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

Cover Page

Order ID : Q2732

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number	Client Sample Number
Q2732-01	WC-A7-01-G
Q2732-02	WC-A7-01-C
Q2732-03	WC-A7-01-C
Q2732-04	WC-A7-01-C

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: 8/20/2025

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 #: **Q2732**

	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:** **08/20/2025**

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LAB CHRONICLE

OrderID:	Q2732	**OrderDate:**	7/30/2025 1:11:00 PM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Austin Farmerie	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2732-01	**WC-A7-01-G**	**TCLP**			**08/12/25**			**08/12/25**
			TCLP VOA	8260D			08/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2732

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WC-A7-01-G**							
Q2732-01	WC-A7-01-G	TCLP	2-Butanone	0.012	J	0.00098	0.025	mg/L
			Total Voc :	0.012				
			Total Concentration:	0.012				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2732

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2732-01	WC-A7-01-G	1,2-Dichloroethane-d4	50	58.9	118		70 (74)	130 (125)
		Dibromofluoromethane	50	43.8	88		70 (75)	130 (124)
		Toluene-d8	50	47.6	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.1	94		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q2732

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VN0813WBL01	VN0813WBL01	1,2-Dichloroethane-d4	50	59.6	119		70 (74)	130 (125)
		Dibromofluoromethane	50	49.7	99		70 (75)	130 (124)
		Toluene-d8	50	52.0	104		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.2	100		70 (77)	130 (121)
VN0813WBS01	VN0813WBS01	1,2-Dichloroethane-d4	50	58.5	117		70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100		70 (75)	130 (124)
		Toluene-d8	50	51.1	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.4	105		70 (77)	130 (121)
VN0813WBSD0	VN0813WBSD01	1,2-Dichloroethane-d4	50	55.9	112		70 (74)	130 (125)
		Dibromofluoromethane	50	48.9	98		70 (75)	130 (124)
		Toluene-d8	50	48.7	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.7	103		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2732 **Analytical Method:** SW8260-Low

Client: ENTACT **Datafile :** VN087528.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0813WBS01	Vinyl chloride	20	20.8	ug/L	104			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.2	ug/L	96			70 (74)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.5	ug/L	93			70 (77)	130 (113)	
	Chloroform	20	21.8	ug/L	109			70 (79)	130 (113)	
	Benzene	20	19.2	ug/L	96			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.8	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	17.5	ug/L	88			70 (77)	130 (113)	
	Tetrachloroethene	20	17.0	ug/L	85			70 (67)	130 (123)	
	Chlorobenzene	20	18.8	ug/L	94			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2732 **Analytical Method:** SW8260-Low

Client: ENTACT **Datafile :** VN087530.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0813WBSD01	Vinyl chloride	20	19.5	ug/L	98	6		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	18.9	ug/L	95	1		70 (74)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	18.2	ug/L	91	2		70 (77)	130 (113)	20 (15)
	Chloroform	20	20.9	ug/L	104	5		70 (79)	130 (113)	20 (20)
	Benzene	20	18.9	ug/L	95	1		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.6	ug/L	103	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.3	ug/L	86	2		70 (77)	130 (113)	20 (15)
	Tetrachloroethene	20	16.6	ug/L	83	2		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	17.8	ug/L	89	5		70 (82)	130 (109)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0813WBL01

Lab Name: Alliance | Contract: ENTA05

Lab Code: ACE | SDG NO.: Q2732

Lab File ID: VN087527.D | Lab Sample ID: VN0813WBL01

Date Analyzed: 08/13/2025 | Time Analyzed: 11:41

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
VN0813WBS01	VN0813WBS01	VN087528.D	08/13/2025
VN0813WBSD01	VN0813WBSD01	VN087530.D	08/13/2025
WC-A7-01-G	Q2732-01	VN087538.D	08/13/2025

COMMENTS:

Raw Data: **VN087327.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ENTA05
Lab Code: ACE
SDG NO.: Q2732
Lab File ID: VN087327.D
BFB Injection Date: 07/16/2025
Instrument ID: MSVOA_N
BFB Injection Time: 16:10
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	19.8
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	3.6 (5.1) 1
176	95.0 - 101.0% of mass 174	68.7 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087328.D	07/16/2025	17:05
VSTDICC005	VSTDICC005	VN087329.D	07/16/2025	17:27
VSTDICC020	VSTDICC020	VN087330.D	07/16/2025	17:49
VSTDICCC050	VSTDICCC050	VN087331.D	07/16/2025	18:11
VSTDICC100	VSTDICC100	VN087332.D	07/16/2025	18:32
VSTDICC150	VSTDICC150	VN087333.D	07/16/2025	18:54

Raw Data: **VN087524.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ENTA05

Lab Code: ACE | SDG NO.: Q2732

Lab File ID: VN087524.D | BFB Injection Date: 08/13/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:04

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	23.3
75	30.0 - 60.0% of mass 95	57
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	66
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	63.9 (96.8) 1
177	5.0 - 9.0% of mass 176	3.8 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087525.D	08/13/2025	10:57
VN0813WBL01	VN0813WBL01	VN087527.D	08/13/2025	11:41
VN0813WBS01	VN0813WBS01	VN087528.D	08/13/2025	12:39
VN0813WBSD01	VN0813WBSD01	VN087530.D	08/13/2025	13:23
WC-A7-01-G	Q2732-01	VN087538.D	08/13/2025	16:21

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG NO.: Q2732

Lab File ID: VN087525.D Date Analyzed: 08/13/2025

Instrument ID: MSVOA_N Time Analyzed: 10:57

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	297883	8.21	560249	9.09	506486	11.85
UPPER LIMIT	595766	8.706	1120500	9.588	1012970	12.347
LOWER LIMIT	148942	7.706	280125	8.588	253243	11.347
EPA SAMPLE NO.						
WC-A7-01-G	239708	8.21	533270	9.09	494800	11.85
VN0813WBL01	240605	8.21	517097	9.09	472576	11.85
VN0813WBS01	271136	8.21	532074	9.09	483502	11.85
VN0813WBSD01	266779	8.21	512412	9.08	464252	11.85

IS1 = Pentafluorobenzene
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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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG NO.: Q2732

Lab File ID: VN087525.D Date Analyzed: 08/13/2025

Instrument ID: MSVOA_N Time Analyzed: 10:57

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

	IS4 AREA #	RT #				
12 HOUR STD	261423	13.77				
UPPER LIMIT	522846	14.27				
LOWER LIMIT	130712	13.27				
EPA SAMPLE NO.						
WC-A7-01-G	227638	13.77				
VN0813WBL01	217582	13.77				
VN0813WBS01	246357	13.77				
VN0813WBSD01	233575	13.77				

IS4 = 1,4-Dichlorobenzene-d4

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: **VN087538.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	08/12/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	08/12/25
Client Sample ID:	WC-A7-01-G	SDG No.:	Q2732
Lab Sample ID:	Q2732-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087538.D	1	08/13/25 16:21	VN081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.012	J	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.9		70 (74) - 130 (125)	118%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		70 (75) - 130 (124)	88%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	240000	8.206			
540-36-3	1,4-Difluorobenzene	533000	9.088			
3114-55-4	Chlorobenzene-d5	495000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	228000	13.77			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087538.D
Acq On : 13 Aug 2025 16:21
Operator : JC\MD
Sample : Q2732-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A7-01-G

Quant Time: Aug 14 04:03:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	239708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	533270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	494800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	227638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	239523	58.889	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.780%			
35) Dibromofluoromethane	8.153	113	161141	43.806	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.620%			
50) Toluene-d8	10.547	98	624414	47.587	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.180%			
62) 4-Bromofluorobenzene	12.829	95	228200	47.073	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.140%			
Target Compounds						Qvalue
16) Acetone	4.424	43	292723	153.495	ug/l	97
20) Methylene Chloride	5.271	84	14756	3.988	ug/l #	83
25) 2-Butanone	7.477	43	36044	12.232	ug/l	97
52) Toluene	10.618	92	12182	1.276	ug/l	86
95) Naphthalene	15.617	128	42077	2.927	ug/l	97

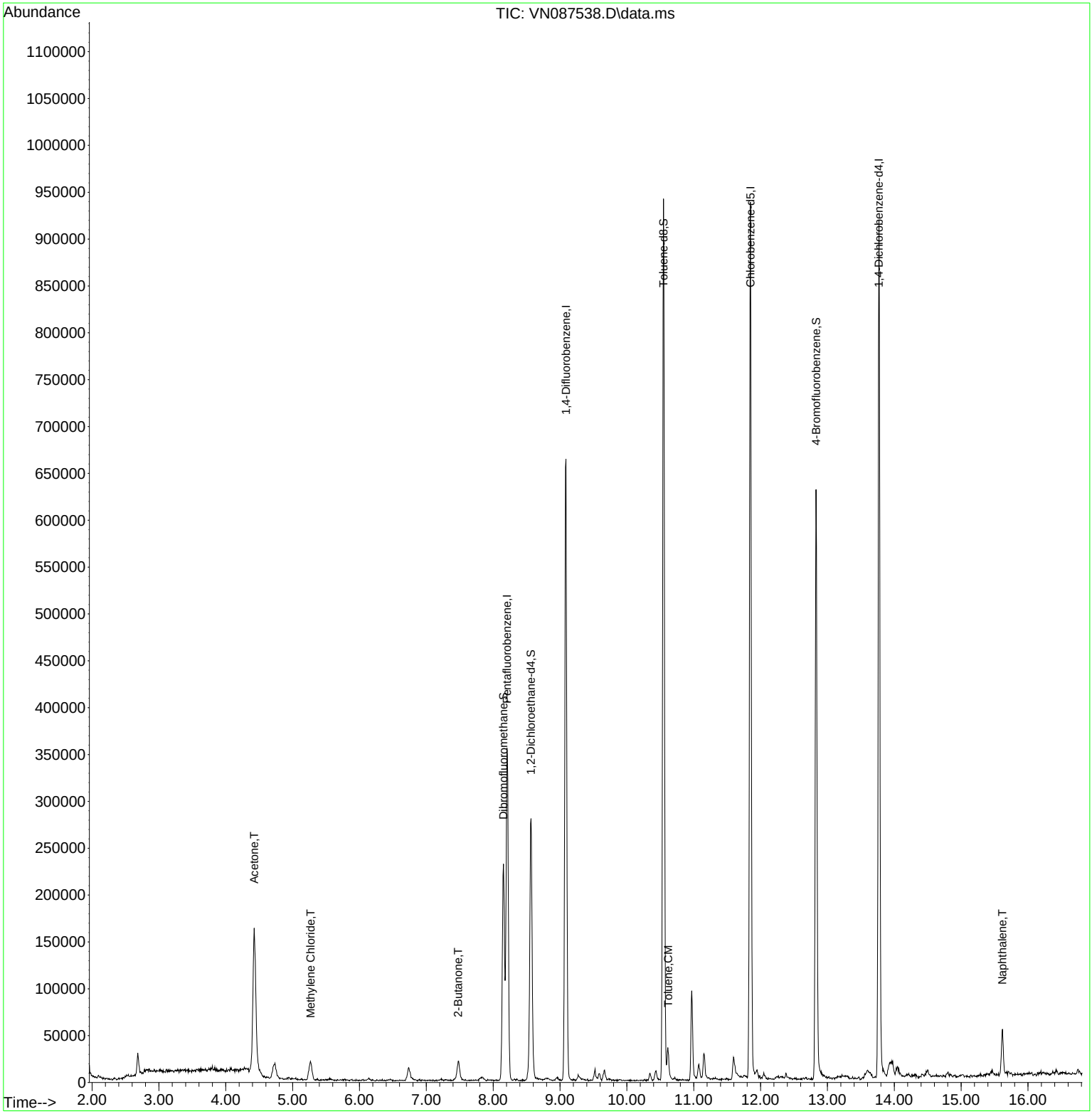
(#) = qualifier out of range (m) = manual integration (+) = signals summed

