307	162.992 ug/l	90
78) 4-Chlorotoluene	13.223	91	1139441	154.535 ug/l	100
79) tert-butylbenzene	13.435	119	1114831	164.638 ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	1321571	159.986 ug/l	98
81) sec-Butylbenzene	13.617	105	1521726	163.089 ug/l	100
82) p-Isopropyltoluene	13.729	119	1304826	166.431 ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	699236	152.963 ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	698605	154.663 ug/l	99
85) n-Butylbenzene	14.053	91	1148718	174.453 ug/l	99
86) Hexachloroethane	14.335	117	244372	152.408 ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	680730	151.120 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	91914	153.355 ug/l	92
89) 1,2,4-Trichlorobenzene	15.841	180	369695	168.557 ug/l	96
90) Hexachlorobutadiene	15.500	225	151702	158.343 ug/l	94
91) Naphthalene	15.641	128	1260875	180.011 ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	369695	168.557 ug/l	96

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

ICAL Form

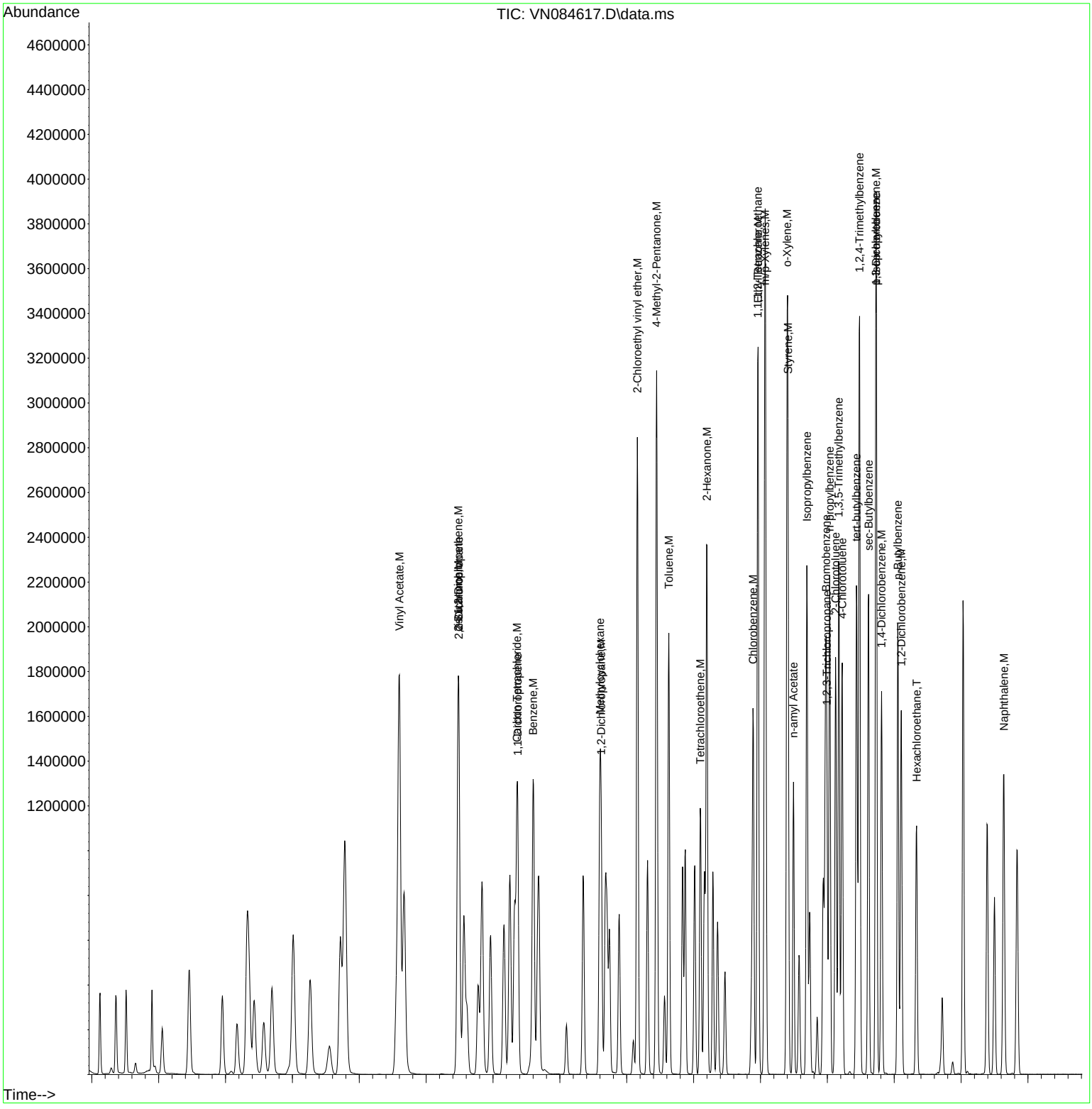
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084617.D
Acq On : 31 Oct 2024 13:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:24:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:19:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084619.D
Acq On : 31 Oct 2024 14:42
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103124

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 02:42:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	33219	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	181690	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	170699	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.576	65	78518	29.401	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.000%				
60) 4-Bromofluorobenzene	12.847	95	87996	29.939	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.800%				
63) Toluene-d8	10.565	98	235463	29.138	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.133%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	39007	20.189	ug/l		96
3) Chloromethane	2.359	50	45924	19.742	ug/l		96
4) Vinyl Chloride	2.512	62	43634	20.200	ug/l		96
5) Bromomethane	2.900	94	21634	19.733	ug/l		100
6) Chloroethane	3.077	64	27349	19.284	ug/l	#	89
7) Trichlorofluoromethane	3.471	101	70373	20.061	ug/l		100
8) Diethyl Ether	3.953	74	26411	21.107	ug/l		92
9) 1,1,2-Trichlorotrifluo...	4.353	101	41161	20.762	ug/l		98
10) 1,1-Dichloroethene	4.330	96	38591	19.934	ug/l		94
11) Methyl Iodide	4.577	142	52797	19.843	ug/l		92
12) Methyl Acetate	5.018	43	54572	18.084	ug/l		98
13) Acrolein	4.171	56	36257	97.432	ug/l		97
14) Acrylonitrile	5.718	53	99433	100.722	ug/l		97
15) Acetone	4.430	58	26069	102.773	ug/l		95
16) Carbon Disulfide	4.700	76	112949	19.828	ug/l		98
17) Allyl chloride	5.012	41	62388	18.913	ug/l		93
18) Methylene Chloride	5.265	84	43401	19.131	ug/l		98
19) trans-1,2-Dichloroethene	5.783	96	39248	19.342	ug/l		94
20) Diisopropyl ether	6.665	45	129663	19.635	ug/l		97
21) 1,1-Dichloroethane	6.565	63	76784	19.334	ug/l		97
22) cis-1,2-Dichloroethene	7.482	96	46989	19.396	ug/l		97
23) tert-Butyl Alcohol	5.541	59	37052	107.508	ug/l	#	100
24) Methyl tert-Butyl Ether	5.788	73	122468	19.562	ug/l		100
25) Chloroform	7.965	83	79286	19.486	ug/l		97
26) Cyclohexane	8.253	56	62127	20.480	ug/l	#	99
29) 1,1-Dichloropropene	8.371	75	53477	19.541	ug/l		99
30) 2-Butanone	7.482	43	126487	100.199	ug/l		100
31) 2,2-Dichloropropane	7.488	77	66622	19.943	ug/l		99
32) 1,1,1-Trichloroethane	8.165	97	71786	19.308	ug/l		99
33) Carbon Tetrachloride	8.365	117	62252	19.622	ug/l		94
34) Benzene	8.606	78	173675	19.200	ug/l	#	95
35) Methacrylonitrile	7.777	41	29897	19.983	ug/l		98
36) 1,2-Dichloroethane	8.671	62	57389	19.078	ug/l		99
37) Trichloroethene	9.353	130	40639	19.915	ug/l		85
38) Methylcyclohexane	9.600	83	57621	19.559	ug/l		97
39) 1,2-Dichloropropane	9.623	63	41855	19.222	ug/l		90
40) Dibromomethane	9.706	93	29763	19.539	ug/l		97
41) Bromodichloromethane	9.882	83	63336	19.395	ug/l		94
42) Vinyl Acetate	6.600	43	471501	99.926	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084619.D
Acq On : 31 Oct 2024 14:42
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:42:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103124

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	52600	19.830	ug/l	96
44) Isopropyl Acetate	8.688	43	98265	18.295	ug/l	100
45) 1,4-Dioxane	9.694	88	14685	409.524	ug/l	94
46) Methyl methacrylate	9.682	41	42350	19.620	ug/l	91
47) n-amyl Acetate	12.494	43	79469	19.811	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	63042	19.551	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	67490	19.529	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	40428	19.786	ug/l	92
51) Ethyl methacrylate	10.870	69	61356	19.481	ug/l	96
52) 1,3-Dichloropropane	11.165	76	68595	19.341	ug/l	98
53) Dibromochloromethane	11.359	129	47080	19.690	ug/l	98
54) 1,2-Dibromoethane	11.465	107	40000	19.356	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	158206	102.456	ug/l	99
56) Bromoform	12.582	173	31892	19.898	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	269754	100.170	ug/l	98
59) 2-Hexanone	11.194	43	196485	99.639	ug/l	99
61) Tetrachloroethene	11.100	164	34173	19.129	ug/l	94
62) Toluene	10.629	91	184150	18.941	ug/l	99
64) Chlorobenzene	11.894	112	114563	19.519	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	40847	18.937	ug/l	97
66) Ethyl Benzene	11.965	91	193657	18.953	ug/l	95
67) m/p-Xylenes	12.070	106	153096	39.137	ug/l	98
68) o-Xylene	12.400	106	73335	19.434	ug/l	95
69) Styrene	12.412	104	124645	19.701	ug/l	99
70) Isopropylbenzene	12.694	105	188026	20.058	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.935	83	58559	19.273	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	55357m	21.337	ug/l	
73) Bromobenzene	12.982	156	46221	19.118	ug/l	94
74) n-propylbenzene	13.035	91	217666	19.858	ug/l	100
75) 2-Chlorotoluene	13.123	91	141697	19.851	ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	160297	20.014	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	20549	19.312	ug/l	95
78) 4-Chlorotoluene	13.217	91	141472	19.616	ug/l	99
79) tert-butylbenzene	13.441	119	134979	20.379	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	160493	19.863	ug/l	99
81) sec-Butylbenzene	13.617	105	179829	19.704	ug/l	100
82) p-Isopropyltoluene	13.729	119	148622	19.381	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	86431	19.330	ug/l	97
84) 1,4-Dichlorobenzene	13.811	146	87143	19.724	ug/l	97
85) n-Butylbenzene	14.053	91	124802	19.377	ug/l	99
86) Hexachloroethane	14.335	117	30122	19.206	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	86578	19.650	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12268	20.926	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	43307	20.187	ug/l	98
90) Hexachlorobutadiene	15.500	225	19143	20.428	ug/l	96
91) Naphthalene	15.641	128	132615	19.356	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	43307	20.187	ug/l	98

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

ICAL Form

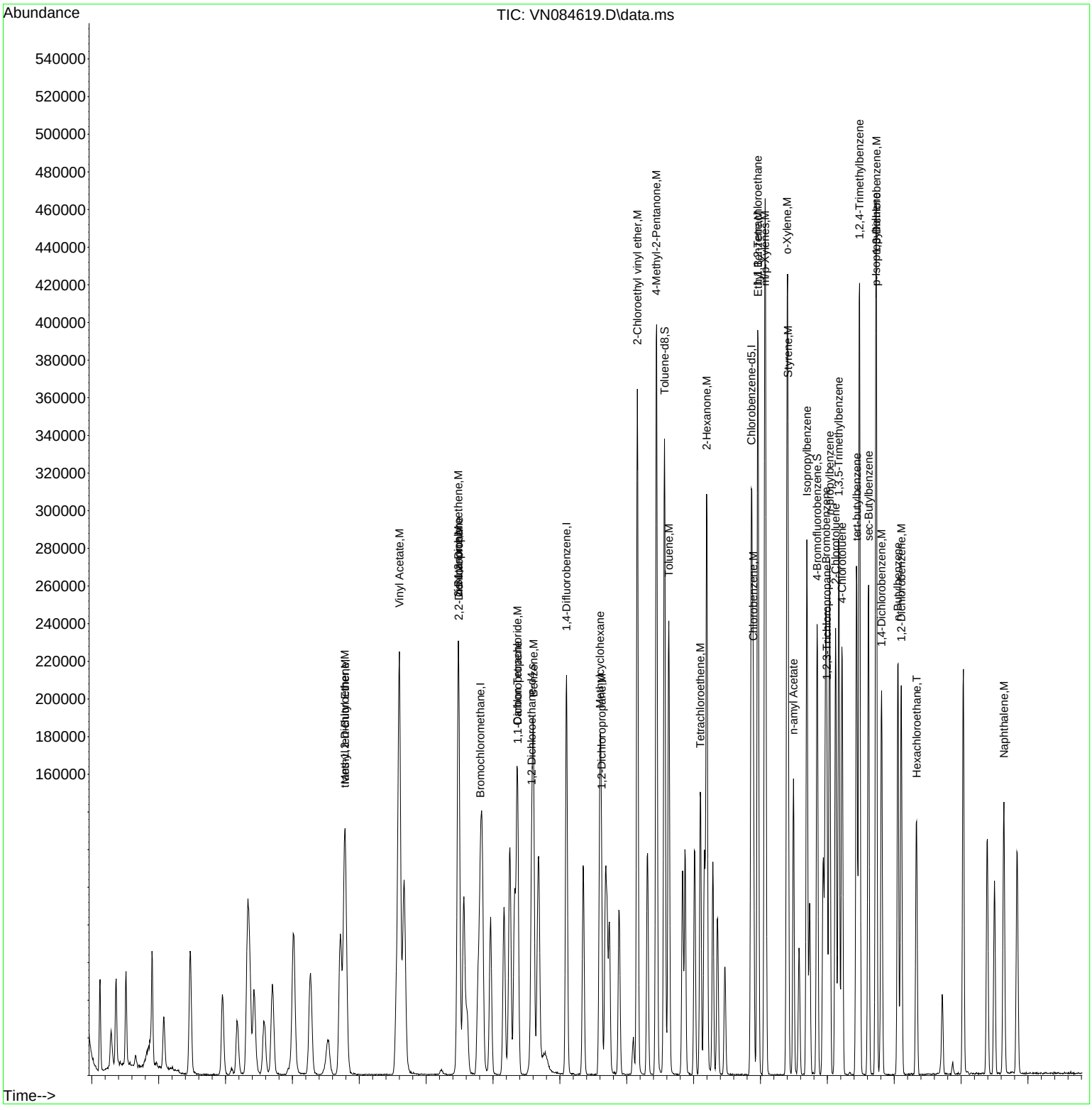
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084619.D
Acq On : 31 Oct 2024 14:42
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 02:42:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103124

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084619.D
Acq On : 31 Oct 2024 14:42
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103124