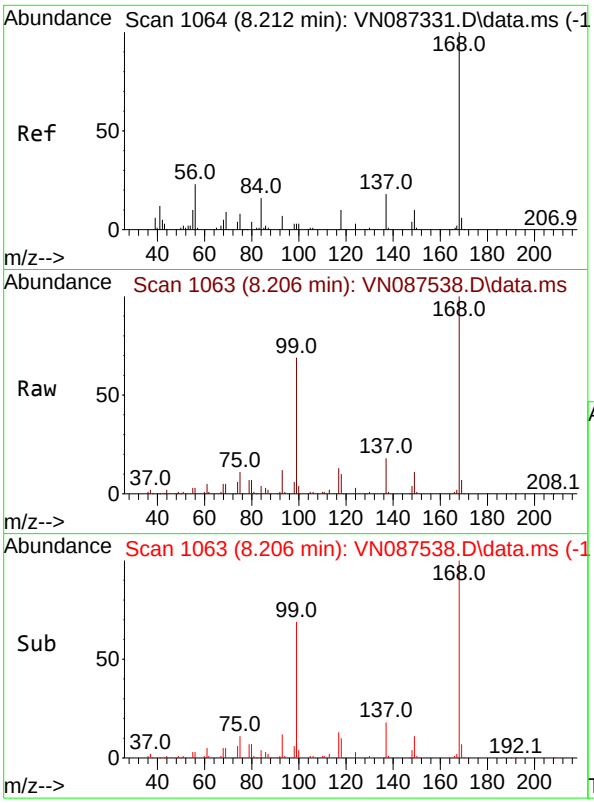
Sample Results: **VN087538.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087538.D
Acq On : 13 Aug 2025 16:21
Operator : JC\MD
Sample : Q2732-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A7-01-G

Quant Time: Aug 14 04:03:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



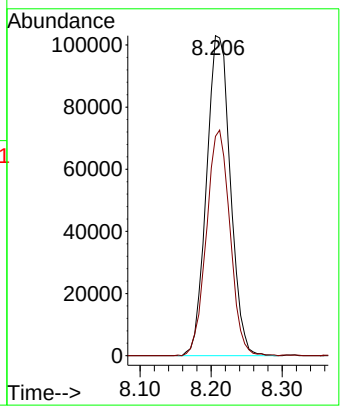


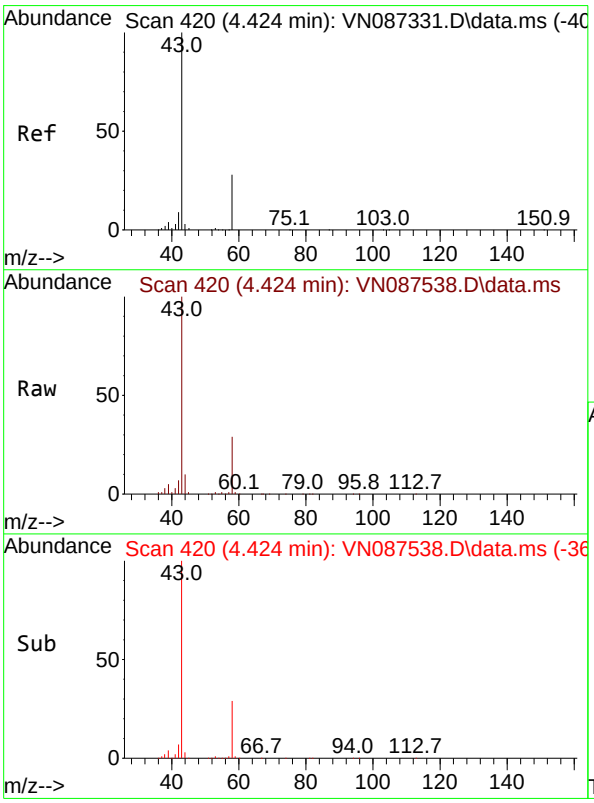
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A7-01-G

Tgt Ion:168 Resp: 239708

Ion	Ratio	Lower	Upper
168	100		
99	68.5	47.9	71.9

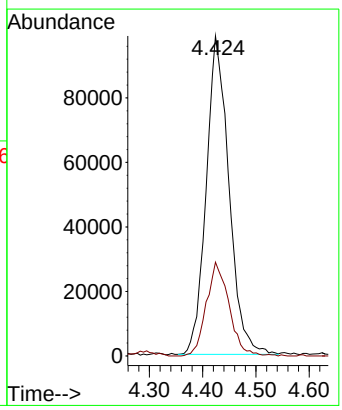


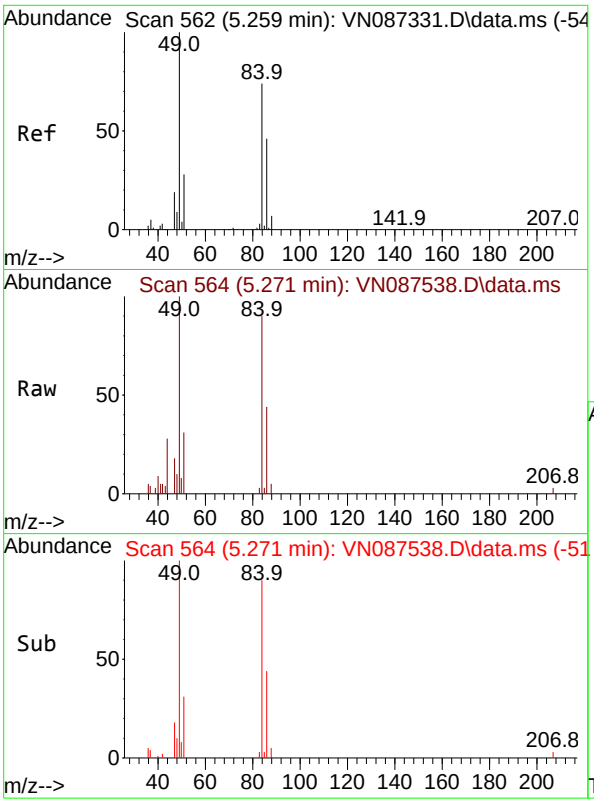


#16
Acetone
Concen: 153.495 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Tgt Ion: 43 Resp: 292723

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.3	33.5



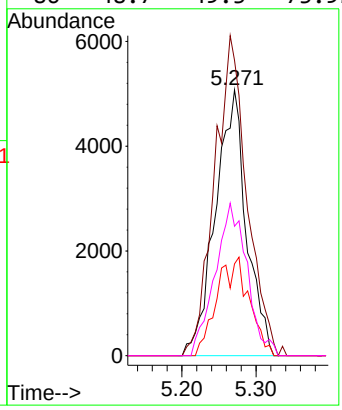


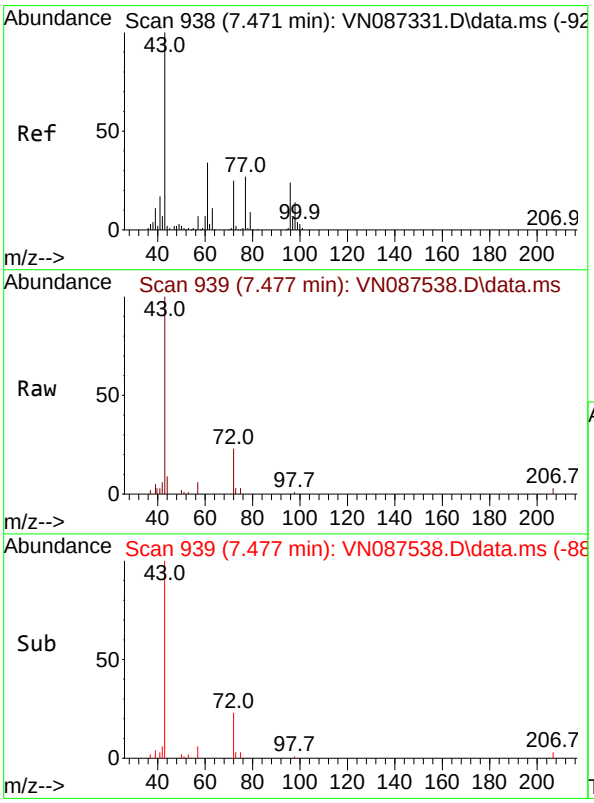
#20
Methylene Chloride
Concen: 3.988 ug/l
RT: 5.271 min Scan# 5
Delta R.T. 0.012 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A7-01-G

Tgt Ion: 84 Resp: 14756

Ion	Ratio	Lower	Upper
84	100		
49	111.2	107.5	161.3
51	34.5	30.2	45.2
86	48.7	49.3	73.9#

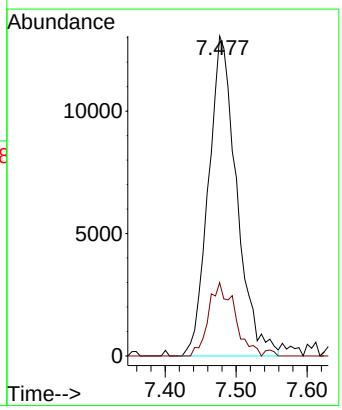


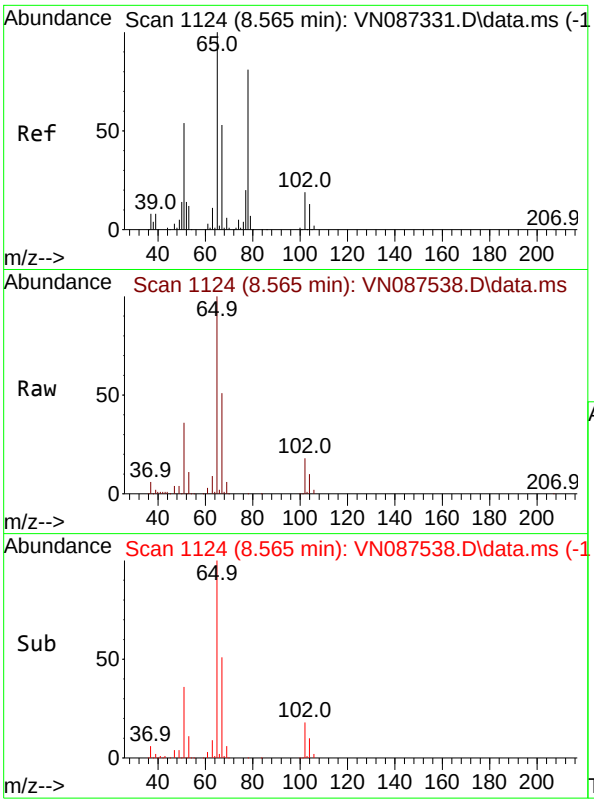


#25
2-Butanone
Concen: 12.232 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Tgt Ion: 43 Resp: 36044

Ion	Ratio	Lower	Upper
43	100		
72	22.9	19.6	29.4



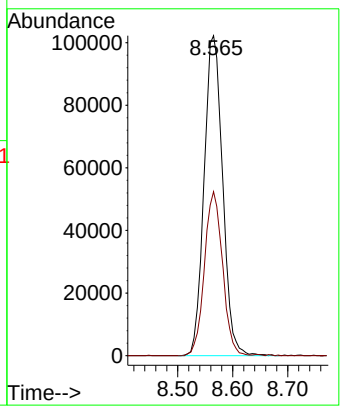


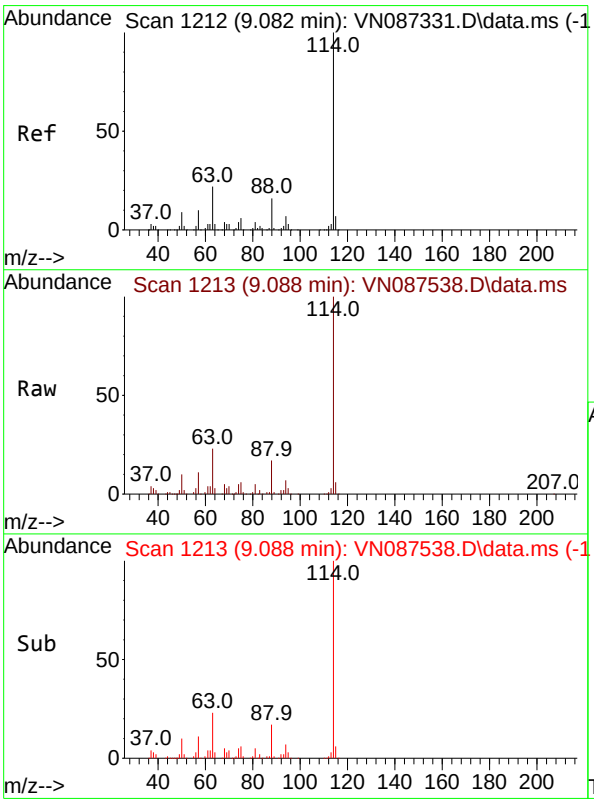
#33
1,2-Dichloroethane-d4
Concen: 58.889 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A7-01-G

Tgt Ion: 65 Resp: 239523

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	104.0

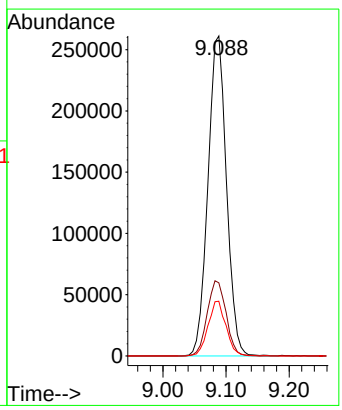


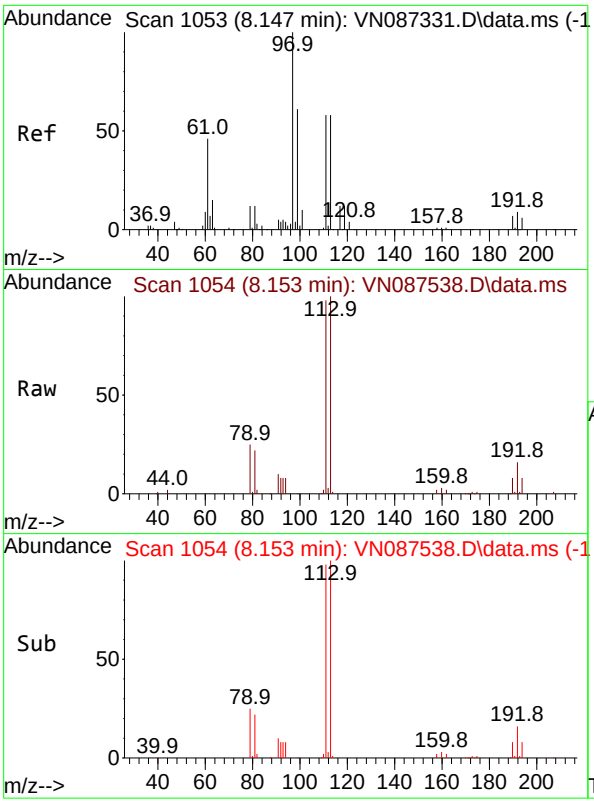


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Tgt Ion:114 Resp: 533270

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.6
88	17.1	0.0	32.8



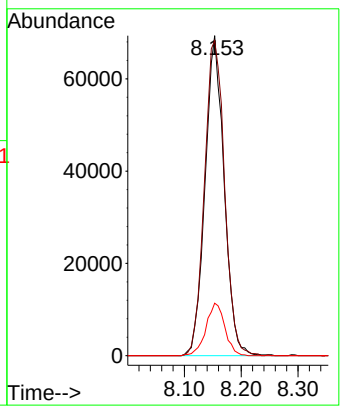


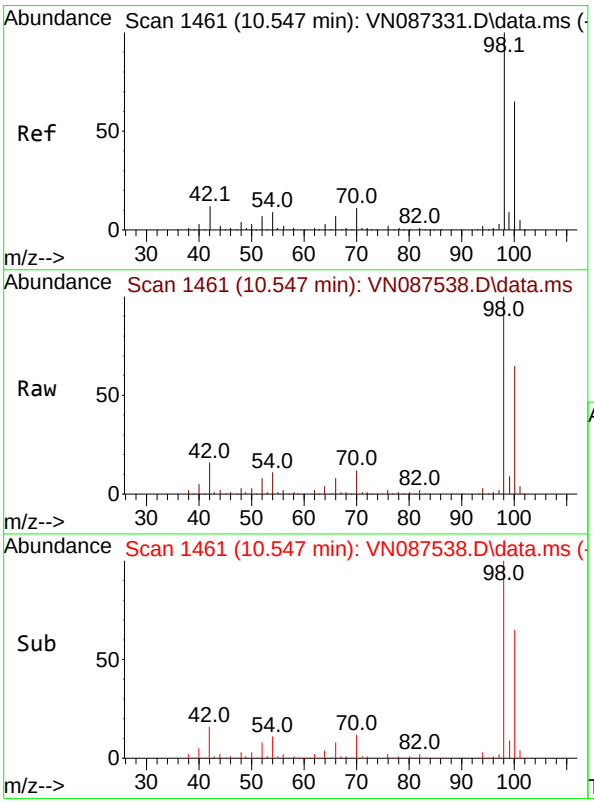
#35
Dibromofluoromethane
Concen: 43.806 ug/l
RT: 8.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A7-01-G

Tgt Ion:113 Resp: 161141

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.5	123.7
192	16.3	13.7	20.5

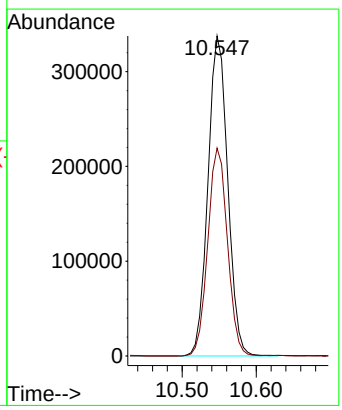


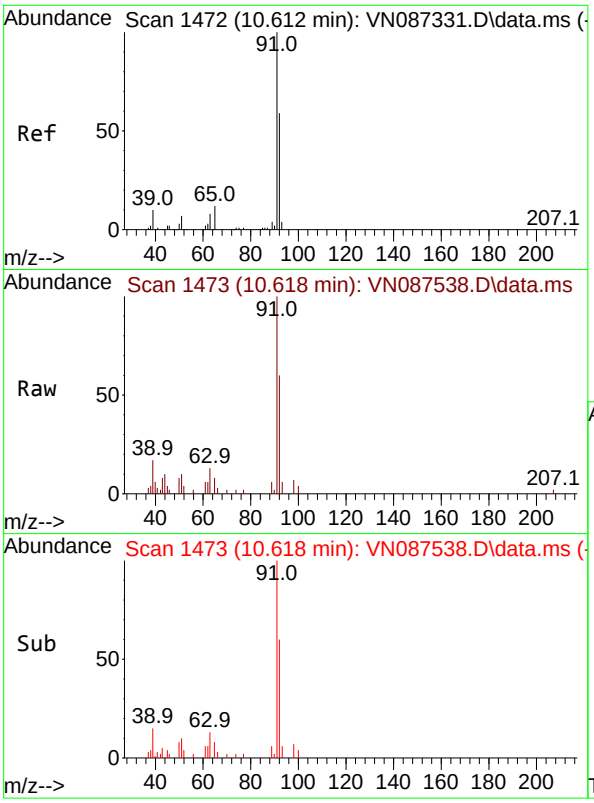


#50
Toluene-d8
Concen: 47.587 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Tgt Ion: 98 Resp: 624414

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1



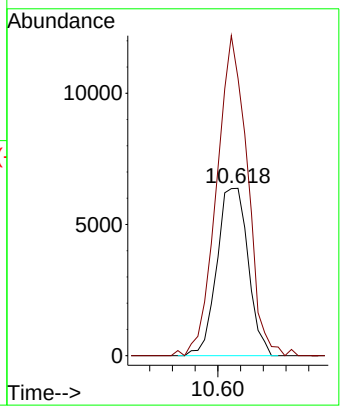


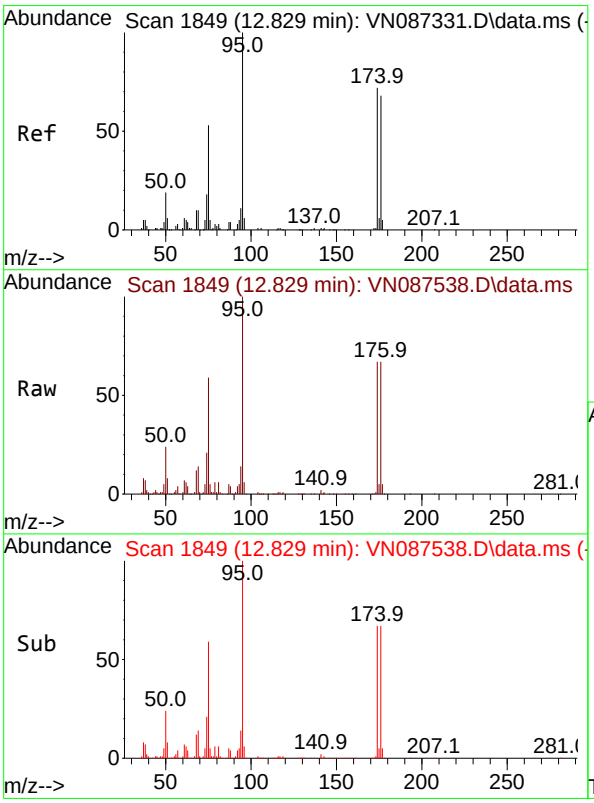
#52
Toluene
Concen: 1.276 ug/l
RT: 10.618 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A7-01-G

Tgt Ion: 92 Resp: 12182

Ion	Ratio	Lower	Upper
92	100		
91	188.5	135.1	202.7

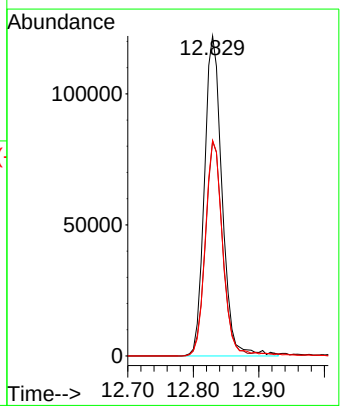


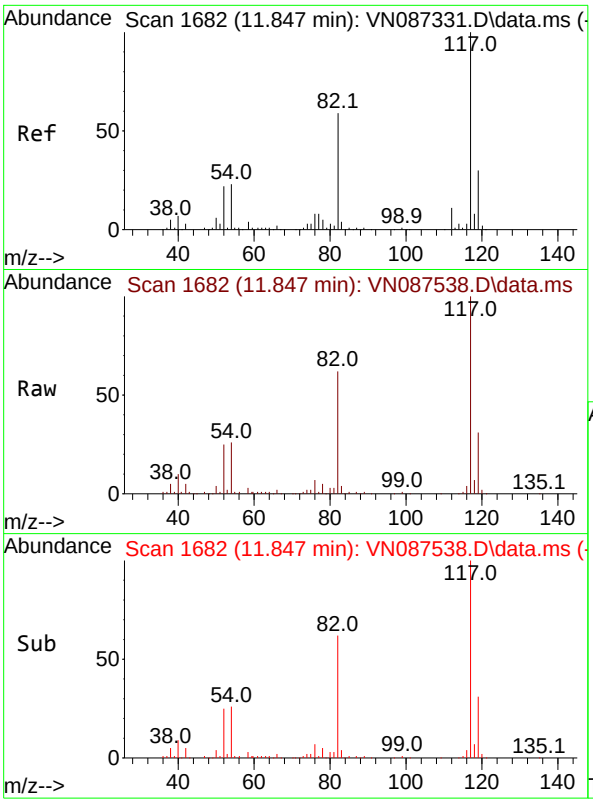


#62
4-Bromofluorobenzene
Concen: 47.073 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Tgt Ion: 95 Resp: 228200

Ion	Ratio	Lower	Upper
95	100		
174	65.2	0.0	149.4
176	66.9	0.0	141.2



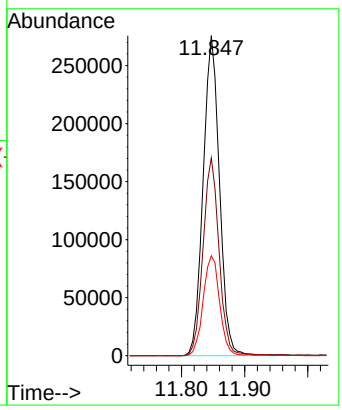


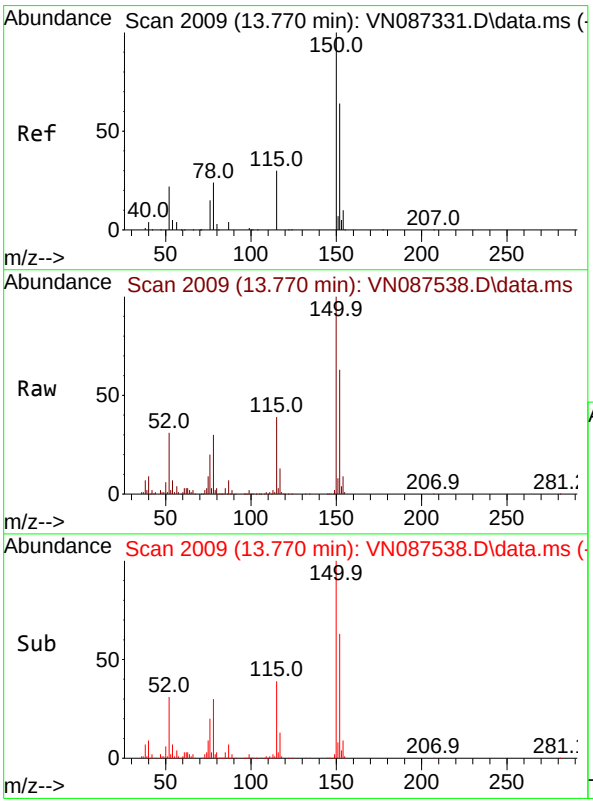
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A7-01-G