Quant Time: Nov 01 02:42:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
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	106	0.00
2	M	Dichlorodifluoromethane	1.745	1.761	-0.9	102	0.00
3	M	Chloromethane	2.101	2.074	1.3	101	0.00
4	M	Vinyl Chloride	1.951	1.970	-1.0	102	0.00
5	M	Bromomethane	0.990	0.977	1.3	95	0.00
6	M	Chloroethane	1.281	1.235	3.6	98	0.02
7	M	Trichlorofluoromethane	3.168	3.178	-0.3	100	0.00
8	T	Diethyl Ether	1.130	1.193	-5.6	109	0.00
9		1,1,2-Trichlorotrifluoroeth	1.790	1.859	-3.9	102	0.00
10	M	1,1-Dichloroethene	1.748	1.743	0.3	101	0.00
11		Methyl Iodide	2.403	2.384	0.8	101	0.00
12		Methyl Acetate	2.725	2.464	9.6	97	0.00
13	M	Acrolein	0.336	0.327	2.7	99	0.00
14	M	Acrylonitrile	0.892	0.898	-0.7	106	0.00
15	M	Acetone	0.229	0.235	-2.6	107	0.00
16	M	Carbon Disulfide	5.144	5.100	0.9	101	0.00
17		Allyl chloride	2.979	2.817	5.4	96	0.00
18	M	Methylene Chloride	2.049	1.960	4.3	94	0.00
19	M	trans-1,2-Dichloroethene	1.833	1.772	3.3	99	0.00
20	T	Diisopropyl ether	5.964	5.855	1.8	99	0.00
21	M	1,1-Dichloroethane	3.587	3.467	3.3	97	0.00
22	M	cis-1,2-Dichloroethene	2.188	2.122	3.0	101	0.00
23	M	tert-Butyl Alcohol	0.311	0.335	-7.7	115	0.00
24	M	Methyl tert-Butyl Ether	5.654	5.530	2.2	101	0.00
25	M	Chloroform	3.675	3.580	2.6	97	0.00
26		Cyclohexane	2.740	2.805	-2.4	106	0.00
27	s	1,2-Dichloroethane-d4	2.412	2.364	2.0	102	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
29		1,1-Dichloropropene	0.452	0.441	2.4	100	0.00
30	M	2-Butanone	0.208	0.209	-0.5	106	0.00
31		2,2-Dichloropropane	0.552	0.550	0.4	99	0.00
32	M	1,1,1-Trichloroethane	0.614	0.593	3.4	97	0.00
33	M	Carbon Tetrachloride	0.524	0.514	1.9	101	0.00
34	M	Benzene	1.494	1.434	4.0	99	0.00
35		Methacrylonitrile	0.247	0.247	0.0	106	0.00
36	M	1,2-Dichloroethane	0.497	0.474	4.6	96	0.00
37	M	Trichloroethene	0.337	0.336	0.3	101	0.00
38		Methylcyclohexane	0.486	0.476	2.1	105	0.00
39	M	1,2-Dichloropropane	0.360	0.346	3.9	98	0.00
40		Dibromomethane	0.252	0.246	2.4	99	0.00
41	M	Bromodichloromethane	0.539	0.523	3.0	101	0.00
42	M	Vinyl Acetate	0.779	0.779	0.0	105	0.00
43		Ethyl Acetate	0.438	0.434	0.9	107	0.00
44		Isopropyl Acetate	0.887	0.811	8.6	101	0.00
45	T	1,4-Dioxane	0.006	0.006	0.0	107	0.00
46		Methyl methacrylate	0.356	0.350	1.7	106	0.00
47		n-amyl Acetate	0.662	0.656	0.9	104	0.00
48	M	t-1,3-Dichloropropene	0.532	0.520	2.3	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084619.D
Acq On : 31 Oct 2024 14:42
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103124

Quant Time: Nov 01 02:42:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
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	0.571	0.557	2.5	101	0.00
50	M	1,1,2-Trichloroethane	0.337	0.334	0.9	100	0.00
51		Ethyl methacrylate	0.520	0.507	2.5	106	0.00
52		1,3-Dichloropropane	0.586	0.566	3.4	98	0.00
53	M	Dibromochloromethane	0.395	0.389	1.5	102	0.00
54	M	1,2-Dibromoethane	0.341	0.330	3.2	98	0.00
55	M	2-Chloroethyl vinyl ether	0.255	0.261	-2.4	104	0.00
56	M	Bromoform	0.265	0.263	0.8	106	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00
58	M	4-Methyl-2-Pentanone	0.473	0.474	-0.2	107	0.00
59	M	2-Hexanone	0.347	0.345	0.6	108	0.00
60	S	4-Bromofluorobenzene	0.517	0.516	0.2	113	0.00
61	M	Tetrachloroethene	0.314	0.300	4.5	101	0.00
62	M	Toluene	1.709	1.618	5.3	101	0.00
63	S	Toluene-d8	1.420	1.379	2.9	106	0.00
64	M	Chlorobenzene	1.032	1.007	2.4	104	0.00
65		1,1,1,2-Tetrachloroethane	0.379	0.359	5.3	100	0.00
66	M	Ethyl Benzene	1.796	1.702	5.2	103	0.00
67	M	m/p-Xylenes	0.687	0.673	2.0	105	0.00
68	M	o-Xylene	0.663	0.644	2.9	103	0.00
69	M	Styrene	1.112	1.095	1.5	107	0.00
70		Isopropylbenzene	1.647	1.652	-0.3	110	0.00
71	M	1,1,2,2-Tetrachloroethane	0.534	0.515	3.6	100	0.00
72		1,2,3-Trichloropropane	0.456	0.486	-6.6	102	0.00
73		Bromobenzene	0.425	0.406	4.5	102	0.00
74		n-propylbenzene	1.926	1.913	0.7	108	0.00
75		2-Chlorotoluene	1.255	1.245	0.8	107	0.00
76		1,3,5-Trimethylbenzene	1.408	1.409	-0.1	108	0.00
77		t-1,4-Dichloro-2-butene	0.187	0.181	3.2	105	0.00
78		4-Chlorotoluene	1.268	1.243	2.0	106	0.00
79		tert-butylbenzene	1.164	1.186	-1.9	115	0.00
80		1,2,4-Trimethylbenzene	1.420	1.410	0.7	108	0.00
81		sec-Butylbenzene	1.604	1.580	1.5	109	0.00
82		p-Isopropyltoluene	1.348	1.306	3.1	108	0.00
83	M	1,3-Dichlorobenzene	0.786	0.760	3.3	104	0.00
84	M	1,4-Dichlorobenzene	0.776	0.766	1.3	108	0.00
85		n-Butylbenzene	1.132	1.097	3.1	114	0.00
86	T	Hexachloroethane	0.276	0.265	4.0	103	0.00
87	M	1,2-Dichlorobenzene	0.774	0.761	1.7	103	0.00
88		1,2-Dibromo-3-Chloropropane	0.103	0.108	-4.9	111	0.00
89		1,2,4-Trichlorobenzene	0.377	0.381	-1.1	110	0.00
90		Hexachlorobutadiene	0.165	0.168	-1.8	111	0.00
91	M	Naphthalene	1.204	1.165	3.2	115	0.00
92		1,2,3-Trichlorobenzene	0.377	0.381	-1.1	110	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_N\Data\VN103124\
Data File : VN084619.D
Acq On : 31 Oct 2024 14:42
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103124

Quant Time: Nov 01 02:42:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
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	106	0.00
2	M	Dichlorodifluoromethane	20.000	20.189	-0.9	102	0.00
3	M	Chloromethane	20.000	19.742	1.3	101	0.00
4	M	Vinyl Chloride	20.000	20.200	-1.0	102	0.00
5	M	Bromomethane	20.000	19.733	1.3	95	0.00
6	M	Chloroethane	20.000	19.284	3.6	98	0.02
7	M	Trichlorofluoromethane	20.000	20.061	-0.3	100	0.00
8	T	Diethyl Ether	20.000	21.107	-5.5	109	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	20.762	-3.8	102	0.00
10	M	1,1-Dichloroethene	20.000	19.934	0.3	101	0.00
11		Methyl Iodide	20.000	19.843	0.8	101	0.00
12		Methyl Acetate	20.000	18.084	9.6	97	0.00
13	M	Acrolein	100.000	97.432	2.6	99	0.00
14	M	Acrylonitrile	100.000	100.722	-0.7	106	0.00
15	M	Acetone	100.000	102.773	-2.8	107	0.00
16	M	Carbon Disulfide	20.000	19.828	0.9	101	0.00
17		Allyl chloride	20.000	18.913	5.4	96	0.00
18	M	Methylene Chloride	20.000	19.131	4.3	94	0.00
19	M	trans-1,2-Dichloroethene	20.000	19.342	3.3	99	0.00
20	T	Diisopropyl ether	20.000	19.635	1.8	99	0.00
21	M	1,1-Dichloroethane	20.000	19.334	3.3	97	0.00
22	M	cis-1,2-Dichloroethene	20.000	19.396	3.0	101	0.00
23	M	tert-Butyl Alcohol	100.000	107.508	-7.5	115	0.00
24	M	Methyl tert-Butyl Ether	20.000	19.562	2.2	101	0.00
25	M	Chloroform	20.000	19.486	2.6	97	0.00
26		Cyclohexane	20.000	20.480	-2.4	106	0.00
27	s	1,2-Dichloroethane-d4	30.000	29.401	2.0	102	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	106	0.00
29		1,1-Dichloropropene	20.000	19.541	2.3	100	0.00
30	M	2-Butanone	100.000	100.199	-0.2	106	0.00
31		2,2-Dichloropropane	20.000	19.943	0.3	99	0.00
32	M	1,1,1-Trichloroethane	20.000	19.308	3.5	97	0.00
33	M	Carbon Tetrachloride	20.000	19.622	1.9	101	0.00
34	M	Benzene	20.000	19.200	4.0	99	0.00
35		Methacrylonitrile	20.000	19.983	0.1	106	0.00
36	M	1,2-Dichloroethane	20.000	19.078	4.6	96	0.00
37	M	Trichloroethene	20.000	19.915	0.4	101	0.00
38		Methylcyclohexane	20.000	19.559	2.2	105	0.00
39	M	1,2-Dichloropropane	20.000	19.222	3.9	98	0.00
40		Dibromomethane	20.000	19.539	2.3	99	0.00
41	M	Bromodichloromethane	20.000	19.395	3.0	101	0.00
42	M	Vinyl Acetate	100.000	99.926	0.1	105	0.00
43		Ethyl Acetate	20.000	19.830	0.9	107	0.00
44		Isopropyl Acetate	20.000	18.295	8.5	101	0.00
45	T	1,4-Dioxane	400.000	409.524	-2.4	107	0.00
46		Methyl methacrylate	20.000	19.620	1.9	106	0.00
47		n-amyl Acetate	20.000	19.811	0.9	104	0.00
48	M	t-1,3-Dichloropropene	20.000	19.551	2.2	104	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084619.D
Acq On : 31 Oct 2024 14:42
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103124

Quant Time: Nov 01 02:42:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
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	19.529	2.4	101	0.00
50	M	1,1,2-Trichloroethane	20.000	19.786	1.1	100	0.00
51		Ethyl methacrylate	20.000	19.481	2.6	106	0.00
52		1,3-Dichloropropane	20.000	19.341	3.3	98	0.00
53	M	Dibromochloromethane	20.000	19.690	1.5	102	0.00
54	M	1,2-Dibromoethane	20.000	19.356	3.2	98	0.00
55	M	2-Chloroethyl vinyl ether	100.000	102.456	-2.5	104	0.00
56	M	Bromoform	20.000	19.898	0.5	106	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	111	0.00
58	M	4-Methyl-2-Pentanone	100.000	100.170	-0.2	107	0.00
59	M	2-Hexanone	100.000	99.639	0.4	108	0.00
60	S	4-Bromofluorobenzene	30.000	29.939	0.2	113	0.00
61	M	Tetrachloroethene	20.000	19.129	4.4	101	0.00
62	M	Toluene	20.000	18.941	5.3	101	0.00
63	S	Toluene-d8	30.000	29.138	2.9	106	0.00
64	M	Chlorobenzene	20.000	19.519	2.4	104	0.00
65		1,1,1,2-Tetrachloroethane	20.000	18.937	5.3	100	0.00
66	M	Ethyl Benzene	20.000	18.953	5.2	103	0.00
67	M	m/p-Xylenes	40.000	39.137	2.2	105	0.00
68	M	o-Xylene	20.000	19.434	2.8	103	0.00
69	M	Styrene	20.000	19.701	1.5	107	0.00
70		Isopropylbenzene	20.000	20.058	-0.3	110	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	19.273	3.6	100	0.00
72		1,2,3-Trichloropropane	20.000	21.337	-6.7	102	0.00
73		Bromobenzene	20.000	19.118	4.4	102	0.00
74		n-propylbenzene	20.000	19.858	0.7	108	0.00
75		2-Chlorotoluene	20.000	19.851	0.7	107	0.00
76		1,3,5-Trimethylbenzene	20.000	20.014	-0.1	108	0.00
77		t-1,4-Dichloro-2-butene	20.000	19.312	3.4	105	0.00
78		4-Chlorotoluene	20.000	19.616	1.9	106	0.00
79		tert-butylbenzene	20.000	20.379	-1.9	115	0.00
80		1,2,4-Trimethylbenzene	20.000	19.863	0.7	108	0.00
81		sec-Butylbenzene	20.000	19.704	1.5	109	0.00
82		p-Isopropyltoluene	20.000	19.381	3.1	108	0.00
83	M	1,3-Dichlorobenzene	20.000	19.330	3.4	104	0.00
84	M	1,4-Dichlorobenzene	20.000	19.724	1.4	108	0.00
85		n-Butylbenzene	20.000	19.377	3.1	114	0.00
86	T	Hexachloroethane	20.000	19.206	4.0	103	0.00
87	M	1,2-Dichlorobenzene	20.000	19.650	1.8	103	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	20.926	-4.6	111	0.00
89		1,2,4-Trichlorobenzene	20.000	20.187	-0.9	110	0.00
90		Hexachlorobutadiene	20.000	20.428	-2.1	111	0.00
91	M	Naphthalene	20.000	19.356	3.2	115	0.00
92		1,2,3-Trichlorobenzene	20.000	20.187	-0.9	110	0.00

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

Raw Data: **VN085022.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.: P4967 SAS No.: P4967 SDG No.: P4967

Instrument ID: MSVOA_N Calibration Date/Time: 11/25/2024 10:59

Lab File ID: VN085022.D Init. Calib. Date(s): 10/31/2024 10/31/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:08 18:13

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Benzene	1.494	1.470	0.5	-1.61	
Toluene	1.709	1.640	0.4	-4.04	
Ethyl Benzene	1.796	1.679	0.1	-6.51	
m/p-Xylenes	0.687	0.664	0.3	-3.35	
o-Xylene	0.663	0.616	0.3	-7.09	
1,2-Dichloroethane-d4	2.412	2.453	0.01	1.7	
Toluene-d8	1.420	1.409	0.01	-0.77	
4-Bromofluorobenzene	0.517	0.534	0.2	3.29	