Tgt Ion:117 Resp: 494800

Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.4	71.2
119	31.2	23.8	35.8

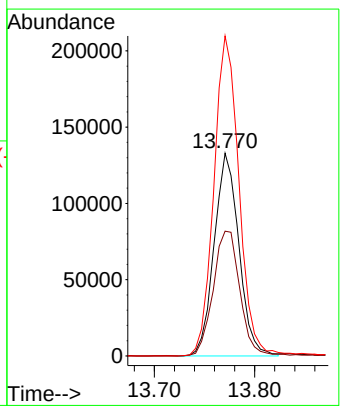


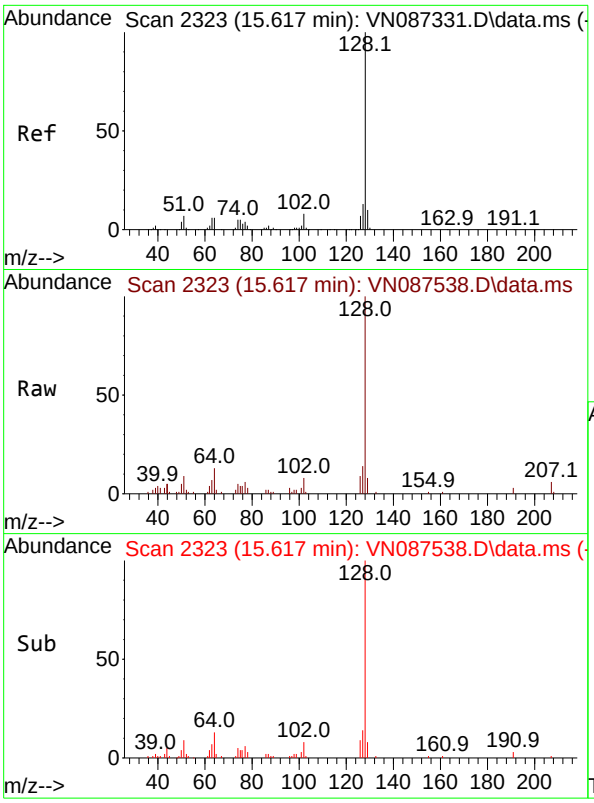


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Tgt Ion:152 Resp: 227638

Ion	Ratio	Lower	Upper
152	100		
115	67.1	31.1	93.5
150	161.0	0.0	349.0



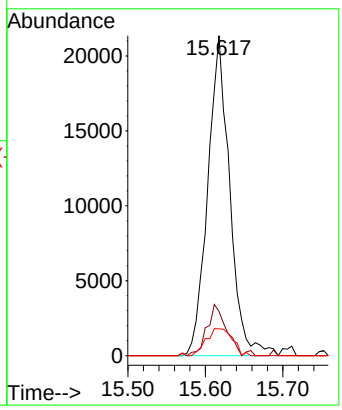


#95
Naphthalene
Concen: 2.927 ug/l
RT: 15.617 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087538.D
Acq: 13 Aug 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A7-01-G

Tgt Ion:128 Resp: 42077

Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.5	15.7
129	10.1	8.4	12.6



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG No.: Q2732

Instrument ID: MSVOA_N Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:05 18:54

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

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4
2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.7
Carbon Tetrachloride	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.1
Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	4
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2
Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.5
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N071625W.M
Title : SW846 8260
Last Update : Thu Jul 17 02:56:13 2025
Response Via : Initial Calibration

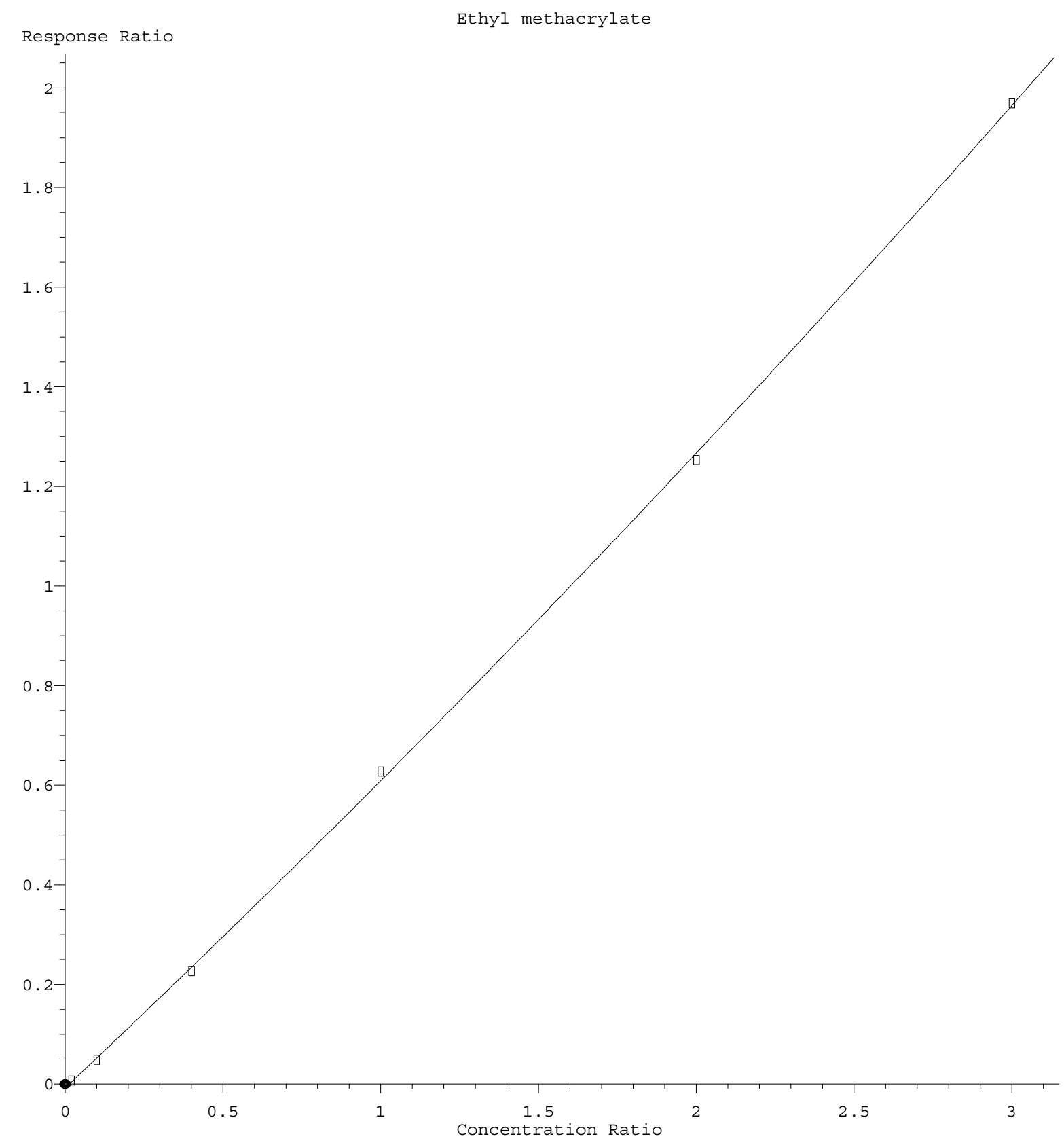
Calibration Files
1 =VN087328.D 5 =VN087329.D 20 =VN087330.D 50 =VN087331.D 100 =VN087332.D 150 =VN087333.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.447	0.443	0.443	0.623	0.606	0.625	0.531	17.98
3)	P	Chloromethane	0.714	0.659	0.588	0.690	0.659	0.698	0.668	6.70
4)	C	Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.93#
5)	T	Bromomethane		0.328	0.308	0.355	0.356	0.370	0.344	7.22
6)	T	Chloroethane	0.396	0.485	0.431	0.441	0.415	0.429	0.433	6.96
7)	T	Trichlorofluor...	0.959	0.975	0.963	1.025	0.960	1.007	0.981	2.83
8)	T	Diethyl Ether	0.335	0.391	0.399	0.395	0.371	0.393	0.381	6.40
9)	T	1,1,2-Trichlor...	0.463	0.495	0.539	0.525	0.491	0.509	0.504	5.34
10)	T	Methyl Iodide		0.288	0.360	0.494	0.554	0.564	0.452	27.17
11)	T	Tert butyl alc...		0.164	0.155	0.161	0.161	0.164	0.161	2.41
12)	CM	1,1-Dichloroet...	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.41#
13)	T	Acrolein		0.140	0.112	0.121	0.130	0.143	0.129	9.85
14)	T	Allyl chloride	0.949	0.978	1.134	1.002	0.995	1.141	1.033	8.02
15)	T	Acrylonitrile	0.419	0.419	0.455	0.453	0.436	0.440	0.437	3.57
16)	T	Acetone	0.455	0.426	0.393	0.387	0.361	0.366	0.398	9.15
17)	T	Carbon Disulfide	1.686	1.685	1.669	1.733	1.643	1.739	1.693	2.20
18)	T	Methyl Acetate	1.007	1.052	0.991	0.991	0.962	0.993	0.999	2.99
19)	T	Methyl tert-bu...	1.911	2.099	2.106	2.167	2.129	2.213	2.104	4.93
20)	T	Methylene Chlo...	1.107	0.788	0.700	0.672	0.655	0.672	0.766	22.70
21)	T	trans-1,2-Dich...	0.667	0.669	0.643	0.653	0.618	0.613	0.644	3.69
22)	T	Diisopropyl ether	1.797	2.199	2.353	2.286	2.165	2.201	2.167	8.94
23)	T	Vinyl Acetate	1.421	1.685	2.101	2.114	2.007	2.044	1.895	14.81
24)	P	1,1-Dichloroet...	1.304	1.325	1.254	1.222	1.185	1.212	1.250	4.38
25)	T	2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.65
26)	T	2,2-Dichloropr...	1.013	0.963	1.001	0.982	0.933	0.941	0.972	3.34
27)	T	cis-1,2-Dichlo...	0.704	0.737	0.747	0.767	0.740	0.751	0.741	2.83
28)	T	Bromochloromet...	0.596	0.640	0.578	0.595	0.597	0.584	0.598	3.64
29)	T	Tetrahydrofuran	0.360	0.397	0.413	0.425	0.400	0.401	0.399	5.52
30)	C	Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	3.97#
31)	T	Cyclohexane		1.148	1.039	1.046	0.981	1.002	1.043	6.16
32)	T	1,1,1-Trichlor...	1.043	1.146	1.096	1.084	1.049	1.085	1.084	3.42
33)	S	1,2-Dichloroet...		0.939	0.820	0.802	0.818	0.863	0.848	6.56
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.347	0.341	0.332	0.348	0.356	0.345	2.55
36)	T	1,1-Dichloropr...	0.387	0.437	0.459	0.487	0.477	0.487	0.456	8.47
37)	T	Ethyl Acetate	0.587	0.671	0.655	0.706	0.660	0.669	0.658	5.94
38)	T	Carbon Tetrach...	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.10
39)	T	Methylcyclohexane	0.447	0.442	0.482	0.529	0.519	0.541	0.493	8.62
40)	TM	Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.34
41)	T	Methacrylonitrile	0.289	0.330	0.362	0.368	0.353	0.363	0.344	8.81
42)	TM	1,2-Dichloroet...	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.78
43)	T	Isopropyl Acetate	0.938	0.999	1.029	1.071	1.038	1.055	1.022	4.64
44)	TM	Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.49
45)	C	1,2-Dichloropr...	0.335	0.367	0.395	0.395	0.376	0.378	0.374	5.90#
46)	T	Dibromomethane	0.265	0.296	0.279	0.289	0.274	0.278	0.280	3.94
47)	T	Bromodichlorom...	0.568	0.572	0.559	0.569	0.553	0.565	0.564	1.21
48)	T	Methyl methacr...	0.372	0.412	0.475	0.505	0.493	0.503	0.460	12.06
49)	T	1,4-Dioxane	0.006	0.007	0.007	0.008	0.008	0.008	0.007	12.52
50)	S	Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.72
51)	T	4-Methyl-2-Pen...	0.551	0.641	0.685	0.689	0.658	0.652	0.646	7.79
52)	CM	Toluene	0.774	0.849	0.940	0.963	0.916	0.929	0.895	7.93#
53)	T	t-1,3-Dichloro...	0.459	0.536	0.586	0.621	0.607	0.619	0.571	11.08
54)	T	cis-1,3-Dichlo...	0.489	0.564	0.602	0.632	0.620	0.632	0.590	9.40
55)	T	1,1,2-Trichlor...	0.367	0.364	0.365	0.367	0.357	0.354	0.362	1.57
56)	T	Ethyl methacry...	0.348	0.486	0.567	0.627	0.626	0.656	0.552	21.20

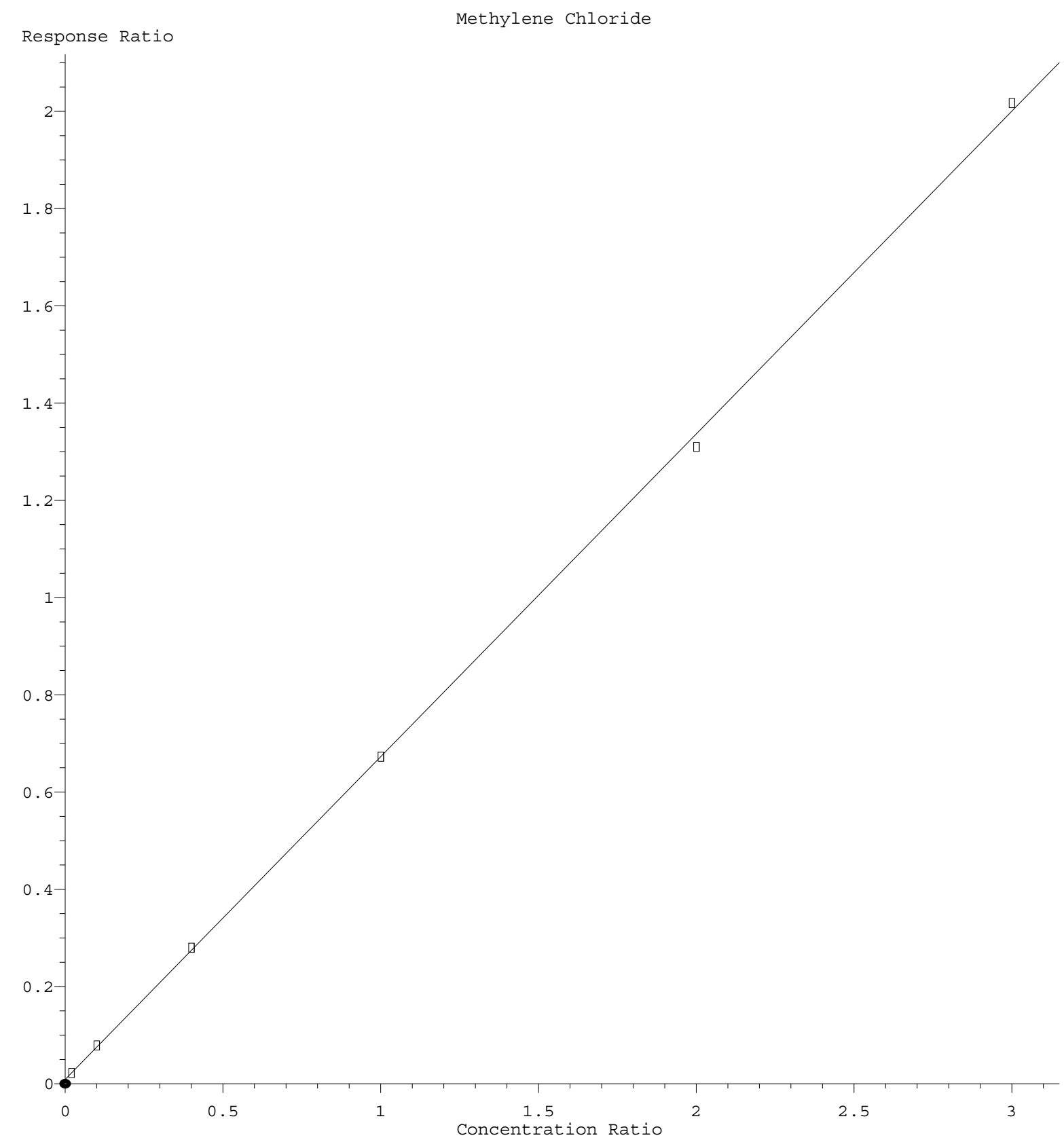
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N071625W.M

57)	T	1,3-Dichloropr...	0.556	0.621	0.652	0.655	0.636	0.640	0.627	5.82
58)	T	2-Chloroethyl ...	0.220	0.273	0.303	0.346	0.310	0.332	0.297	15.20
59)	T	2-Hexanone	0.279	0.373	0.465	0.495	0.481	0.479	0.429	19.95
60)	T	Dibromochlorom...	0.352	0.416	0.425	0.430	0.424	0.433	0.413	7.39
61)	T	1,2-Dibromoethane	0.367	0.373	0.391	0.385	0.381	0.389	0.381	2.49
62)	S	4-Bromofluorob...		0.405	0.433	0.455	0.476	0.505	0.455	8.46
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.16
65)	PM	Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.48
66)	T	1,1,1,2-Tetrac...	0.324	0.406	0.393	0.393	0.381	0.394	0.382	7.64
67)	C	Ethyl Benzene	1.643	1.738	1.882	1.942	1.905	1.979	1.848	7.04#
68)	T	m/p-Xylenes	0.541	0.646	0.717	0.758	0.734	0.756	0.692	12.20
69)	T	o-Xylene	0.491	0.606	0.702	0.723	0.710	0.734	0.661	14.39
70)	T	Styrene	0.726	1.032	1.186	1.255	1.217	1.257	1.112	18.59
71)	P	Bromoform	0.246	0.302	0.314	0.328	0.322	0.337	0.308	10.69
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.524	2.889	3.242	3.396	3.302	3.529	3.147	11.86
74)	T	N-amyl acetate	1.309	1.256	1.249	1.138	1.378	1.515	1.307	9.83
75)	P	1,1,2,2-Tetrac...	1.159	1.181	1.228	1.207	1.156	1.174	1.184	2.37
76)	T	1,2,3-Trichlor...	1.208	1.238	1.101	1.191	0.969	1.019	1.121	9.79
77)	T	Bromobenzene	0.669	0.791	0.862	0.869	0.830	0.876	0.816	9.63
78)	T	n-propylbenzene	3.252	3.716	4.089	4.294	4.109	4.295	3.959	10.25
79)	T	2-Chlorotoluene	2.085	2.348	2.535	2.533	2.493	2.605	2.433	7.84
80)	T	1,3,5-Trimethy...	2.069	2.517	2.816	2.928	2.799	2.959	2.681	12.62
81)	T	trans-1,4-Dich...		0.327	0.448	0.404	0.417	0.453	0.410	12.30
82)	T	4-Chlorotoluene	2.225	2.460	2.618	2.647	2.552	2.699	2.533	6.79
83)	T	tert-Butylbenzene	1.781	2.068	2.303	2.423	2.376	2.485	2.239	11.92
84)	T	1,2,4-Trimethy...	2.201	2.411	2.906	3.003	2.872	3.034	2.738	12.64
85)	T	sec-Butylbenzene	3.120	3.136	3.460	3.565	3.387	3.570	3.373	5.98
86)	T	p-Isopropyltol...	2.081	2.417	2.806	2.991	2.893	3.032	2.703	13.90
87)	T	1,3-Dichlorobe...	1.448	1.592	1.651	1.657	1.588	1.674	1.602	5.19
88)	T	1,4-Dichlorobe...	1.807	1.709	1.742	1.703	1.627	1.677	1.711	3.56
89)	T	n-Butylbenzene	2.278	2.425	2.648	2.761	2.614	2.762	2.581	7.49
90)	T	Hexachloroethane	0.593	0.564	0.562	0.576	0.552	0.590	0.573	2.86
91)	T	1,2-Dichlorobe...	1.303	1.534	1.596	1.577	1.510	1.583	1.517	7.23
92)	T	1,2-Dibromo-3-...	0.339	0.325	0.304	0.302	0.290	0.305	0.311	5.76
93)	T	1,2,4-Trichlor...	0.761	0.860	0.875	0.937	0.921	0.994	0.891	8.94
94)	T	Hexachlorobuta...	0.351	0.337	0.324	0.329	0.316	0.331	0.331	3.57
95)	T	Naphthalene	2.486	2.658	3.113	3.441	3.451	3.797	3.158	16.01
96)	T	1,2,3-Trichlor...	0.803	0.844	0.887	0.922	0.917	0.992	0.894	7.37

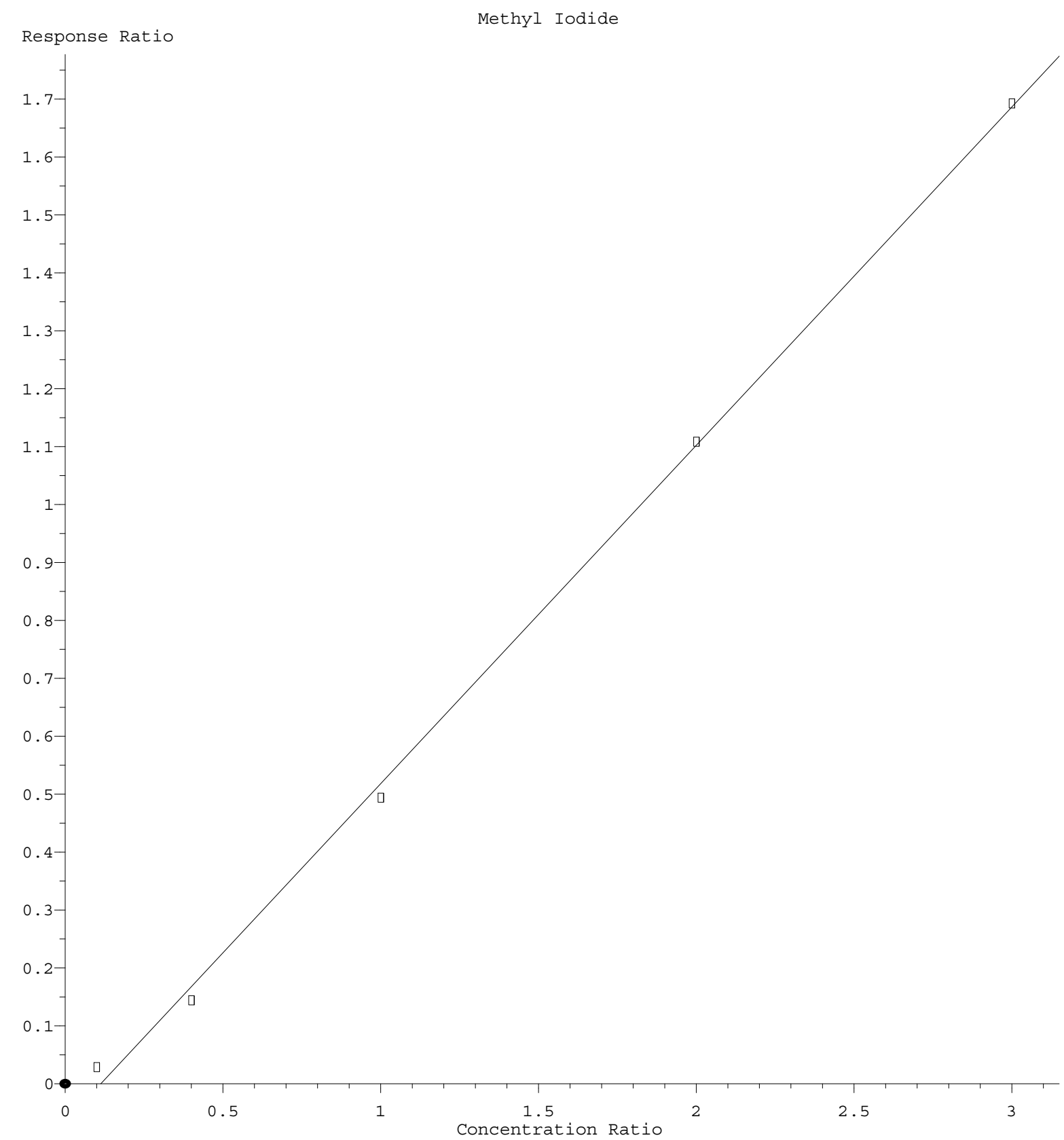
(#) = Out of Range



R = 2.028e-002 A*A + 5.966e-001 A - 7.578e-003
Coef of Det (r^2) = 0.999797 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071625W.M
Calibration Table Last Updated: Thu Jul 17 02:56:13 2025