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

Sample Results: **VN085022.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085022.D
Acq On : 25 Nov 2024 10:59
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 15:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	28386	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.094	114	151585	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	140690	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.571	65	69639	30.516	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.733%				
60) 4-Bromofluorobenzene	12.847	95	75100	31.002	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.333%				
63) Toluene-d8	10.565	98	198298	29.773	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.233%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	35287	21.373	ug/l		95
3) Chloromethane	2.359	50	37727	18.980	ug/l		100
4) Vinyl Chloride	2.512	62	36081	19.548	ug/l		95
5) Bromomethane	2.901	94	19133	20.423	ug/l		98
6) Chloroethane	3.083	64	26403	21.786	ug/l	#	89
7) Trichlorofluoromethane	3.477	101	62824	20.958	ug/l		91
8) Diethyl Ether	3.953	74	20750	19.406	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.365	101	36113	21.317	ug/l		98
10) 1,1-Dichloroethene	4.330	96	32558	19.681	ug/l		90
11) Methyl Iodide	4.583	142	47215	20.766	ug/l		92
12) Methyl Acetate	5.018	43	42065	16.313	ug/l		90
13) Acrolein	4.171	56	30049	94.498	ug/l		99
14) Acrylonitrile	5.712	53	78901	93.532	ug/l		96
15) Acetone	4.424	58	21524	99.303	ug/l		99
16) Carbon Disulfide	4.700	76	91459	18.789	ug/l		99
17) Allyl chloride	5.018	41	50306	17.846	ug/l		99
18) Methylene Chloride	5.271	84	38266	19.739	ug/l		96
19) trans-1,2-Dichloroethene	5.777	96	32667	18.840	ug/l		86
20) Diisopropyl ether	6.665	45	108857	19.291	ug/l		99
21) 1,1-Dichloroethane	6.559	63	67015	19.748	ug/l		98
22) cis-1,2-Dichloroethene	7.488	96	39046	18.861	ug/l		99
23) tert-Butyl Alcohol	5.542	59	26364	89.521	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	102138	19.092	ug/l		96
25) Chloroform	7.959	83	69090	19.871	ug/l		98
26) Cyclohexane	8.253	56	51888	20.017	ug/l	#	97
29) 1,1-Dichloropropene	8.365	75	45502	19.929	ug/l		98
30) 2-Butanone	7.483	43	100133	95.076	ug/l		99
31) 2,2-Dichloropropane	7.483	77	59763	21.443	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	63404	20.441	ug/l		99
33) Carbon Tetrachloride	8.359	117	54925	20.751	ug/l		94
34) Benzene	8.600	78	148572	19.687	ug/l		96
35) Methacrylonitrile	7.771	41	24186	19.376	ug/l		97
36) 1,2-Dichloroethane	8.665	62	50965	20.307	ug/l	#	87
37) Trichloroethene	9.347	130	33887	19.904	ug/l		97
38) Methylcyclohexane	9.600	83	48147	19.588	ug/l		100
39) 1,2-Dichloropropane	9.612	63	36132	19.889	ug/l		91
40) Dibromomethane	9.706	93	24720	19.451	ug/l		96
41) Bromodichloromethane	9.882	83	53929	19.794	ug/l		96
42) Vinyl Acetate	6.594	43	376377	95.607	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085022.D
Acq On : 25 Nov 2024 10:59
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 15:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.553	43	41312	18.668 ug/l #	87
44) Isopropyl Acetate	8.683	43	71406	15.935 ug/l	94
45) 1,4-Dioxane	9.694	88	11548	386.000 ug/l	96
46) Methyl methacrylate	9.677	41	31556	17.523 ug/l	89
47) n-amyl Acetate	12.494	43	56815	16.976 ug/l	100
48) t-1,3-Dichloropropene	10.829	75	50413	18.739 ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	56704	19.667 ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	34229	20.079 ug/l	90
51) Ethyl methacrylate	10.871	69	47848	18.209 ug/l	94
52) 1,3-Dichloropropane	11.159	76	57760	19.520 ug/l	98
53) Dibromochloromethane	11.353	129	39663	19.882 ug/l	98
54) 1,2-Dibromoethane	11.465	107	34013	19.727 ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	102375	79.467 ug/l	98
56) Bromoform	12.576	173	26099	19.518 ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	202751	91.348 ug/l	98
59) 2-Hexanone	11.194	43	150357	92.511 ug/l	97
61) Tetrachloroethene	11.100	164	29649	20.136 ug/l	94
62) Toluene	10.629	91	153861	19.201 ug/l	98
64) Chlorobenzene	11.888	112	93484	19.325 ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	35968	20.231 ug/l	99
66) Ethyl Benzene	11.959	91	157475	18.700 ug/l	95
67) m/p-Xylenes	12.065	106	124579	38.640 ug/l	98
68) o-Xylene	12.394	106	57751	18.569 ug/l	93
69) Styrene	12.412	104	98061	18.805 ug/l	99
70) Isopropylbenzene	12.694	105	148650	19.240 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	47890	19.124 ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	44267m	20.702 ug/l	
73) Bromobenzene	12.976	156	39487	19.816 ug/l	98
74) n-propylbenzene	13.035	91	174516	19.317 ug/l	100
75) 2-Chlorotoluene	13.123	91	115292	19.597 ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	129068	19.552 ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	16011	18.257 ug/l	87
78) 4-Chlorotoluene	13.218	91	111612	18.777 ug/l	99
79) tert-butylbenzene	13.435	119	105981	19.414 ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	132299	19.866 ug/l	96
81) sec-Butylbenzene	13.612	105	147631	19.626 ug/l	100
82) p-Isopropyltoluene	13.729	119	124803	19.746 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	70408	19.105 ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	67627	18.571 ug/l	99
85) n-Butylbenzene	14.053	91	100290	18.893 ug/l	97
86) Hexachloroethane	14.329	117	25474	19.707 ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	68817	18.950 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9079	18.790 ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	31668	17.910 ug/l	97
90) Hexachlorobutadiene	15.494	225	17151	22.206 ug/l	95
91) Naphthalene	15.635	128	90609	16.046 ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	31668	17.910 ug/l	97

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

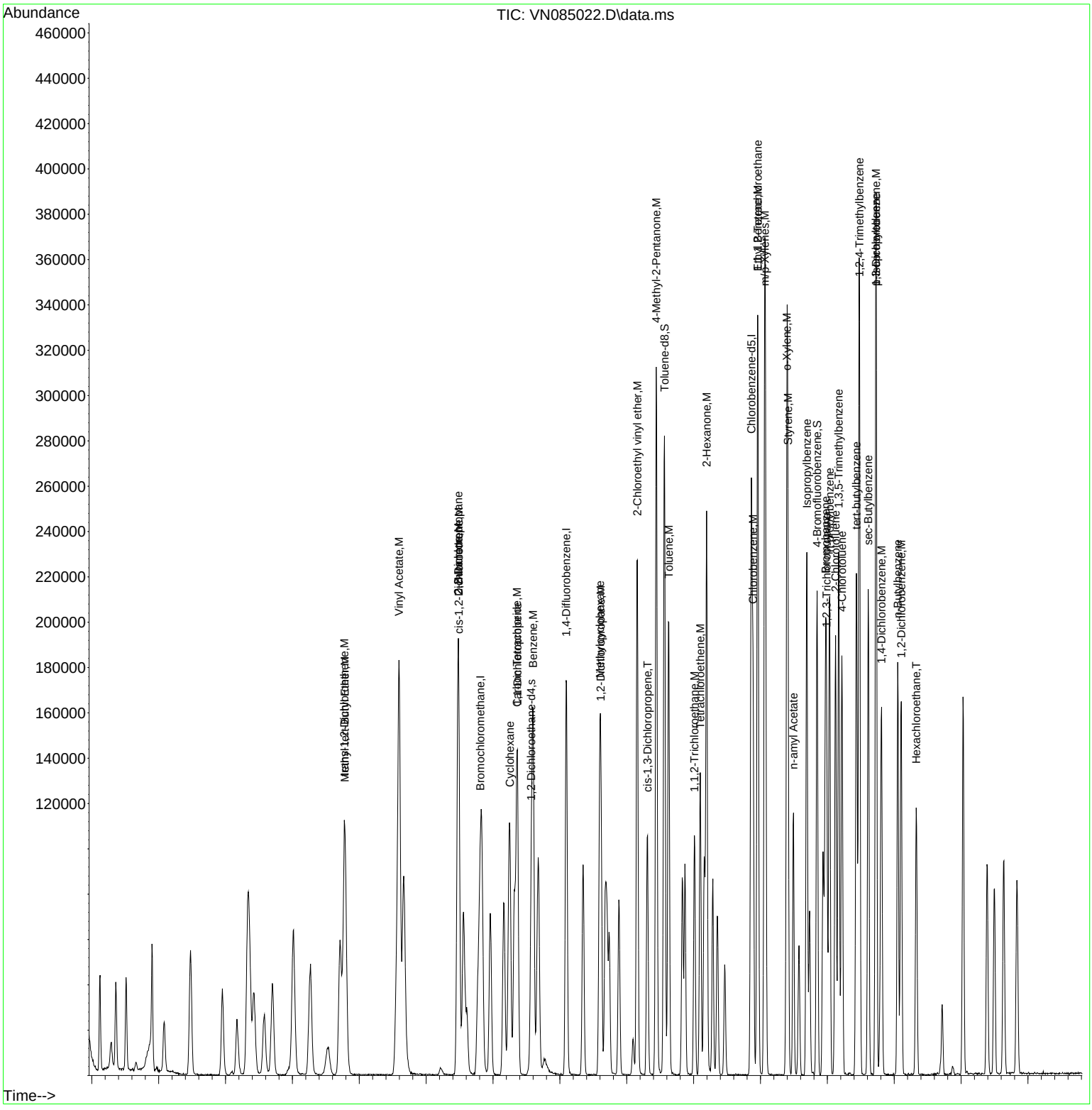
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085022.D
Acq On : 25 Nov 2024 10:59
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 15:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024



Sample Results: **VN085022.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085022.D
Acq On : 25 Nov 2024 10:59
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 25 15:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
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	91	0.00
2	M	Dichlorodifluoromethane	1.745	1.865	-6.9	92	0.00
3	M	Chloromethane	2.101	1.994	5.1	83	0.00
4	M	Vinyl Chloride	1.951	1.907	2.3	84	0.00
5	M	Bromomethane	0.990	1.011	-2.1	84	0.00
6	M	Chloroethane	1.281	1.395	-8.9	94	0.02
7	M	Trichlorofluoromethane	3.168	3.320	-4.8	89	0.01
8	T	Diethyl Ether	1.130	1.096	3.0	85	0.00
9		1,1,2-Trichlorotrifluoroeth	1.790	1.908	-6.6	89	0.00
10	M	1,1-Dichloroethene	1.748	1.720	1.6	85	0.00
11		Methyl Iodide	2.403	2.495	-3.8	90	0.00
12		Methyl Acetate	2.725	2.223	18.4	75	0.00
13	M	Acrolein	0.336	0.318	5.4	82	0.00
14	M	Acrylonitrile	0.892	0.834	6.5	84	0.00
15	M	Acetone	0.229	0.227	0.9	88	0.00
16	M	Carbon Disulfide	5.144	4.833	6.0	82	0.00
17		Allyl chloride	2.979	2.658	10.8	78	0.01
18	M	Methylene Chloride	2.049	2.022	1.3	83	0.00
19	M	trans-1,2-Dichloroethene	1.833	1.726	5.8	82	0.00
20	T	Diisopropyl ether	5.964	5.752	3.6	83	0.00
21	M	1,1-Dichloroethane	3.587	3.541	1.3	85	0.00
22	M	cis-1,2-Dichloroethene	2.188	2.063	5.7	84	0.00
23	M	tert-Butyl Alcohol	0.311	0.279	10.3	81	0.00
24	M	Methyl tert-Butyl Ether	5.654	5.397	4.5	84	0.00
25	M	Chloroform	3.675	3.651	0.7	85	0.00
26		Cyclohexane	2.740	2.742	-0.1	88	0.00
27	s	1,2-Dichloroethane-d4	2.412	2.453	-1.7	90	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
29		1,1-Dichloropropene	0.452	0.450	0.4	85	0.00
30	M	2-Butanone	0.208	0.198	4.8	84	0.00
31		2,2-Dichloropropane	0.552	0.591	-7.1	89	0.00
32	M	1,1,1-Trichloroethane	0.614	0.627	-2.1	86	0.00
33	M	Carbon Tetrachloride	0.524	0.544	-3.8	89	0.00
34	M	Benzene	1.494	1.470	1.6	85	0.00
35		Methacrylonitrile	0.247	0.239	3.2	86	0.00
36	M	1,2-Dichloroethane	0.497	0.504	-1.4	85	0.00
37	M	Trichloroethene	0.337	0.335	0.6	84	0.00
38		Methylcyclohexane	0.486	0.476	2.1	88	0.00
39	M	1,2-Dichloropropane	0.360	0.358	0.6	85	0.00
40		Dibromomethane	0.252	0.245	2.8	82	0.00
41	M	Bromodichloromethane	0.539	0.534	0.9	86	0.00
42	M	Vinyl Acetate	0.779	0.745	4.4	84	0.00
43		Ethyl Acetate	0.438	0.409	6.6	84	0.00
44		Isopropyl Acetate	0.887	0.707	20.3	74	0.00
45	T	1,4-Dioxane	0.006	0.006	0.0	84	0.00
46		Methyl methacrylate	0.356	0.312	12.4	79	0.00
47		n-amyl Acetate	0.662	0.562	15.1	74	0.00
48	M	t-1,3-Dichloropropene	0.532	0.499	6.2	83	0.00

Sample Results: **VN085022.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085022.D
Acq On : 25 Nov 2024 10:59
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 25 15:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
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	0.571	0.561	1.8	85	0.00
50	M	1,1,2-Trichloroethane	0.337	0.339	-0.6	84	0.00
51		Ethyl methacrylate	0.520	0.473	9.0	83	0.00
52		1,3-Dichloropropane	0.586	0.572	2.4	83	0.00
53	M	Dibromochloromethane	0.395	0.392	0.8	86	0.00
54	M	1,2-Dibromoethane	0.341	0.337	1.2	83	0.00
55	M	2-Chloroethyl vinyl ether	0.255	0.203	20.4	67	0.00
56	M	Bromoform	0.265	0.258	2.6	87	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
58	M	4-Methyl-2-Pentanone	0.473	0.432	8.7	81	0.00
59	M	2-Hexanone	0.347	0.321	7.5	83	0.00
60	S	4-Bromofluorobenzene	0.517	0.534	-3.3	96	0.00
61	M	Tetrachloroethene	0.314	0.316	-0.6	87	0.00
62	M	Toluene	1.709	1.640	4.0	84	0.00
63	S	Toluene-d8	1.420	1.409	0.8	89	0.00
64	M	Chlorobenzene	1.032	0.997	3.4	85	0.00
65		1,1,1,2-Tetrachloroethane	0.379	0.383	-1.1	88	0.00
66	M	Ethyl Benzene	1.796	1.679	6.5	84	0.00
67	M	m/p-Xylenes	0.687	0.664	3.3	85	0.00
68	M	o-Xylene	0.663	0.616	7.1	81	0.00
69	M	Styrene	1.112	1.046	5.9	84	0.00
70		Isopropylbenzene	1.647	1.585	3.8	87	0.00
71	M	1,1,2,2-Tetrachloroethane	0.534	0.511	4.3	82	0.00
72		1,2,3-Trichloropropane	0.456	0.472	-3.5	82	0.00
73		Bromobenzene	0.425	0.421	0.9	87	0.00
74		n-propylbenzene	1.926	1.861	3.4	87	0.00
75		2-Chlorotoluene	1.255	1.229	2.1	87	0.00
76		1,3,5-Trimethylbenzene	1.408	1.376	2.3	87	0.00
77		t-1,4-Dichloro-2-butene	0.187	0.171	8.6	82	0.00
78		4-Chlorotoluene	1.268	1.190	6.2	84	0.00
79		tert-butylbenzene	1.164	1.130	2.9	90	0.00
80		1,2,4-Trimethylbenzene	1.420	1.411	0.6	89	0.00
81		sec-Butylbenzene	1.604	1.574	1.9	90	0.00
82		p-Isopropyltoluene	1.348	1.331	1.3	91	0.00
83	M	1,3-Dichlorobenzene	0.786	0.751	4.5	84	0.00
84	M	1,4-Dichlorobenzene	0.776	0.721	7.1	84	0.00
85		n-Butylbenzene	1.132	1.069	5.6	91	0.00
86	T	Hexachloroethane	0.276	0.272	1.4	87	0.00
87	M	1,2-Dichlorobenzene	0.774	0.734	5.2	82	0.00
88		1,2-Dibromo-3-Chloropropane	0.103	0.097	5.8	82	0.00
89		1,2,4-Trichlorobenzene	0.377	0.338	10.3	81	0.00
90		Hexachlorobutadiene	0.165	0.183	-10.9	99	0.00
91	M	Naphthalene	1.204	0.966	19.8	78	0.00
92		1,2,3-Trichlorobenzene	0.377	0.338	10.3	81	0.00