Response = 6.638e-001 * Amt + 8.611e-003
Coef of Det (r^2) = 0.999669 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071625W.M
Calibration Table Last Updated: Thu Jul 17 02:56:13 2025



Response = 5.841e-001 * Amt - 6.578e-002
Coef of Det (r^2) = 0.998697 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071625W.M
Calibration Table Last Updated: Thu Jul 17 02:56:13 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087328.D
Acq On : 16 Jul 2025 17:05
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:16:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.212	168	166177	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.082	114	312474	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.847	117	274838	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	128808	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	1484	0.841	ug/l		98
3) Chloromethane	2.389	50	2372	1.069	ug/l		96
4) Vinyl Chloride	2.542	62	1841	0.835	ug/l	#	68
6) Chloroethane	3.153	64	1316	0.915	ug/l		93
7) Trichlorofluoromethane	3.506	101	3187	0.977	ug/l		92
8) Diethyl Ether	3.965	74	1114	0.880	ug/l		79
9) 1,1,2-Trichlorotrifluo...	4.371	101	1539	0.919	ug/l	#	31
12) 1,1-Dichloroethene	4.347	96	2112	1.113	ug/l	#	53
14) Allyl chloride	5.012	41	3155m	0.919	ug/l		
15) Acrylonitrile	5.712	53	6965	4.794	ug/l	#	80
16) Acetone	4.430	43	7566m	5.660	ug/l		
17) Carbon Disulfide	4.700	76	5602	0.996	ug/l	#	71
18) Methyl Acetate	5.018	43	3347	1.008	ug/l	#	74
19) Methyl tert-butyl Ether	5.789	73	6351m	0.908	ug/l		
20) Methylene Chloride	5.271	84	3679	1.019	ug/l	#	74
21) trans-1,2-Dichloroethene	5.777	96	2216	1.036	ug/l	#	53
22) Diisopropyl ether	6.659	45	5973	0.829	ug/l	#	75
23) Vinyl Acetate	6.600	43	23617	3.749	ug/l	#	93
24) 1,1-Dichloroethane	6.547	63	4333	1.043	ug/l	#	83
25) 2-Butanone	7.477	43	9174	4.491	ug/l		99
26) 2,2-Dichloropropane	7.471	77	3368	1.043	ug/l	#	67
27) cis-1,2-Dichloroethene	7.471	96	2340	0.950	ug/l		99
28) Bromochloromethane	7.794	49	1982	0.997	ug/l	#	85
29) Tetrahydrofuran	7.835	42	5981	4.507	ug/l		94
30) Chloroform	7.953	83	3924	0.943	ug/l	#	71
32) 1,1,1-Trichloroethane	8.165	97	3468	0.963	ug/l	#	45
36) 1,1-Dichloropropene	8.353	75	2421	0.850	ug/l		96
37) Ethyl Acetate	7.547	43	3670	0.892	ug/l	#	82
38) Carbon Tetrachloride	8.341	117	2833	0.903	ug/l	#	83
39) Methylcyclohexane	9.588	83	2794	0.906	ug/l	#	86
40) Benzene	8.588	78	8561	0.930	ug/l		97
41) Methacrylonitrile	7.771	41	1805	0.839	ug/l	#	87
42) 1,2-Dichloroethane	8.653	62	3456	0.990	ug/l		89
43) Isopropyl Acetate	8.677	43	5865	0.919	ug/l	#	95
44) Trichloroethene	9.341	130	2331	1.072	ug/l		70
45) 1,2-Dichloropropane	9.606	63	2094	0.895	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087328.D
Acq On : 16 Jul 2025 17:05
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:16:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.694	93	1657	0.946	ug/l	#	87
47) Bromodichloromethane	9.871	83	3549	1.006	ug/l	#	91
48) Methyl methacrylate	9.671	41	2322	0.808	ug/l		94
49) 1,4-Dioxane	9.682	88	696	15.810	ug/l	#	53
51) 4-Methyl-2-Pentanone	10.429	43	17216	4.263	ug/l		91
52) Toluene	10.612	92	4834	0.864	ug/l		91
53) t-1,3-Dichloropropene	10.818	75	2869	0.804	ug/l	#	56
54) cis-1,3-Dichloropropene	10.294	75	3059	0.830	ug/l		94
55) 1,1,2-Trichloroethane	11.000	97	2294	1.013	ug/l	#	83
56) Ethyl methacrylate	10.859	69	2173	1.217	ug/l	#	90
57) 1,3-Dichloropropane	11.141	76	3477	0.888	ug/l		95
58) 2-Chloroethyl Vinyl ether	10.141	63	6887	3.707	ug/l		96
59) 2-Hexanone	11.182	43	8707	3.250	ug/l		87
60) Dibromochloromethane	11.347	129	2200	0.852	ug/l		82
61) 1,2-Dibromoethane	11.459	107	2291	0.962	ug/l		90
64) Tetrachloroethene	11.088	164	1807	1.022	ug/l	#	75
65) Chlorobenzene	11.870	112	6259	1.014	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.941	131	1783	0.850	ug/l	#	50
67) Ethyl Benzene	11.941	91	9031	0.889	ug/l		92
68) m/p-Xylenes	12.053	106	5952	1.565	ug/l		97
69) o-Xylene	12.388	106	2700	0.743	ug/l		91
70) Styrene	12.400	104	3989	0.653	ug/l		91
71) Bromoform	12.559	173	1351	0.797	ug/l	#	94
73) Isopropylbenzene	12.682	105	6501	0.802	ug/l		95
74) N-amyl acetate	12.841	43	3372m	1.065	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	2986	0.979	ug/l	#	78
76) 1,2,3-Trichloropropane	12.976	75	3113m	1.089	ug/l		
77) Bromobenzene	12.953	156	1724	0.820	ug/l		79
78) n-propylbenzene	13.017	91	8378	0.821	ug/l		95
79) 2-Chlorotoluene	13.100	91	5372	0.857	ug/l		93
80) 1,3,5-Trimethylbenzene	13.147	105	5329	0.772	ug/l		93
82) 4-Chlorotoluene	13.200	91	5733	0.878	ug/l		96
83) tert-Butylbenzene	13.412	119	4588	0.795	ug/l		90
84) 1,2,4-Trimethylbenzene	13.464	105	5671	0.804	ug/l		87
85) sec-Butylbenzene	13.594	105	8037	0.925	ug/l		97
86) p-Isopropyltoluene	13.712	119	5360	0.770	ug/l		92
87) 1,3-Dichlorobenzene	13.712	146	3731	0.904	ug/l		89
88) 1,4-Dichlorobenzene	13.794	146	4655m	1.056	ug/l		
89) n-Butylbenzene	14.035	91	5869	0.883	ug/l		91
90) Hexachloroethane	14.317	117	1527	1.035	ug/l		87
91) 1,2-Dichlorobenzene	14.088	146	3358	0.859	ug/l		85
92) 1,2-Dibromo-3-Chloropr...	14.711	75	874	1.091	ug/l	#	56
93) 1,2,4-Trichlorobenzene	15.376	180	1960	0.854	ug/l		78
94) Hexachlorobutadiene	15.476	225	903	1.058	ug/l		76
95) Naphthalene	15.611	128	6404	0.787	ug/l	#	95
96) 1,2,3-Trichlorobenzene	15.806	180	2068	0.898	ug/l		99