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

Sample Results: **VN085022.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085022.D
Acq On : 25 Nov 2024 10:59
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 25 15:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
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	91	0.00
2	M	Dichlorodifluoromethane	20.000	21.373	-6.9	92	0.00
3	M	Chloromethane	20.000	18.980	5.1	83	0.00
4	M	Vinyl Chloride	20.000	19.548	2.3	84	0.00
5	M	Bromomethane	20.000	20.423	-2.1	84	0.00
6	M	Chloroethane	20.000	21.786	-8.9	94	0.02
7	M	Trichlorofluoromethane	20.000	20.958	-4.8	89	0.01
8	T	Diethyl Ether	20.000	19.406	3.0	85	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	21.317	-6.6	89	0.00
10	M	1,1-Dichloroethene	20.000	19.681	1.6	85	0.00
11		Methyl Iodide	20.000	20.766	-3.8	90	0.00
12		Methyl Acetate	20.000	16.313	18.4	75	0.00
13	M	Acrolein	100.000	94.498	5.5	82	0.00
14	M	Acrylonitrile	100.000	93.532	6.5	84	0.00
15	M	Acetone	100.000	99.303	0.7	88	0.00
16	M	Carbon Disulfide	20.000	18.789	6.1	82	0.00
17		Allyl chloride	20.000	17.846	10.8	78	0.01
18	M	Methylene Chloride	20.000	19.739	1.3	83	0.00
19	M	trans-1,2-Dichloroethene	20.000	18.840	5.8	82	0.00
20	T	Diisopropyl ether	20.000	19.291	3.5	83	0.00
21	M	1,1-Dichloroethane	20.000	19.748	1.3	85	0.00
22	M	cis-1,2-Dichloroethene	20.000	18.861	5.7	84	0.00
23	M	tert-Butyl Alcohol	100.000	89.521	10.5	81	0.00
24	M	Methyl tert-Butyl Ether	20.000	19.092	4.5	84	0.00
25	M	Chloroform	20.000	19.871	0.6	85	0.00
26		Cyclohexane	20.000	20.017	-0.1	88	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.516	-1.7	90	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	88	0.00
29		1,1-Dichloropropene	20.000	19.929	0.4	85	0.00
30	M	2-Butanone	100.000	95.076	4.9	84	0.00
31		2,2-Dichloropropane	20.000	21.443	-7.2	89	0.00
32	M	1,1,1-Trichloroethane	20.000	20.441	-2.2	86	0.00
33	M	Carbon Tetrachloride	20.000	20.751	-3.8	89	0.00
34	M	Benzene	20.000	19.687	1.6	85	0.00
35		Methacrylonitrile	20.000	19.376	3.1	86	0.00
36	M	1,2-Dichloroethane	20.000	20.307	-1.5	85	0.00
37	M	Trichloroethene	20.000	19.904	0.5	84	0.00
38		Methylcyclohexane	20.000	19.588	2.1	88	0.00
39	M	1,2-Dichloropropane	20.000	19.889	0.6	85	0.00
40		Dibromomethane	20.000	19.451	2.7	82	0.00
41	M	Bromodichloromethane	20.000	19.794	1.0	86	0.00
42	M	Vinyl Acetate	100.000	95.607	4.4	84	0.00
43		Ethyl Acetate	20.000	18.668	6.7	84	0.00
44		Isopropyl Acetate	20.000	15.935	20.3	74	0.00
45	T	1,4-Dioxane	400.000	386.000	3.5	84	0.00
46		Methyl methacrylate	20.000	17.523	12.4	79	0.00
47		n-amyl Acetate	20.000	16.976	15.1	74	0.00
48	M	t-1,3-Dichloropropene	20.000	18.739	6.3	83	0.00

Sample Results: **VN085022.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085022.D
Acq On : 25 Nov 2024 10:59
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 25 15:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
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	19.667	1.7	85	0.00
50	M	1,1,2-Trichloroethane	20.000	20.079	-0.4	84	0.00
51		Ethyl methacrylate	20.000	18.209	9.0	83	0.00
52		1,3-Dichloropropane	20.000	19.520	2.4	83	0.00
53	M	Dibromochloromethane	20.000	19.882	0.6	86	0.00
54	M	1,2-Dibromoethane	20.000	19.727	1.4	83	0.00
55	M	2-Chloroethyl vinyl ether	100.000	79.467	20.5	67	0.00
56	M	Bromoform	20.000	19.518	2.4	87	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	91	0.00
58	M	4-Methyl-2-Pentanone	100.000	91.348	8.7	81	0.00
59	M	2-Hexanone	100.000	92.511	7.5	83	0.00
60	S	4-Bromofluorobenzene	30.000	31.002	-3.3	96	0.00
61	M	Tetrachloroethene	20.000	20.136	-0.7	87	0.00
62	M	Toluene	20.000	19.201	4.0	84	0.00
63	S	Toluene-d8	30.000	29.773	0.8	89	0.00
64	M	Chlorobenzene	20.000	19.325	3.4	85	0.00
65		1,1,1,2-Tetrachloroethane	20.000	20.231	-1.2	88	0.00
66	M	Ethyl Benzene	20.000	18.700	6.5	84	0.00
67	M	m/p-Xylenes	40.000	38.640	3.4	85	0.00
68	M	o-Xylene	20.000	18.569	7.2	81	0.00
69	M	Styrene	20.000	18.805	6.0	84	0.00
70		Isopropylbenzene	20.000	19.240	3.8	87	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	19.124	4.4	82	0.00
72		1,2,3-Trichloropropane	20.000	20.702	-3.5	82	0.00
73		Bromobenzene	20.000	19.816	0.9	87	0.00
74		n-propylbenzene	20.000	19.317	3.4	87	0.00
75		2-Chlorotoluene	20.000	19.597	2.0	87	0.00
76		1,3,5-Trimethylbenzene	20.000	19.552	2.2	87	0.00
77		t-1,4-Dichloro-2-butene	20.000	18.257	8.7	82	0.00
78		4-Chlorotoluene	20.000	18.777	6.1	84	0.00
79		tert-butylbenzene	20.000	19.414	2.9	90	0.00
80		1,2,4-Trimethylbenzene	20.000	19.866	0.7	89	0.00
81		sec-Butylbenzene	20.000	19.626	1.9	90	0.00
82		p-Isopropyltoluene	20.000	19.746	1.3	91	0.00
83	M	1,3-Dichlorobenzene	20.000	19.105	4.5	84	0.00
84	M	1,4-Dichlorobenzene	20.000	18.571	7.1	84	0.00
85		n-Butylbenzene	20.000	18.893	5.5	91	0.00
86	T	Hexachloroethane	20.000	19.707	1.5	87	0.00
87	M	1,2-Dichlorobenzene	20.000	18.950	5.3	82	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	18.790	6.1	82	0.00
89		1,2,4-Trichlorobenzene	20.000	17.910	10.4	81	0.00
90		Hexachlorobutadiene	20.000	22.206	-11.0	99	0.00
91	M	Naphthalene	20.000	16.046	19.8	78	0.00
92		1,2,3-Trichlorobenzene	20.000	17.910	10.4	81	0.00

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

QC SAMPLE DATA

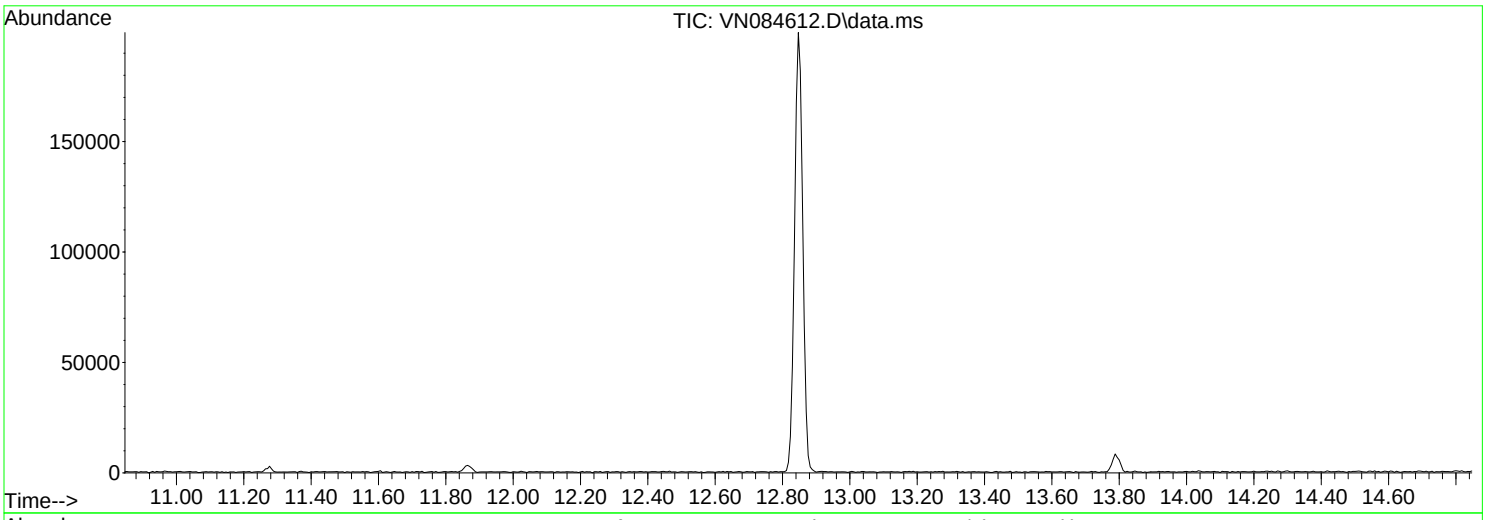
Sample Results: **VN084612.D**

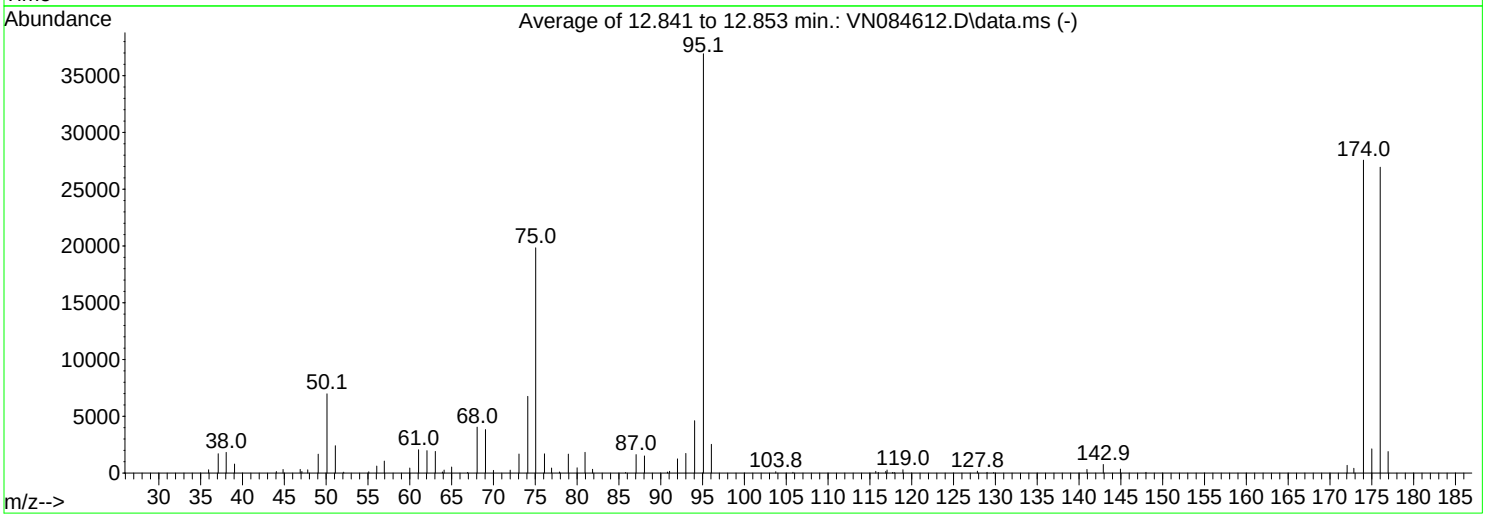
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
Data File : VN084612.D
Acq On : 31 Oct 2024 10:56
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Nov 01 02:38:04 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	6981	PASS
75	95	30	60	53.7	19840	PASS
95	95	100	100	100.0	36931	PASS
96	95	5	9	6.9	2535	PASS
173	174	0.00	2	1.5	422	PASS
174	95	50	100	74.6	27560	PASS
175	174	5	9	7.7	2131	PASS
176	174	95	101	97.7	26936	PASS
177	176	5	9	7.0	1894	PASS

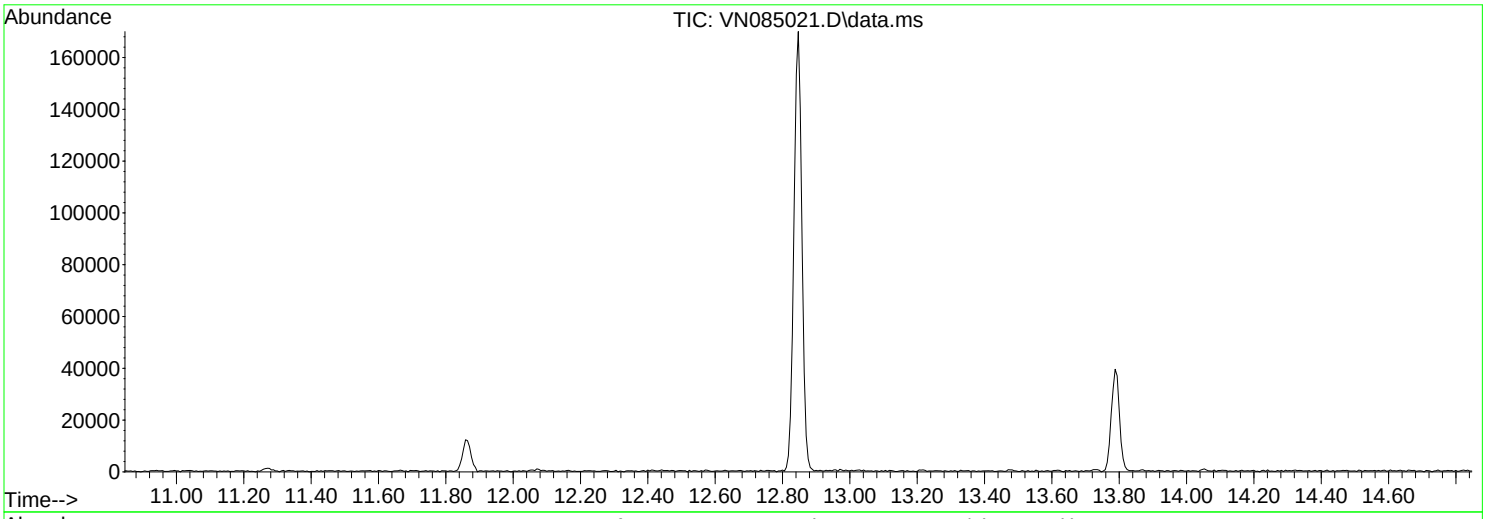
Sample Results: **VN085021.D**

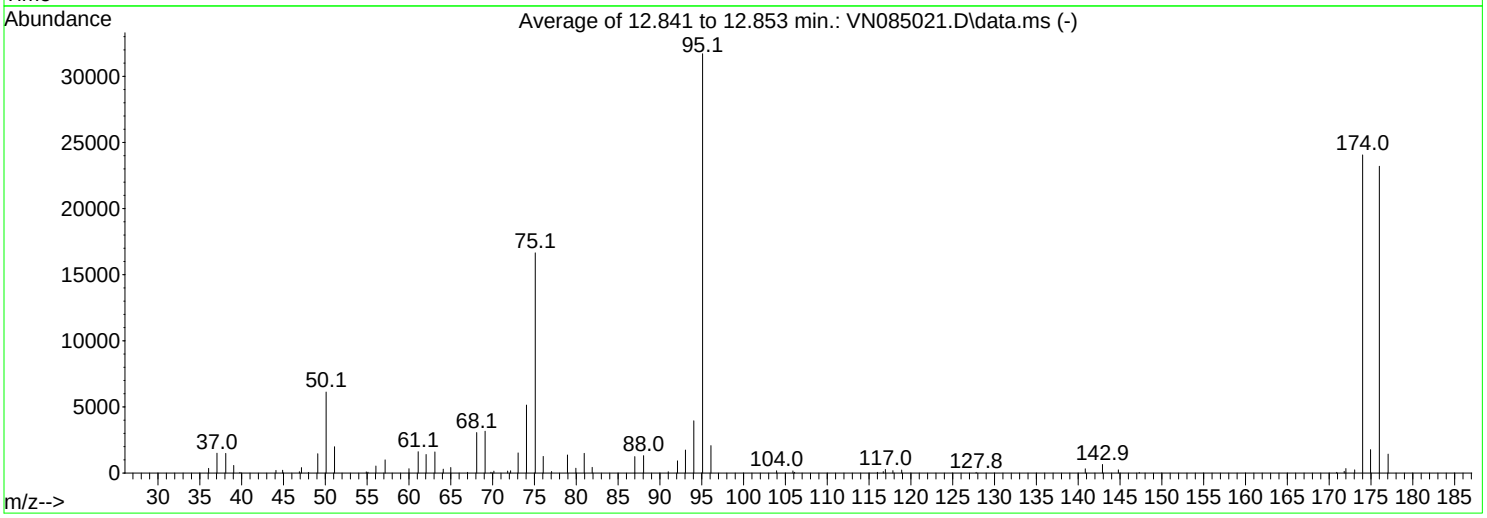
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085021.D
Acq On : 25 Nov 2024 10:26
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Nov 01 02:38:04 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	6128	PASS
75	95	30	60	52.5	16655	PASS
95	95	100	100	100.0	31709	PASS
96	95	5	9	6.5	2076	PASS
173	174	0.00	2	1.0	244	PASS
174	95	50	100	75.9	24056	PASS
175	174	5	9	7.4	1771	PASS
176	174	95	101	96.4	23200	PASS
177	176	5	9	6.2	1432	PASS

Raw Data: **VN085025.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:	VN1125WBL01	SDG No.:	P4967
Lab Sample ID:	VN1125WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085025.D	1		11/25/24 12:39	VN112524

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	30.7		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	28.6		91 - 112	95%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.2		63 - 112	84%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	24500	7.806			
540-36-3	1,4-Difluorobenzene	127000	9.094			
3114-55-4	Chlorobenzene-d5	112000	11.865			

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: **VN085025.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085025.D
Acq On : 25 Nov 2024 12:39
Operator : JC\MD
Sample : VN1125WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Quant Time: Nov 25 15:14:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

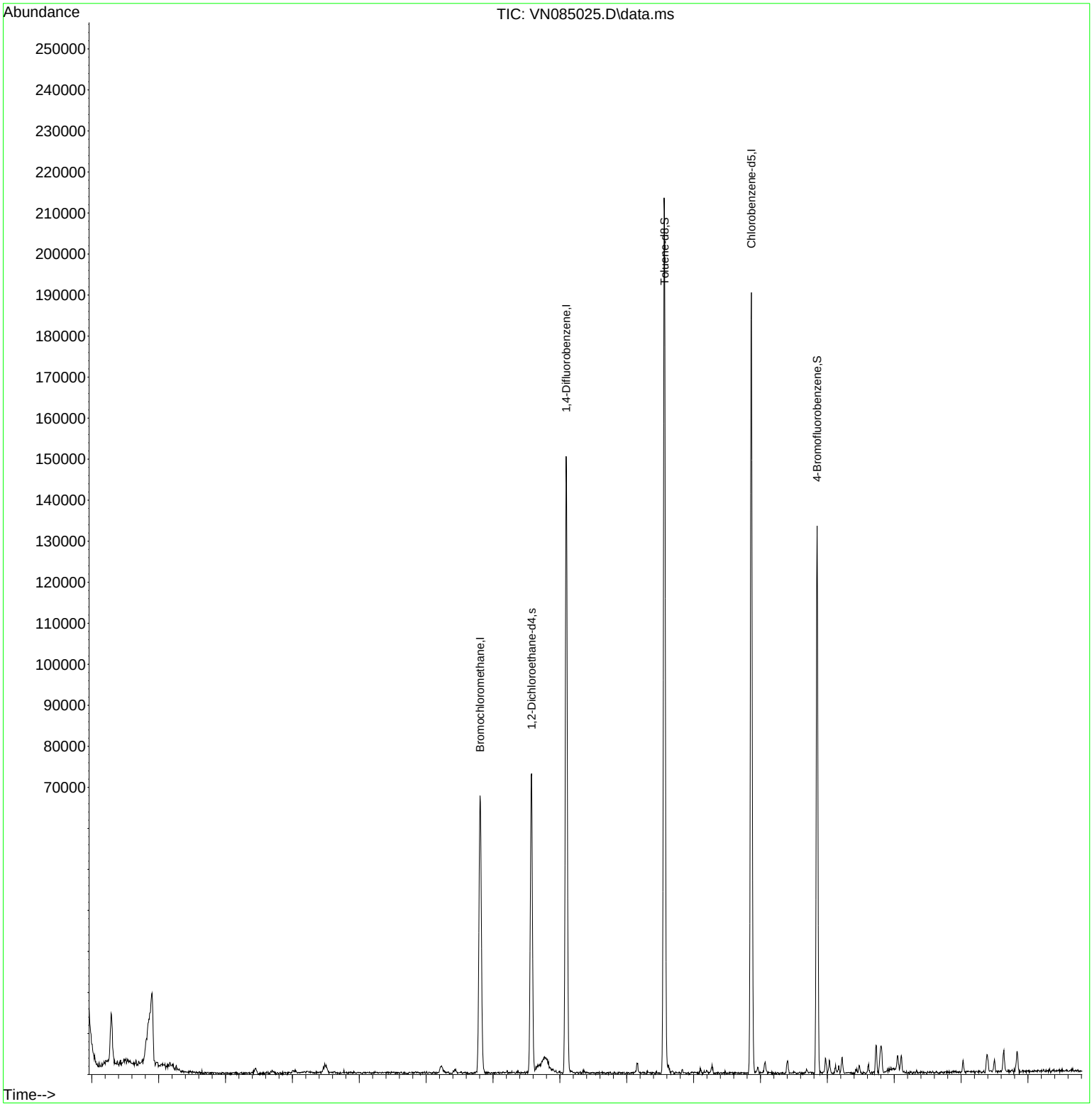
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	24457	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	127294	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	111508	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	60337	30.687	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.300%			
60) 4-Bromofluorobenzene	12.847	95	48297	25.155	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 83.833%			
63) Toluene-d8	10.565	98	151152	28.634	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.433%			
Target Compounds						Qvalue

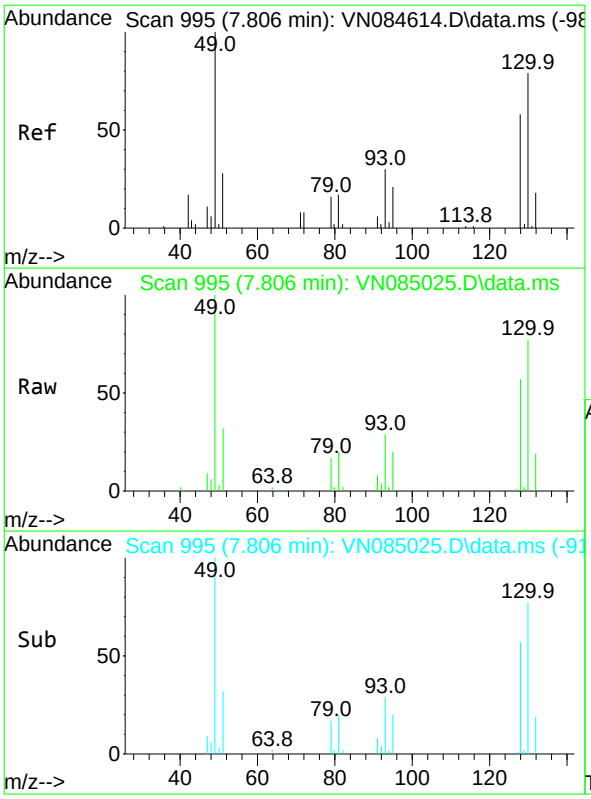
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085025.D
Acq On : 25 Nov 2024 12:39
Operator : JC\MD
Sample : VN1125WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Quant Time: Nov 25 15:14:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration



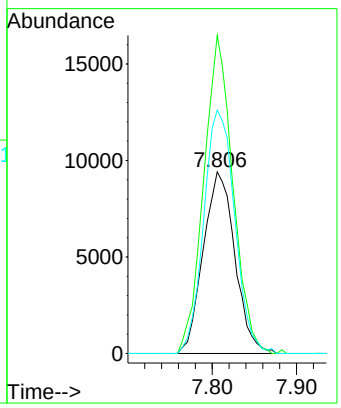


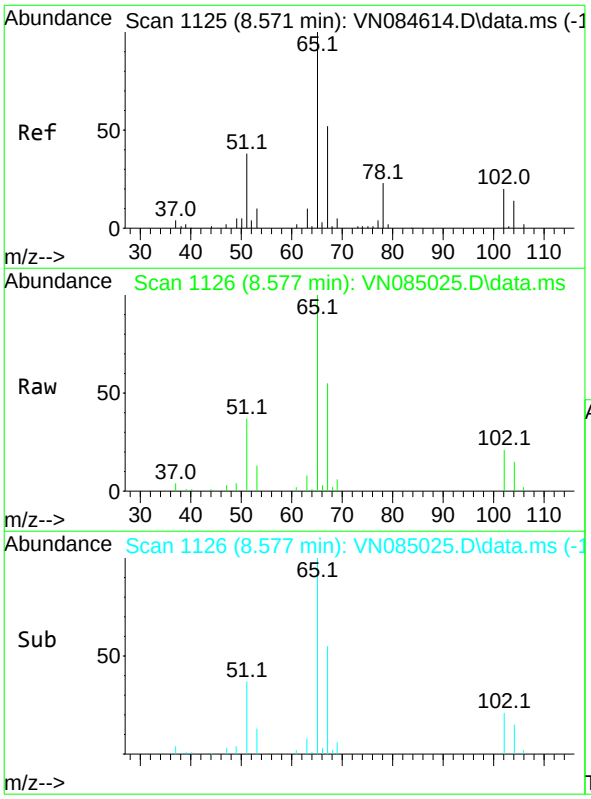
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085025.D
Acq: 25 Nov 2024 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Tgt Ion:128 Resp: 24457

Ion	Ratio	Lower	Upper
128	100		
49	161.3	0.0	427.0
130	131.6	0.0	322.2

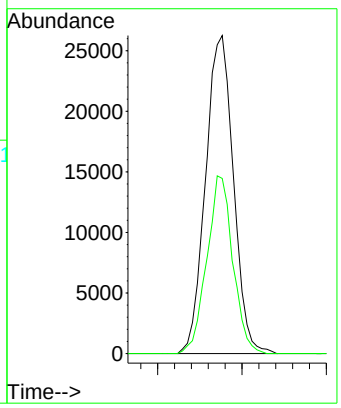


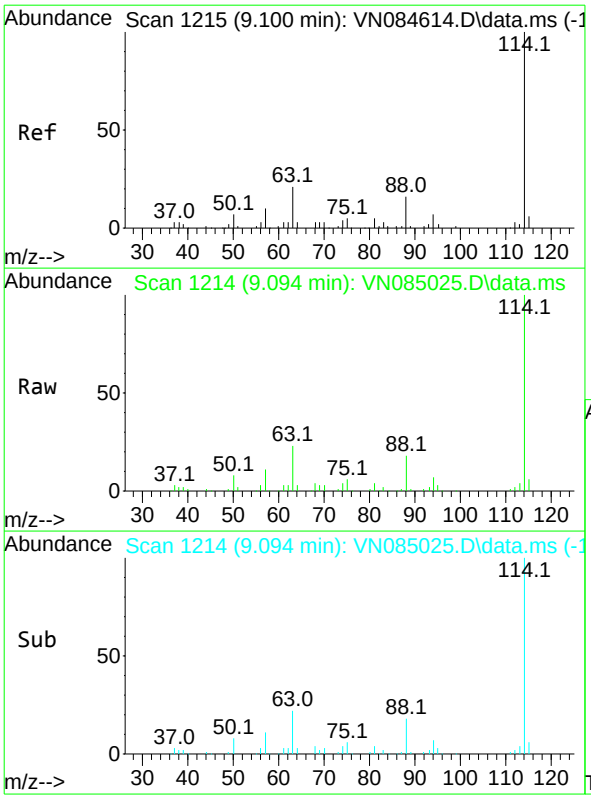


#27
1,2-Dichloroethane-d4
Concen: 30.687 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085025.D
Acq: 25 Nov 2024 12:39