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

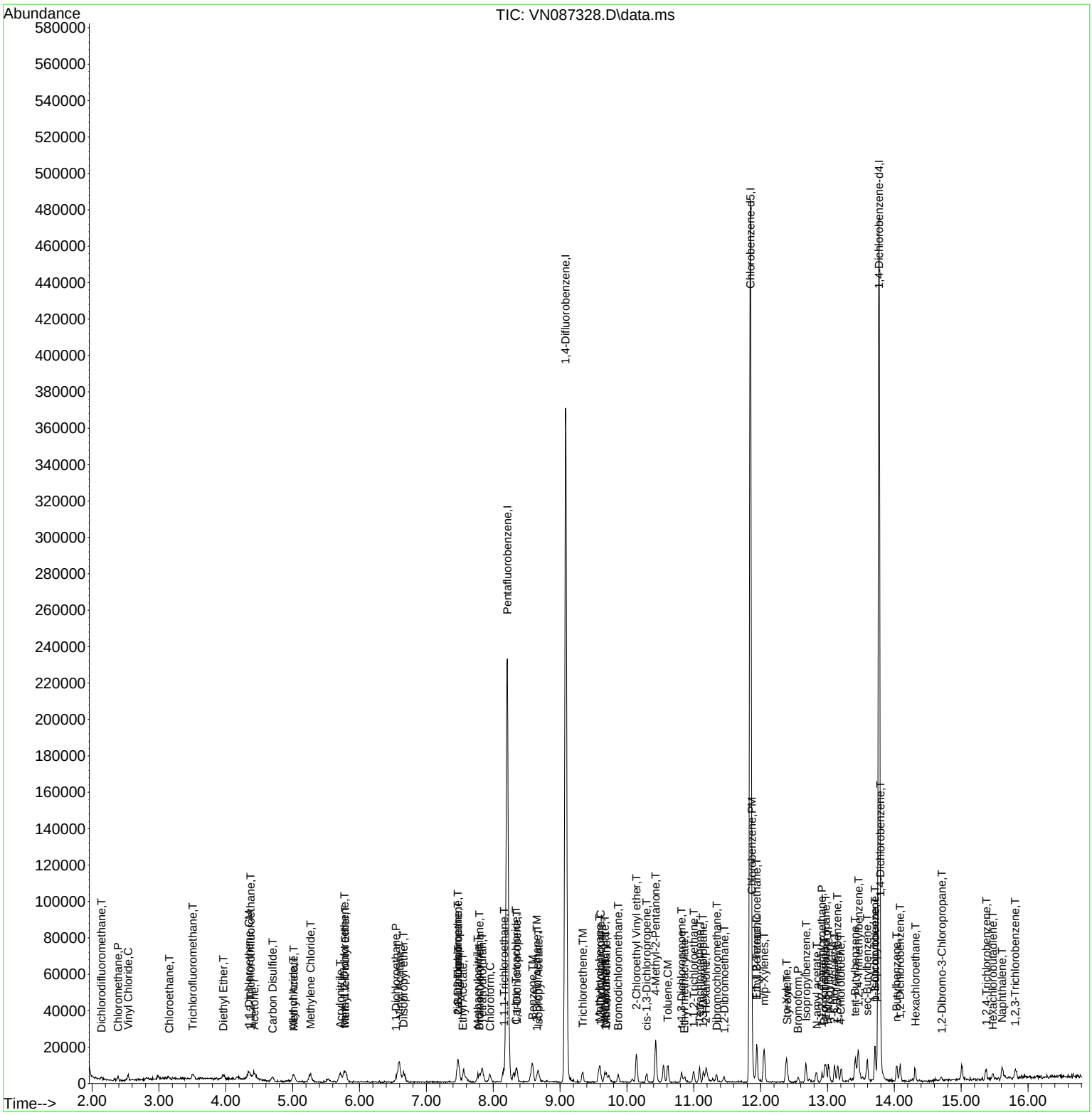
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087328.D
Acq On : 16 Jul 2025 17:05
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 02:16:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087329.D
Acq On : 16 Jul 2025 17:27
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.206	168	172217	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.088	114	319926	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.847	117	285583	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	146494	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.565	65	16177	5.536	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.080%#				
35) Dibromofluoromethane	8.153	113	11111	5.035	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.060%#				
50) Toluene-d8	10.547	98	37751	4.796	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.600%#				
62) 4-Bromofluorobenzene	12.829	95	12943	4.450	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 8.900%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	7633	4.173	ug/l		90
3) Chloromethane	2.383	50	11350	4.934	ug/l		96
4) Vinyl Chloride	2.536	62	11459	5.013	ug/l		98
5) Bromomethane	2.971	94	5657	4.779	ug/l		87
6) Chloroethane	3.124	64	8358	5.606	ug/l	#	81
7) Trichlorofluoromethane	3.506	101	16796	4.969	ug/l	#	83
8) Diethyl Ether	3.959	74	6731	5.133	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.371	101	8532	4.917	ug/l	#	19
10) Methyl Iodide	4.577	142	4952m	8.093	ug/l		
11) Tert butyl alcohol	5.536	59	14147	25.497	ug/l		98
12) 1,1-Dichloroethene	4.330	96	11037	5.613	ug/l	#	83
13) Acrolein	4.177	56	12045	27.050	ug/l		96
14) Allyl chloride	5.006	41	16836	4.731	ug/l		97
15) Acrylonitrile	5.718	53	36114	23.986	ug/l		92
16) Acetone	4.430	43	36648	26.455	ug/l		96
17) Carbon Disulfide	4.695	76	29024	4.979	ug/l		94
18) Methyl Acetate	5.006	43	18125	5.265	ug/l		99
19) Methyl tert-butyl Ether	5.800	73	36155	4.989	ug/l		95
20) Methylene Chloride	5.259	84	13570	5.286	ug/l	#	86
21) trans-1,2-Dichloroethene	5.765	96	11514	5.193	ug/l		81
22) Diisopropyl ether	6.671	45	37879	5.075	ug/l	#	97
23) Vinyl Acetate	6.594	43	145089	22.225	ug/l	#	94
24) 1,1-Dichloroethane	6.547	63	22819	5.299	ug/l		95
25) 2-Butanone	7.477	43	52336	24.722	ug/l		95
26) 2,2-Dichloropropane	7.483	77	16583	4.953	ug/l		100
27) cis-1,2-Dichloroethene	7.471	96	12690	4.972	ug/l		99
28) Bromochloromethane	7.789	49	11022	5.348	ug/l	#	16
29) Tetrahydrofuran	7.830	42	34146	24.829	ug/l		99
30) Chloroform	7.959	83	22369	5.190	ug/l		84
31) Cyclohexane	8.236	56	19764	5.502	ug/l		87
32) 1,1,1-Trichloroethane	8.153	97	19739	5.287	ug/l	#	51
36) 1,1-Dichloropropene	8.347	75	13965	4.790	ug/l		98
37) Ethyl Acetate	7.553	43	21482	5.102	ug/l		97
38) Carbon Tetrachloride	8.341	117	16718	5.205	ug/l	#	89
39) Methylcyclohexane	9.582	83	14154	4.484	ug/l		86
40) Benzene	8.583	78	45748	4.855	ug/l		94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087329.D
Acq On : 16 Jul 2025 17:27
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	10551	4.792	ug/l		97
42) 1,2-Dichloroethane	8.653	62	18086	5.061	ug/l		96
43) Isopropyl Acetate	8.677	43	31964	4.890	ug/l		100
44) Trichloroethene	9.335	130	10573	4.748	ug/l		79
45) 1,2-Dichloropropane	9.606	63	11728	4.898	ug/l		95
46) Dibromomethane	9.694	93	9473	5.284	ug/l		96
47) Bromodichloromethane	9.865	83	18300	5.068	ug/l	#	82
48) Methyl methacrylate	9.665	41	13169	4.475	ug/l		95
49) 1,4-Dioxane	9.682	88	4176	92.653	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.430	43	102519	24.797	ug/l		97
52) Toluene	10.612	92	27158	4.742	ug/l		96
53) t-1,3-Dichloropropene	10.824	75	17133	4.688	ug/l	#	87
54) cis-1,3-Dichloropropene	10.294	75	18046	4.780	ug/l		97
55) 1,1,2-Trichloroethane	11.000	97	11643	5.021	ug/l	#	88
56) Ethyl methacrylate	10.859	69	15548	4.693	ug/l		95
57) 1,3-Dichloropropane	11.141	76	19868	4.956	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.147	63	43690	22.968	ug/l		94
59) 2-Hexanone	11.182	43	59736	21.778	ug/l		99
60) Dibromochloromethane	11.335	129	13321	5.037	ug/l		100
61) 1,2-Dibromoethane	11.453	107	11942	4.898	ug/l		89
64) Tetrachloroethene	11.082	164	9660	5.256	ug/l		95
65) Chlorobenzene	11.871	112	32304	5.038	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.941	131	11581	5.312	ug/l		96
67) Ethyl Benzene	11.947	91	49622	4.701	ug/l		92
68) m/p-Xylenes	12.059	106	36883	9.332	ug/l		98
69) o-Xylene	12.376	106	17293	4.580	ug/l		97
70) Styrene	12.394	104	29462	4.639	ug/l		99
71) Bromoform	12.559	173	8628	4.899	ug/l	#	96
73) Isopropylbenzene	12.676	105	42320	4.590	ug/l		98
74) N-amyl acetate	12.647	43	18405m	5.113	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	17305	4.988	ug/l		95
76) 1,2,3-Trichloropropane	12.976	75	18135m	5.580	ug/l		
77) Bromobenzene	12.965	156	11589	4.847	ug/l		84
78) n-propylbenzene	13.018	91	54443	4.693	ug/l		99
79) 2-Chlorotoluene	13.106	91	34400	4.825	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	36874	4.694	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	4795	3.994	ug/l	#	80
82) 4-Chlorotoluene	13.200	91	36031	4.854	ug/l		98
83) tert-Butylbenzene	13.418	119	30293	4.617	ug/l		96
84) 1,2,4-Trimethylbenzene	13.465	105	35326	4.403	ug/l		99
85) sec-Butylbenzene	13.594	105	45947	4.649	ug/l		98
86) p-Isopropyltoluene	13.706	119	35413	4.471	ug/l		97
87) 1,3-Dichlorobenzene	13.718	146	23326	4.970	ug/l		95
88) 1,4-Dichlorobenzene	13.794	146	25031	4.994	ug/l		90
89) n-Butylbenzene	14.035	91	35522	4.697	ug/l		95
90) Hexachloroethane	14.312	117	8261	4.923	ug/l		98
91) 1,2-Dichlorobenzene	14.088	146	22474	5.055	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	4757	5.223	ug/l		87
93) 1,2,4-Trichlorobenzene	15.364	180	12595	4.823	ug/l		97
94) Hexachlorobutadiene	15.476	225	4936	5.087	ug/l		98
95) Naphthalene	15.617	128	38936	4.208	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	12368	4.721	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087329.D
Acq On : 16 Jul 2025 17:27
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

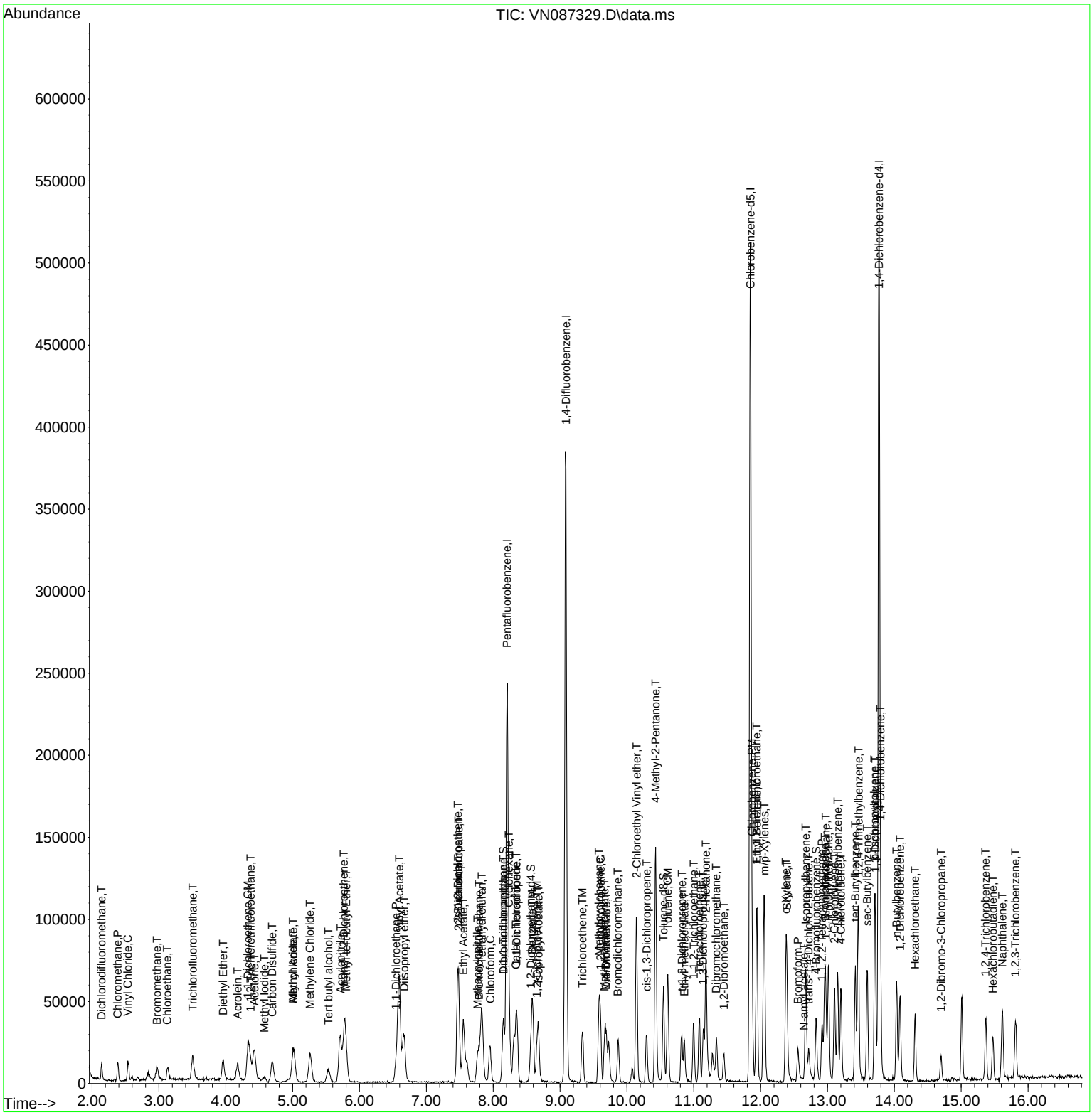
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087329.D
Acq On : 16 Jul 2025 17:27
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 02:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087330.D
Acq On : 16 Jul 2025 17:49
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:18:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	178514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	328159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	297202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	156249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	58584	19.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.680%#		
35) Dibromofluoromethane	8.153	113	44726	19.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.520%#		
50) Toluene-d8	10.547	98	154381	19.119	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.240%#		
62) 4-Bromofluorobenzene	12.829	95	56832	19.051	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.100%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	31604	16.669	ug/l	86
3) Chloromethane	2.383	50	41982	17.608	ug/l	94
4) Vinyl Chloride	2.542	62	44508	18.784	ug/l	99
5) Bromomethane	2.971	94	22025	17.950	ug/l	98
6) Chloroethane	3.130	64	30785	19.922	ug/l	100
7) Trichlorofluoromethane	3.506	101	68764	19.626	ug/l	97
8) Diethyl Ether	3.959	74	28520	20.984	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	38516	21.414	ug/l	95
10) Methyl Iodide	4.577	142	25698	17.955	ug/l	97
11) Tert butyl alcohol	5.530	59	55298	96.147	ug/l	99
12) 1,1-Dichloroethene	4.330	96	39480	19.370	ug/l	96
13) Acrolein	4.177	56	40135	86.954	ug/l	98
14) Allyl chloride	5.006	41	80983	21.955	ug/l	88
15) Acrylonitrile	5.712	53	162325	104.007	ug/l	99
16) Acetone	4.424	43	140161	97.607	ug/l	93
17) Carbon Disulfide	4.700	76	119191	19.725	ug/l #	93
18) Methyl Acetate	5.012	43	70735	19.824	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	150385	20.018	ug/l	97
20) Methylene Chloride	5.265	84	49951	20.427	ug/l	87
21) trans-1,2-Dichloroethene	5.771	96	45917	19.980	ug/l	90
22) Diisopropyl ether	6.659	45	168043	21.719	ug/l	97
23) Vinyl Acetate	6.594	43	750202	110.863	ug/l	98
24) 1,1-Dichloroethane	6.559	63	89552	20.062	ug/l	95
25) 2-Butanone	7.477	43	231983	105.718	ug/l	96
26) 2,2-Dichloropropane	7.483	77	71478	20.596	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	53347	20.162	ug/l	98
28) Bromochloromethane	7.794	49	41285	19.325	ug/l	100
29) Tetrahydrofuran	7.830	42	147436	103.426	ug/l	99
30) Chloroform	7.953	83	93018	20.819	ug/l	100
31) Cyclohexane	8.241	56	74161	19.915	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	78235	20.217	ug/l	97
36) 1,1-Dichloropropene	8.359	75	60302	20.163	ug/l	98
37) Ethyl Acetate	7.553	43	85921	19.893	ug/l	98
38) Carbon Tetrachloride	8.347	117	65336	19.832	ug/l	95
39) Methylcyclohexane	9.588	83	63264	19.539	ug/l	95
40) Benzene	8.588	78	197187	20.400	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087330.D
Acq On : 16 Jul 2025 17:49
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 17 02:18:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	47550	21.054 ug/l		97
42) 1,2-Dichloroethane	8.659	62	74680	20.374 ug/l		99
43) Isopropyl Acetate	8.677	43	135010	20.136 ug/l		99
44) Trichloroethene	9.335	130	44202	19.354 ug/l		98
45) 1,2-Dichloropropane	9.606	63	51786	21.086 ug/l		97
46) Dibromomethane	9.688	93	36673	19.943 ug/l		96
47) Bromodichloromethane	9.871	83	73409	19.819 ug/l		93
48) Methyl methacrylate	9.665	41	62316	20.645 ug/l		99
49) 1,4-Dioxane	9.682	88	18509	400.357 ug/l	#	100
51) 4-Methyl-2-Pentanone	10.429	43	449710	106.046 ug/l		99
52) Toluene	10.612	92	123391	21.002 ug/l		98
53) t-1,3-Dichloropropene	10.818	75	76959	20.530 ug/l		92
54) cis-1,3-Dichloropropene	10.294	75	79019	20.407 ug/l		96
55) 1,1,2-Trichloroethane	11.000	97	47960	20.164 ug/l		94
56) Ethyl methacrylate	10.859	69	74408	19.384 ug/l		99
57) 1,3-Dichloropropane	11.147	76	85537	20.800 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	198704	101.839 ug/l		100
59) 2-Hexanone	11.182	43	305342	108.526 ug/l		99
60) Dibromochloromethane	11.341	129	55783	20.564 ug/l		98
61) 1,2-Dibromoethane	11.447	107	51292	20.509 ug/l		97
64) Tetrachloroethene	11.082	164	37655	19.686 ug/l		93
65) Chlorobenzene	11.871	112	134668	20.183 ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.941	131	46671	20.570 ug/l		98
67) Ethyl Benzene	11.947	91	223715	20.367 ug/l		100
68) m/p-Xylenes	12.053	106	170590	41.473 ug/l		98
69) o-Xylene	12.376	106	83415	21.230 ug/l		98
70) Styrene	12.388	104	140937	21.323 ug/l		100
71) Bromoform	12.559	173	37362	20.383 ug/l	#	99
73) Isopropylbenzene	12.676	105	202595	20.601 ug/l		100
74) N-amyl acetate	12.512	43	78074m	20.334 ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	76720	20.733 ug/l		98
76) 1,2,3-Trichloropropane	12.976	75	68839m	19.858 ug/l		
77) Bromobenzene	12.959	156	53881	21.127 ug/l		97
78) n-propylbenzene	13.017	91	255577	20.656 ug/l		99
79) 2-Chlorotoluene	13.106	91	158436	20.836 ug/l		96
80) 1,3,5-Trimethylbenzene	13.153	105	176006	21.006 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.717	75	27975	21.846 ug/l		90
82) 4-Chlorotoluene	13.200	91	163615	20.667 ug/l		99
83) tert-Butylbenzene	13.417	119	143954	20.571 ug/l		98
84) 1,2,4-Trimethylbenzene	13.465	105	181623	21.226 ug/l		100
85) sec-Butylbenzene	13.594	105	216256	20.516 ug/l		99
86) p-Isopropyltoluene	13.706	119	175352	20.758 ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	103157	20.609 ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	108898	20.370 ug/l		98
89) n-Butylbenzene	14.035	91	165484	20.516 ug/l		99
90) Hexachloroethane	14.312	117	35108	19.615 ug/l		96
91) 1,2-Dichlorobenzene	14.088	146	99750	21.036 ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	19015	19.573 ug/l		98
93) 1,2,4-Trichlorobenzene	15.370	180	54714	19.643 ug/l		99
94) Hexachlorobutadiene	15.476	225	20248	19.563 ug/l		96
95) Naphthalene	15.617	128	194574	19.718 ug/l		100
96) 1,2,3-Trichlorobenzene	15.811	180	55463	19.850 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087330.D
Acq On : 16 Jul 2025 17:49
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:18:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