Tgt Ion: 65 Resp: 60337

Ion	Ratio	Lower	Upper
65	100		
67	52.0	40.7	61.1



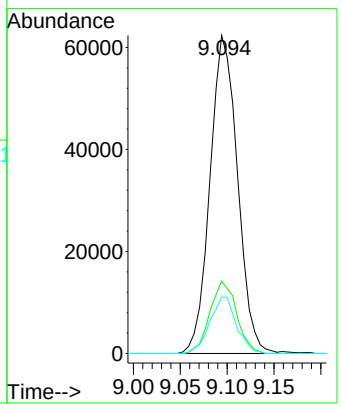


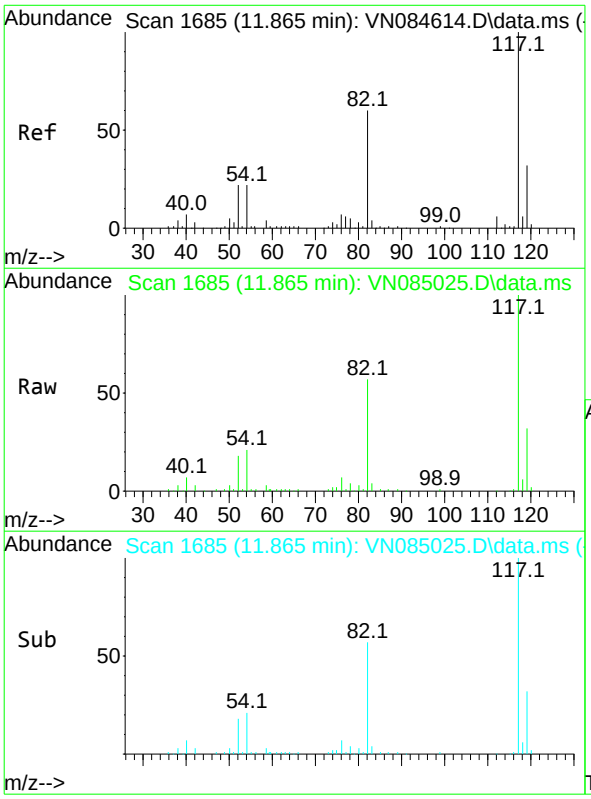
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085025.D
Acq: 25 Nov 2024 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Tgt Ion:114 Resp: 127294

Ion	Ratio	Lower	Upper
114	100		
63	22.0	16.8	25.2
88	17.1	12.9	19.3

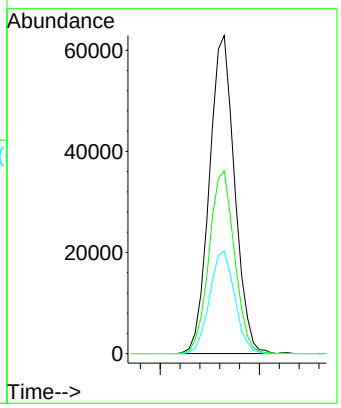


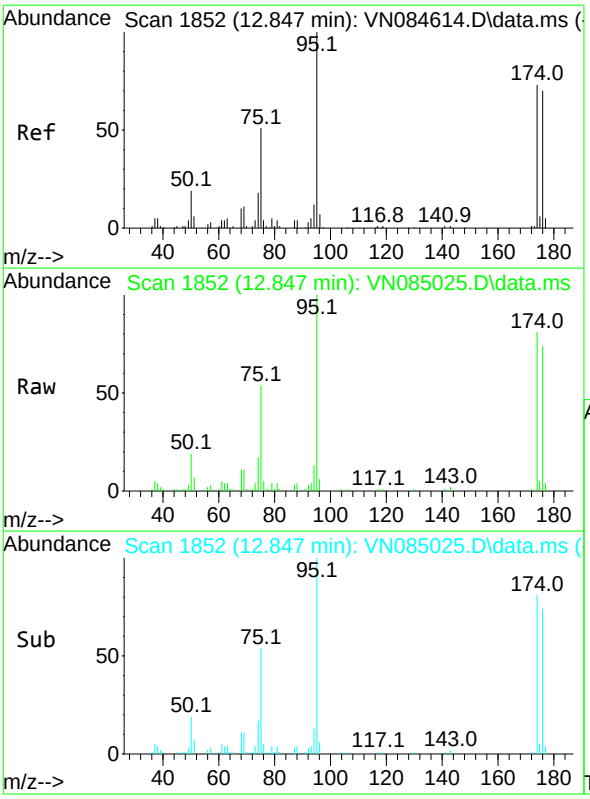


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085025.D
Acq: 25 Nov 2024 12:39

Tgt Ion:117 Resp: 111508

Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.5	68.3
119	32.1	25.3	37.9



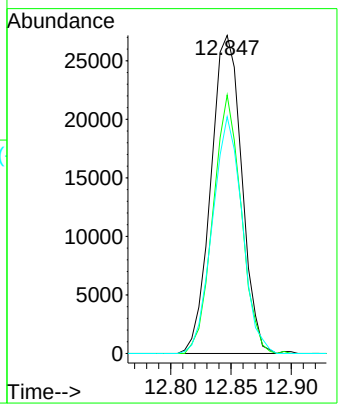


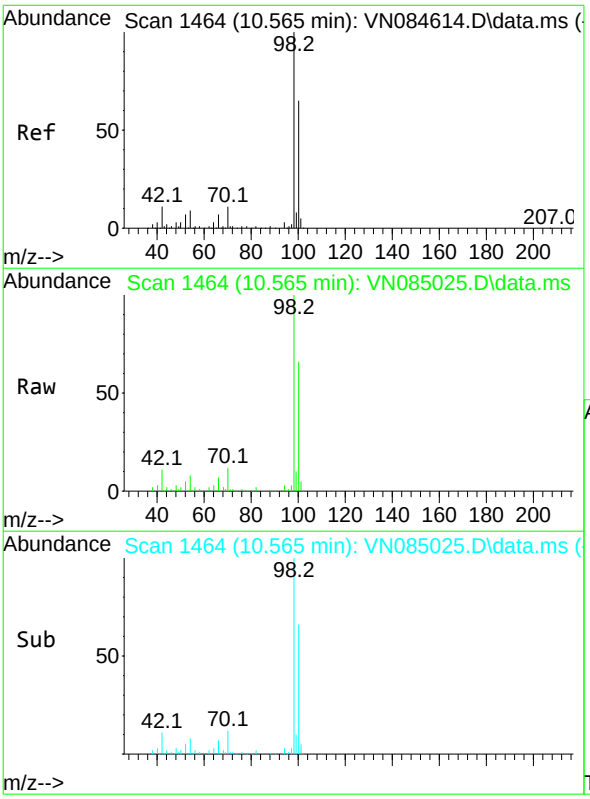
#60
4-Bromofluorobenzene
Concen: 25.155 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085025.D
Acq: 25 Nov 2024 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Tgt Ion: 95 Resp: 48297

Ion	Ratio	Lower	Upper
95	100		
174	74.2	59.6	89.4
176	71.7	58.6	88.0

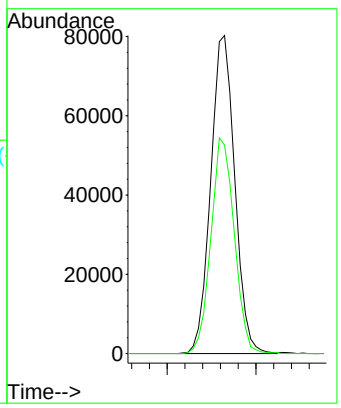




#63
Toluene-d8
Concen: 28.634 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085025.D
Acq: 25 Nov 2024 12:39

Tgt Ion: 98 Resp: 151152

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.2	78.2



Raw Data: **VN085023.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:	VN1125WBS01	SDG No.:	P4967
Lab Sample ID:	VN1125WBS01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085023.D	1		11/25/24 11:35	VN112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	18.4		0.69	5.00	ug/L
108-88-3	Toluene	18.2		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	17.9		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	36.4		1.70	10.0	ug/L
95-47-6	o-Xylene	17.8		0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.6		91 - 110	99%	SPK: 30
2037-26-5	Toluene-d8	29.5		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.6		63 - 112	99%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	30000	7.806			
540-36-3	1,4-Difluorobenzene	160000	9.094			
3114-55-4	Chlorobenzene-d5	147000	11.865			

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: **VN085023.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085023.D
Acq On : 25 Nov 2024 11:35
Operator : JC\MD
Sample : VN1125WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 15:13:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	29961	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	160469	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	146596	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71402	29.643	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.800%			
60) 4-Bromofluorobenzene	12.847	95	74681	29.587	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.633%			
63) Toluene-d8	10.565	98	205001	29.540	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.467%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	34082	19.558	ug/l	95
3) Chloromethane	2.359	50	35256	16.804	ug/l	95
4) Vinyl Chloride	2.512	62	35295	18.117	ug/l	98
5) Bromomethane	2.906	94	18639	18.849	ug/l	98
6) Chloroethane	3.089	64	24033	18.788	ug/l	91
7) Trichlorofluoromethane	3.483	101	61482	19.432	ug/l	94
8) Diethyl Ether	3.953	74	20462	18.131	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	34113	19.078	ug/l	95
10) 1,1-Dichloroethene	4.330	96	32368	18.538	ug/l	98
11) Methyl Iodide	4.583	142	45720	19.051	ug/l	89
12) Methyl Acetate	5.018	43	41714	15.327	ug/l	98
13) Acrolein	4.177	56	31350	93.406	ug/l	99
14) Acrylonitrile	5.712	53	77017	86.499	ug/l	97
15) Acetone	4.424	58	21379	93.449	ug/l	97
16) Carbon Disulfide	4.706	76	88793	17.283	ug/l #	92
17) Allyl chloride	5.012	41	50790	17.071	ug/l	93
18) Methylene Chloride	5.259	84	36094	17.640	ug/l	98
19) trans-1,2-Dichloroethene	5.777	96	32853	17.951	ug/l	91
20) Diisopropyl ether	6.659	45	105558	17.723	ug/l	97
21) 1,1-Dichloroethane	6.559	63	63877	17.833	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	39067	17.879	ug/l	97
23) tert-Butyl Alcohol	5.530	59	25750m	82.839	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	102293	18.116	ug/l	100
25) Chloroform	7.959	83	67648	18.434	ug/l	93
26) Cyclohexane	8.253	56	50507	18.460	ug/l #	99
29) 1,1-Dichloropropene	8.365	75	43997	18.203	ug/l	99
30) 2-Butanone	7.477	43	101555	91.087	ug/l	99
31) 2,2-Dichloropropane	7.488	77	60913	20.646	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	62400	19.003	ug/l	100
33) Carbon Tetrachloride	8.353	117	54308	19.382	ug/l	99
34) Benzene	8.600	78	146678	18.360	ug/l	95
35) Methacrylonitrile	7.771	41	23022	17.422	ug/l	92
36) 1,2-Dichloroethane	8.665	62	48933	18.418	ug/l	98
37) Trichloroethene	9.347	130	33960	18.843	ug/l	98
38) Methylcyclohexane	9.594	83	48217	18.531	ug/l	98
39) 1,2-Dichloropropane	9.618	63	35976	18.707	ug/l	95
40) Dibromomethane	9.700	93	25048	18.618	ug/l	97
41) Bromodichloromethane	9.882	83	52574	18.229	ug/l	97
42) Vinyl Acetate	6.600	43	372968	89.496	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085023.D
Acq On : 25 Nov 2024 11:35
Operator : JC\MD
Sample : VN1125WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 15:13:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	40174	17.148 ug/l	96
44) Isopropyl Acetate	8.682	43	66633	14.046 ug/l #	89
45) 1,4-Dioxane	9.700	88	10863	343.001 ug/l #	89
46) Methyl methacrylate	9.676	41	30794	16.153 ug/l	90
47) n-amyl Acetate	12.494	43	57997	16.370 ug/l	100
48) t-1,3-Dichloropropene	10.829	75	49833	17.498 ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	55413	18.155 ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	33677	18.662 ug/l	94
51) Ethyl methacrylate	10.871	69	46868	16.849 ug/l	94
52) 1,3-Dichloropropane	11.159	76	56750	18.117 ug/l	100
53) Dibromochloromethane	11.353	129	38484	18.223 ug/l	100
54) 1,2-Dibromoethane	11.465	107	32108	17.591 ug/l	93
55) 2-Chloroethyl vinyl ether	10.159	63	124090	90.990 ug/l	99
56) Bromoform	12.576	173	25179	17.787 ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	197975	85.603 ug/l	99
59) 2-Hexanone	11.194	43	149022	87.995 ug/l	99
61) Tetrachloroethene	11.100	164	29382	19.151 ug/l	95
62) Toluene	10.629	91	152334	18.245 ug/l	99
64) Chlorobenzene	11.888	112	92928	18.436 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	35009	18.899 ug/l	98
66) Ethyl Benzene	11.959	91	156771	17.866 ug/l	100
67) m/p-Xylenes	12.070	106	122175	36.367 ug/l	100
68) o-Xylene	12.394	106	57781	17.830 ug/l	95
69) Styrene	12.406	104	96179	17.701 ug/l	97
70) Isopropylbenzene	12.694	105	146732	18.227 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	48357	18.533 ug/l	94
72) 1,2,3-Trichloropropane	12.994	75	30666m	13.764 ug/l	
73) Bromobenzene	12.976	156	37591	18.105 ug/l	98
74) n-propylbenzene	13.035	91	174209	18.506 ug/l	98
75) 2-Chlorotoluene	13.123	91	111706	18.222 ug/l	96
76) 1,3,5-Trimethylbenzene	13.170	105	128466	18.677 ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	16073	17.589 ug/l	92
78) 4-Chlorotoluene	13.217	91	112704	18.196 ug/l	99
79) tert-butylbenzene	13.435	119	106667	18.753 ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	130700	18.835 ug/l	98
81) sec-Butylbenzene	13.612	105	148820	18.987 ug/l	100
82) p-Isopropyltoluene	13.729	119	123086	18.690 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	71925	18.731 ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	68294	17.999 ug/l	98
85) n-Butylbenzene	14.053	91	103219	18.661 ug/l	99
86) Hexachloroethane	14.329	117	25295	18.780 ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	68646	18.142 ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9178	18.230 ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	33344	18.098 ug/l	94
90) Hexachlorobutadiene	15.500	225	17640	21.919 ug/l	95
91) Naphthalene	15.635	128	94098	15.993 ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	33344	18.098 ug/l	94

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

Sample Results: **VN085023.D**

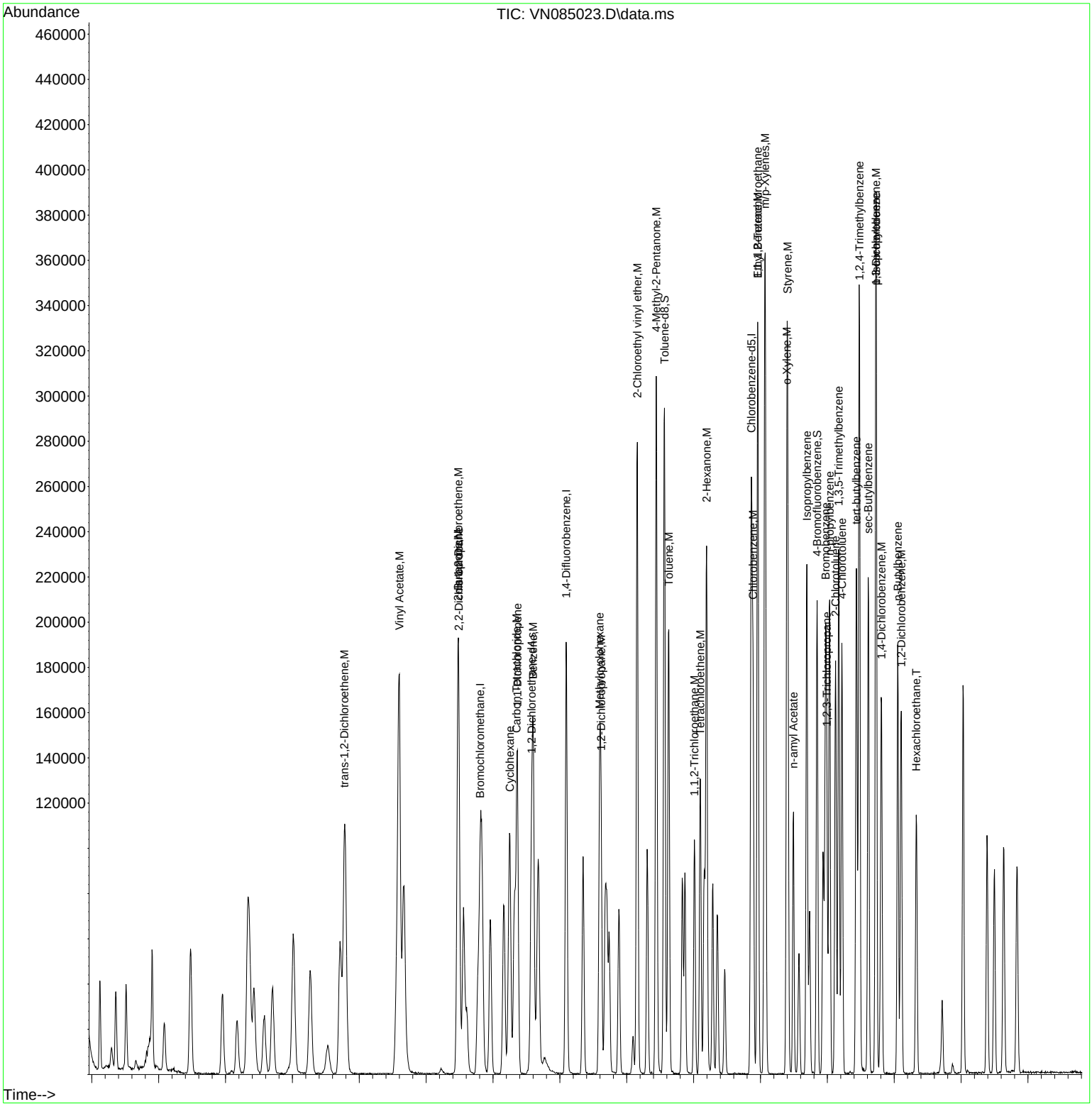
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085023.D
Acq On : 25 Nov 2024 11:35
Operator : JC\MD
Sample : VN1125WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 15:13:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024



Raw Data: **VN085024.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:	VN1125WBSD01	SDG No.:	P4967
Lab Sample ID:	VN1125WBSD01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085024.D	1		11/25/24 12:15	VN112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	19.9		0.69	5.00	ug/L
108-88-3	Toluene	19.6		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	39.5		1.70	10.0	ug/L
95-47-6	o-Xylene	20.3		0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.2		91 - 110	97%	SPK: 30
2037-26-5	Toluene-d8	29.4		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.5		63 - 112	102%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	28200	7.806			
540-36-3	1,4-Difluorobenzene	145000	9.1			
3114-55-4	Chlorobenzene-d5	134000	11.865			

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: **VN085024.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085024.D
Acq On : 25 Nov 2024 12:15
Operator : JC\MD
Sample : VN1125WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 15:13:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	28214	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	145410	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	133637	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	66221	29.195	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.300%			
60) 4-Bromofluorobenzene	12.847	95	70146	30.485	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.600%			
63) Toluene-d8	10.565	98	185845	29.376	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.933%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	32442	19.770	ug/l	91
3) Chloromethane	2.359	50	35860	18.151	ug/l	94
4) Vinyl Chloride	2.512	62	33433	18.223	ug/l	96
5) Bromomethane	2.901	94	19151	20.566	ug/l	100
6) Chloroethane	3.077	64	23825	19.779	ug/l	96
7) Trichlorofluoromethane	3.477	101	58003	19.468	ug/l	95
8) Diethyl Ether	3.953	74	21115	19.868	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	33880	20.121	ug/l	98
10) 1,1-Dichloroethene	4.330	96	30802	18.733	ug/l	93
11) Methyl Iodide	4.577	142	44916	19.875	ug/l	88
12) Methyl Acetate	5.012	43	44802	17.480	ug/l	92
13) Acrolein	4.171	56	27548	87.161	ug/l	99
14) Acrylonitrile	5.706	53	81575	97.291	ug/l	99
15) Acetone	4.424	58	24148	112.088	ug/l	96
16) Carbon Disulfide	4.700	76	85823	17.739	ug/l #	95
17) Allyl chloride	5.012	41	47911	17.100	ug/l	91
18) Methylene Chloride	5.271	84	36699	19.047	ug/l	95
19) trans-1,2-Dichloroethene	5.783	96	32412	18.806	ug/l	96
20) Diisopropyl ether	6.671	45	111406	19.863	ug/l	95
21) 1,1-Dichloroethane	6.559	63	64568	19.143	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	40759	19.809	ug/l	94
23) tert-Butyl Alcohol	5.530	59	29514	100.828	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	110317	20.747	ug/l	99
25) Chloroform	7.959	83	66883	19.354	ug/l	94
26) Cyclohexane	8.253	56	50459	19.584	ug/l #	98
29) 1,1-Dichloropropene	8.365	75	43912	20.049	ug/l	99
30) 2-Butanone	7.477	43	108582	107.476	ug/l	98
31) 2,2-Dichloropropane	7.483	77	57150	21.376	ug/l	98
32) 1,1,1-Trichloroethane	8.159	97	59560	20.017	ug/l	98
33) Carbon Tetrachloride	8.353	117	51477	20.274	ug/l	98
34) Benzene	8.600	78	143811	19.865	ug/l	98
35) Methacrylonitrile	7.777	41	24567	20.517	ug/l	94
36) 1,2-Dichloroethane	8.665	62	51035	21.199	ug/l	98
37) Trichloroethene	9.347	130	34131	20.899	ug/l	94
38) Methylcyclohexane	9.600	83	45364	19.240	ug/l	97
39) 1,2-Dichloropropane	9.618	63	35302	20.258	ug/l	100
40) Dibromomethane	9.700	93	25747	21.120	ug/l	98
41) Bromodichloromethane	9.882	83	53446	20.450	ug/l	96
42) Vinyl Acetate	6.600	43	395570	104.750	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085024.D
Acq On : 25 Nov 2024 12:15
Operator : JC\MD
Sample : VN1125WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 15:13:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	42978	20.245 ug/l	99
44) Isopropyl Acetate	8.688	43	77286	17.979 ug/l	95
45) 1,4-Dioxane	9.688	88	12016	418.700 ug/l #	86
46) Methyl methacrylate	9.677	41	33786	19.558 ug/l	96
47) n-amyl Acetate	12.494	43	63091	19.652 ug/l	100
48) t-1,3-Dichloropropene	10.835	75	54461	21.104 ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	58511	21.155 ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	35191	21.520 ug/l	95
51) Ethyl methacrylate	10.871	69	51876	20.580 ug/l	93
52) 1,3-Dichloropropane	11.159	76	59477	20.954 ug/l	99
53) Dibromochloromethane	11.353	129	41028	21.440 ug/l	96
54) 1,2-Dibromoethane	11.465	107	35294	21.340 ug/l	98
55) 2-Chloroethyl vinyl ether	10.153	63	104639	84.673 ug/l	99
56) Bromoform	12.576	173	27080	21.112 ug/l	94
58) 4-Methyl-2-Pentanone	10.441	43	220961	104.806 ug/l	99
59) 2-Hexanone	11.194	43	162425	105.210 ug/l	99
61) Tetrachloroethene	11.100	164	28330	20.256 ug/l	93
62) Toluene	10.624	91	149042	19.581 ug/l	99
64) Chlorobenzene	11.888	112	93374	20.321 ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	34035	20.154 ug/l	97
66) Ethyl Benzene	11.959	91	155574	19.449 ug/l	99
67) m/p-Xylenes	12.071	106	121114	39.547 ug/l	98
68) o-Xylene	12.394	106	59915	20.282 ug/l	97
69) Styrene	12.406	104	101294	20.450 ug/l	98
70) Isopropylbenzene	12.694	105	145559	19.834 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	49830	20.949 ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	39994m	19.691 ug/l	
73) Bromobenzene	12.976	156	38929	20.567 ug/l	96
74) n-propylbenzene	13.035	91	174009	20.277 ug/l	99
75) 2-Chlorotoluene	13.123	91	113471	20.305 ug/l	96
76) 1,3,5-Trimethylbenzene	13.171	105	134209	21.404 ug/l	96
77) t-1,4-Dichloro-2-butene	12.735	75	17999	21.607 ug/l	87
78) 4-Chlorotoluene	13.218	91	116153	20.572 ug/l	100
79) tert-butylbenzene	13.435	119	107715	20.773 ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	134374	21.243 ug/l	98
81) sec-Butylbenzene	13.612	105	147158	20.596 ug/l	99
82) p-Isopropyltoluene	13.729	119	124998	20.820 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	70477	20.133 ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	69705	20.152 ug/l	99
85) n-Butylbenzene	14.053	91	100967	20.024 ug/l	98
86) Hexachloroethane	14.329	117	24489	19.945 ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	69674	20.199 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9446	20.581 ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	35029	20.856 ug/l	94
90) Hexachlorobutadiene	15.500	225	16083	21.922 ug/l	97
91) Naphthalene	15.635	128	104060	19.401 ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	35029	20.856 ug/l	94

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

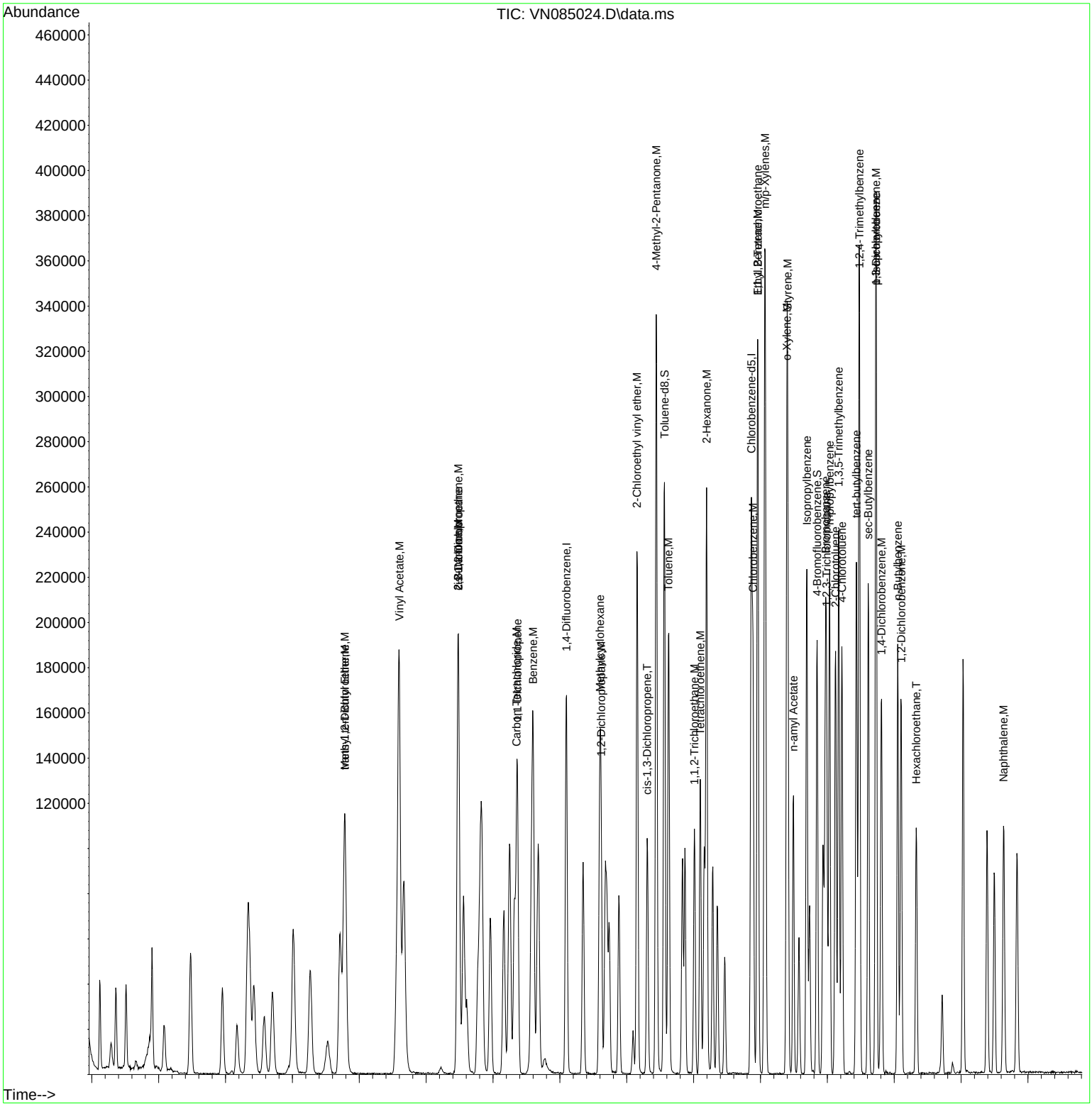
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085024.D
Acq On : 25 Nov 2024 12:15
Operator : JC\MD
Sample : VN1125WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 15:13:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/26/2024



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

Manual Integration Report

Sequence:	VN103124	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN084613.D	1,2,3-Trichloropropane	SAM	11/1/2024 11:36:59 AM	MMDadoda	11/4/2024 1:19:09 AM	Peak Integrated by Software
VSTDICC005	VN084613.D	Acetone	SAM	11/1/2024 11:36:59 AM	MMDadoda	11/4/2024 1:19:09 AM	Peak Integrated by Software
VSTDICC005	VN084613.D	Acrylonitrile	SAM	11/1/2024 11:36:59 AM	MMDadoda	11/4/2024 1:19:09 AM	Peak Integrated by Software
VSTDICC005	VN084613.D	Allyl chloride	SAM	11/1/2024 11:36:59 AM	MMDadoda	11/4/2024 1:19:09 AM	Peak Integrated by Software
VSTDICC005	VN084613.D	Chloroethane	SAM	11/1/2024 11:36:59 AM	MMDadoda	11/4/2024 1:19:09 AM	Peak Integrated by Software
VSTDICC005	VN084613.D	Methyl Acetate	SAM	11/1/2024 11:36:59 AM	MMDadoda	11/4/2024 1:19:09 AM	Peak Integrated by Software
VSTDICC005	VN084613.D	trans-1,2-Dichloroethene	SAM	11/1/2024 11:36:59 AM	MMDadoda	11/4/2024 1:19:09 AM	Peak Integrated by Software
VSTDICC005	VN084613.D	Trichloroethene	SAM	11/1/2024 11:36:59 AM	MMDadoda	11/4/2024 1:19:09 AM	Peak Integrated by Software
VSTDICCC020	VN084614.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:13:50 AM	MMDadoda	11/4/2024 1:19:11 AM	Peak Integrated by Software
VSTDICCC020	VN084614.D	tert-Butyl Alcohol	SAM	11/4/2024 1:13:50 AM	MMDadoda	11/4/2024 1:19:11 AM	Peak Integrated by Software
VSTDICC050	VN084615.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:13:52 AM	MMDadoda	11/4/2024 1:19:12 AM	Peak Integrated by Software
VSTDICC050	VN084615.D	Chloroethane	SAM	11/4/2024 1:13:52 AM	MMDadoda	11/4/2024 1:19:12 AM	Peak Integrated by Software
VSTDICC100	VN084616.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:13:53 AM	MMDadoda	11/4/2024 1:19:13 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN103124	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VN084617.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:13:54 AM	MMDadoda	11/4/2024 1:19:15 AM	Peak Integrated by Software
VSTDICV020	VN084619.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:13:55 AM	MMDadoda	11/4/2024 1:19:16 AM	Peak Integrated by Software
VSTDCCC020	VN084626.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:14:00 AM	MMDadoda	11/4/2024 1:19:23 AM	Peak Integrated by Software
VSTDCCC020	VN084626.D	Allyl chloride	SAM	11/4/2024 1:14:00 AM	MMDadoda	11/4/2024 1:19:23 AM	Peak Integrated by Software
VSTDCCC020	VN084626.D	Diethyl Ether	SAM	11/4/2024 1:14:00 AM	MMDadoda	11/4/2024 1:19:23 AM	Peak Integrated by Software
VSTDCCC020	VN084626.D	tert-Butyl Alcohol	SAM	11/4/2024 1:14:00 AM	MMDadoda	11/4/2024 1:19:23 AM	Peak Integrated by Software
VSTDCCC020	VN084626.D	trans-1,2-Dichloroethene	SAM	11/4/2024 1:14:00 AM	MMDadoda	11/4/2024 1:19:23 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN112524	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN085022.D	1,2,3-Trichloropropane	JOHN	11/25/2024 3:35:54 PM	MMDadoda	11/26/2024 9:43:47 AM	Peak Integrated by Software
VN1125WBS01	VN085023.D	1,2,3-Trichloropropane	JOHN	11/25/2024 3:36:03 PM	MMDadoda	11/26/2024 9:43:49 AM	Peak Integrated by Software
VN1125WBS01	VN085023.D	tert-Butyl Alcohol	JOHN	11/25/2024 3:36:03 PM	MMDadoda	11/26/2024 9:43:49 AM	Peak Integrated by Software
VN1125WBSD01	VN085024.D	1,2,3-Trichloropropane	JOHN	11/25/2024 3:36:08 PM	MMDadoda	11/26/2024 9:43:50 AM	Peak Integrated by Software
P4967-01	VN085026.D	Acetone	JOHN	11/25/2024 3:36:12 PM	MMDadoda	11/26/2024 9:43:52 AM	Peak Integrated by Software
P4967-02	VN085027.D	Acetone	JOHN	11/25/2024 3:36:18 PM	MMDadoda	11/26/2024 9:43:54 AM	Peak Integrated by Software
VSTDCCC020	VN085033.D	1,1,2-Trichlorotrifluoroethane	MMDadoda	11/26/2024 9:43:55 AM	SAM	11/26/2024 9:46:07 AM	Peak Integrated by Software
VSTDCCC020	VN085033.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:43:55 AM	SAM	11/26/2024 9:46:07 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103124

Review By	Semsettin Yesilyurt	Review On	11/1/2024 11:37:52 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:19:34 AM				
SubDirectory	VN103124	HP Acquire Method	MSVOA_N		HP Processing Method	624n103124w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131208
Initial Calibration Stds	VP131209,VP131210,VP131211,VP131212,VP131213
CCC	VP131215,VP131216
Internal Standard/PEM	VP130994
ICV/I.BLK	VP131214
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084612.D	31 Oct 2024 10:56	JC\MD	Ok
2	VSTDICC005	VN084613.D	31 Oct 2024 12:08	JC\MD	Ok,M
3	VSTDICCC020	VN084614.D	31 Oct 2024 12:32	JC\MD	Ok,M
4	VSTDICC050	VN084615.D	31 Oct 2024 12:56	JC\MD	Ok,M
5	VSTDICC100	VN084616.D	31 Oct 2024 13:20	JC\MD	Ok,M
6	VSTDICC150	VN084617.D	31 Oct 2024 13:44	JC\MD	Ok,M
7	VIBLK	VN084618.D	31 Oct 2024 14:08	JC\MD	Ok
8	VSTDICV020	VN084619.D	31 Oct 2024 14:42	JC\MD	Ok,M
9	VN1031WBS01	VN084620.D	31 Oct 2024 15:25	JC\MD	Ok,M
10	VN1031WBSD01	VN084621.D	31 Oct 2024 15:49	JC\MD	Ok,M
11	VN1031WBL01	VN084622.D	31 Oct 2024 16:37	JC\MD	Ok
12	P4646-02	VN084623.D	31 Oct 2024 17:01	JC\MD	Ok
13	P4646-01	VN084624.D	31 Oct 2024 17:25	JC\MD	Ok,M
14	VIBLK	VN084625.D	31 Oct 2024 17:49	JC\MD	Ok
15	VSTDCCC020	VN084626.D	31 Oct 2024 18:13	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:00 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:46:13 AM		
SubDirectory	VN112524	HP Acquire Method		HP Processing Method	624N103124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131780
Initial Calibration Stds	
CCC	VP131781,VP131782
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085021.D	25 Nov 2024 10:26	JC\MD	Ok
2	VSTDCCC020	VN085022.D	25 Nov 2024 10:59	JC\MD	Ok,M
3	VN1125WBS01	VN085023.D	25 Nov 2024 11:35	JC\MD	Ok,M
4	VN1125WBSD01	VN085024.D	25 Nov 2024 12:15	JC\MD	Ok,M
5	VN1125WBL01	VN085025.D	25 Nov 2024 12:39	JC\MD	Ok
6	P4967-01	VN085026.D	25 Nov 2024 13:14	JC\MD	Ok,M
7	P4967-02	VN085027.D	25 Nov 2024 13:38	JC\MD	Ok,M
8	IBLK	VN085028.D	25 Nov 2024 14:02	JC\MD	Ok
9	P4997-01	VN085029.D	25 Nov 2024 15:42	JC\MD	Ok
10	P4997-02	VN085030.D	25 Nov 2024 16:06	JC\MD	Ok
11	P4997-03	VN085031.D	25 Nov 2024 16:30	JC\MD	Ok
12	P4997-04	VN085032.D	25 Nov 2024 16:54	JC\MD	Ok
13	VSTDCCC020	VN085033.D	25 Nov 2024 17:27	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103124

Review By	Semsettin Yesilyurt	Review On	11/1/2024 11:37:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:19:34 AM		
SubDirectory	VN103124	HP Acquire Method	MSVOA_N	HP Processing Method	624n103124w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131208
Initial Calibration Stds	VP131209,VP131210,VP131211,VP131212,VP131213
CCC	VP131215,VP131216
Internal Standard/PEM	VP130994
ICV/I.BLK	VP131214
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084612.D	31 Oct 2024 10:56		JC\MD	Ok
2	VSTDICC005	VSTDICC005	VN084613.D	31 Oct 2024 12:08		JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN084614.D	31 Oct 2024 12:32		JC\MD	Ok,M
4	VSTDICC050	VSTDICC050	VN084615.D	31 Oct 2024 12:56		JC\MD	Ok,M
5	VSTDICC100	VSTDICC100	VN084616.D	31 Oct 2024 13:20		JC\MD	Ok,M
6	VSTDICC150	VSTDICC150	VN084617.D	31 Oct 2024 13:44		JC\MD	Ok,M
7	VIBLK	VIBLK	VN084618.D	31 Oct 2024 14:08		JC\MD	Ok
8	VSTDICV020	ICVVN103124	VN084619.D	31 Oct 2024 14:42		JC\MD	Ok,M
9	VN1031WBS01	VN1031WBS01	VN084620.D	31 Oct 2024 15:25		JC\MD	Ok,M
10	VN1031WBSD01	VN1031WBSD01	VN084621.D	31 Oct 2024 15:49		JC\MD	Ok,M
11	VN1031WBL01	VN1031WBL01	VN084622.D	31 Oct 2024 16:37		JC\MD	Ok
12	P4646-02	241030043-05-TRIP-BL	VN084623.D	31 Oct 2024 17:01	TB,pH#6.0 B	JC\MD	Ok
13	P4646-01	241030069-01-VOA	VN084624.D	31 Oct 2024 17:25	pH#9.0 B	JC\MD	Ok,M
14	VIBLK	VIBLK	VN084625.D	31 Oct 2024 17:49		JC\MD	Ok
15	VSTDCCC020	VSTDCCC020EC	VN084626.D	31 Oct 2024 18:13		JC\MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:00 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:46:13 AM		
SubDirectory	VN112524	HP Acquire Method		HP Processing Method	624N103124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131780
Initial Calibration Stds	
CCC	VP131781,VP131782
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	VN085021.D	25 Nov 2024 10:26		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN085022.D	25 Nov 2024 10:59	V13516	JC\MD	Ok,M
3	VN1125WBS01	VN1125WBS01	VN085023.D	25 Nov 2024 11:35		JC\MD	Ok,M
4	VN1125WBSD01	VN1125WBSD01	VN085024.D	25 Nov 2024 12:15		JC\MD	Ok,M
5	VN1125WBL01	VN1125WBL01	VN085025.D	25 Nov 2024 12:39		JC\MD	Ok
6	P4967-01	001-WILLETS-PT-BLVD	VN085026.D	25 Nov 2024 13:14	vial A pH<2	JC\MD	Ok,M
7	P4967-02	002-35TH-AVE	VN085027.D	25 Nov 2024 13:38	vial A pH<2	JC\MD	Ok,M
8	IBLK	IBLK	VN085028.D	25 Nov 2024 14:02		JC\MD	Ok
9	P4997-01	14B-1	VN085029.D	25 Nov 2024 15:42	vial A pH#6.0	JC\MD	Ok
10	P4997-02	14B-2	VN085030.D	25 Nov 2024 16:06	vial A pH#6.0	JC\MD	Ok
11	P4997-03	14B-3	VN085031.D	25 Nov 2024 16:30	vial A pH#6.0	JC\MD	Ok
12	P4997-04	14B-4	VN085032.D	25 Nov 2024 16:54	vial A pH#6.0	JC\MD	Ok
13	VSTDCCC020	VSTDCCC020EC	VN085033.D	25 Nov 2024 17:27		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO.
QUOTE NO. P4967/68
COC Number 2041752

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Tully Environmental Inc
ADDRESS: 57 Seaview Blvd
CITY Port Washington STATE: NY ZIP: 11050
ATTENTION: DiDevoc
PHONE: 7184467000 FAX: 7184585499

CLIENT PROJECT INFORMATION

PROJECT NAME: Transfer Station SPDES
PROJECT NO.: 242113 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) ASAP DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1	2	3	4	5	6	7	8	9
TSS	Cu Fe Pb	LL Hg 1631						

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	001 Willets Pt Blvd	W		X	11/21	1300		X	X	X							
2.	002 35th Ave	W		X	11/21	1300		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. DiDevoc	11/21/24	1.
2. Fed Ex	11/22/24 1105	2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 4.6/4.5 °C
Comments:

Page ____ of ____

CLIENT: ❑ Hand Delivered ❑ Other
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

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

From: Dean Devoe <DDevoe@tullyconstruction.com>
Sent: Friday, November 22, 2024 11:53 AM
To: yazmeen@chemtech.net
Subject: RE: SPDES November
Attachments: 20241122115135706.pdf

Hi Yazmeen – I'd like to change the Hg to BTEX as indicated. Also, please send 2 jars for O&G. Thanks Dean

---

From: Dean Devoe
Sent: Thursday, November 21, 2024 3:51 PM
To: yazmeen@chemtech.net
Subject: RE: SPDES November

Hi Yazmeen – On the way. I may make changes depending on results due today. Please forward when available. Thanks Dean

---

From: Dean Devoe
Sent: Monday, November 18, 2024 10:36 AM
To: yazmeen@chemtech.net
Subject: RE: SPDES November

Good morning Yazmeen – Please send glassware for 2 additional samples for metals, mercury and for BTEX. Thank you Dean

---

From: Yazmeen Gomez <yazmeen@chemtech.net>
Sent: Thursday, November 7, 2024 12:09 PM
To: Dean Devoe <DDevoe@tullyconstruction.com>
Subject: RE: SPDES November

Dean,

All confirmed.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Dean Devoe <DDevoe@tullyconstruction.com>
Sent: Thursday, November 7, 2024 12:07 PM
To: Yazmeen Gomez <Yazmeen@chemtech.net>
Subject: FW: SPDES November

Good afternoon Yazmeen – Please confirm the samples arrived and that you can expedite including the mercury analysis. Thank you Dean

---

From: Dean Devoe
Sent: Wednesday, November 6, 2024 4:46 PM
To: Yazmeen Gomez <Yazmeen@chemtech.net>
Cc: Matthew Ackerly <MAckerly@tullyenvironmental.com>
Subject: SPDES November

Hi Yazmeen - Samples are on the way – I did not receive glassware for the mercury analysis so please extract the sample from the TSS container. Please send monthly glassware for November – if that can be at the transfer station before noon tomorrow, that would be appreciated. Thanks Dean

Dean Devoe, PE
Tully Environmental Inc.
57 Seaview Blvd
Port Washington NY 11050
(718) 446 7000 x 298
Cell 917 417 1524

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4967 TULL01
Client Name : Tully Environmental, Inc
Client Contact : Dean Devoe
Invoice Name : Tully Environmental, Inc
Invoice Contact : Dean Devoe

Order Date : 11/22/2024 11:12:00 AM
Project Name : Transfer Station-SPDES
Receive DateTime : 11/22/2024 11:05:00 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
P4967-01	001-WILLETS-PT-BLVD	Water	11/21/2024	13:30						
					VOC-BTEX		624.1	~~5~~ Bus. Days	1 Day	
P4967-02	002-35TH-AVE	Water	11/21/2024	13:30						
					VOC-BTEX		624.1	~~5~~ Bus. Days		

Relinguished By : [signature]
Date / Time : 11/22/24 1210

Received By : [signature]
Date / Time : 11/22/24 1210 Q84 5

Storage Area : VOA Refridgerator Room