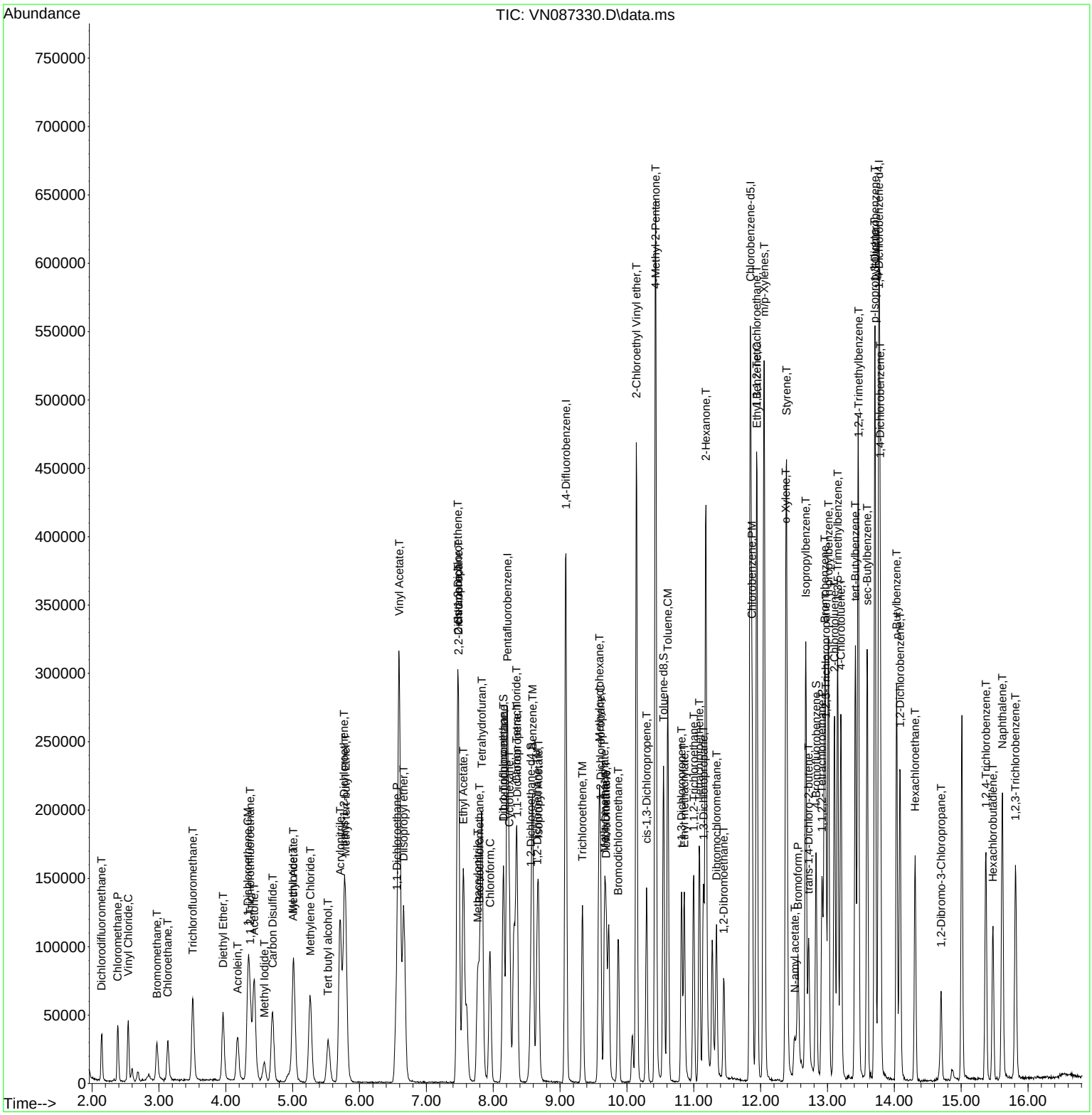
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087330.D
Acq On : 16 Jul 2025 17:49
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 17 02:18:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087331.D
Acq On : 16 Jul 2025 18:11
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:19:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	182792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	325711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	300150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	158477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	146559	47.253	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.500%			
35) Dibromofluoromethane	8.147	113	108271	48.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.380%			
50) Toluene-d8	10.547	98	398776	49.757	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.829	95	148158	50.037	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	113853	58.643	ug/l	100
3) Chloromethane	2.383	50	126054	51.631	ug/l	100
4) Vinyl Chloride	2.542	62	132985	54.810	ug/l	100
5) Bromomethane	2.971	94	64982	51.719	ug/l	100
6) Chloroethane	3.130	64	80606	50.942	ug/l	100
7) Trichlorofluoromethane	3.506	101	187302	52.206	ug/l	100
8) Diethyl Ether	3.959	74	72151	51.843	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	95895	52.068	ug/l	100
10) Methyl Iodide	4.577	142	90277	47.912	ug/l	100
11) Tert butyl alcohol	5.524	59	146939	249.504	ug/l	100
12) 1,1-Dichloroethene	4.330	96	99569	47.708	ug/l	100
13) Acrolein	4.177	56	110711	234.247	ug/l	100
14) Allyl chloride	5.012	41	183089	48.475	ug/l	100
15) Acrylonitrile	5.712	53	414273	259.227	ug/l	100
16) Acetone	4.424	43	353373	240.328	ug/l	100
17) Carbon Disulfide	4.694	76	316833	51.205	ug/l	100
18) Methyl Acetate	5.012	43	181199	49.594	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	396133	51.495	ug/l	100
20) Methylene Chloride	5.259	84	122921	50.001	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	119278	50.687	ug/l	100
22) Diisopropyl ether	6.665	45	417843	52.740	ug/l	100
23) Vinyl Acetate	6.588	43	1931809	278.796	ug/l	100
24) 1,1-Dichloroethane	6.553	63	223298	48.853	ug/l	100
25) 2-Butanone	7.471	43	588032	261.702	ug/l	100
26) 2,2-Dichloropropane	7.471	77	179431	50.492	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	140194	51.746	ug/l	100
28) Bromochloromethane	7.800	49	108748	49.713	ug/l	100
29) Tetrahydrofuran	7.829	42	388704	266.294	ug/l	100
30) Chloroform	7.953	83	233747	51.092	ug/l	100
31) Cyclohexane	8.241	56	191116	50.122	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	198135	50.002	ug/l	100
36) 1,1-Dichloropropene	8.353	75	158563	53.418	ug/l	100
37) Ethyl Acetate	7.547	43	230005	53.652	ug/l	100
38) Carbon Tetrachloride	8.347	117	168403	51.501	ug/l	100
39) Methylcyclohexane	9.582	83	172297	53.614	ug/l	100
40) Benzene	8.594	78	505723	52.714	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087331.D
Acq On : 16 Jul 2025 18:11
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:19:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	119895	53.486	ug/l		100
42) 1,2-Dichloroethane	8.653	62	184670	50.759	ug/l		100
43) Isopropyl Acetate	8.677	43	348709	52.399	ug/l		100
44) Trichloroethene	9.335	130	115974	51.160	ug/l		100
45) 1,2-Dichloropropane	9.606	63	128530	52.726	ug/l		100
46) Dibromomethane	9.688	93	94179	51.601	ug/l		100
47) Bromodichloromethane	9.871	83	185222	50.382	ug/l		100
48) Methyl methacrylate	9.665	41	164476	54.899	ug/l		100
49) 1,4-Dioxane	9.682	88	52072	1134.802	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.429	43	1122857	266.771	ug/l		100
52) Toluene	10.612	92	313806	53.814	ug/l		100
53) t-1,3-Dichloropropene	10.818	75	202129	54.327	ug/l		100
54) cis-1,3-Dichloropropene	10.294	75	205720	53.529	ug/l		100
55) 1,1,2-Trichloroethane	11.000	97	119612	50.666	ug/l		100
56) Ethyl methacrylate	10.859	69	204376	51.427	ug/l		100
57) 1,3-Dichloropropane	11.141	76	213343	52.267	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	562790	290.607	ug/l		100
59) 2-Hexanone	11.182	43	806824	288.920	ug/l		100
60) Dibromochloromethane	11.341	129	139955	51.982	ug/l		100
61) 1,2-Dibromoethane	11.453	107	125416	50.525	ug/l		100
64) Tetrachloroethene	11.088	164	96176	49.786	ug/l		100
65) Chlorobenzene	11.870	112	335833	49.837	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	117833	51.425	ug/l		100
67) Ethyl Benzene	11.947	91	582851	52.540	ug/l		100
68) m/p-Xylenes	12.053	106	455017	109.536	ug/l		100
69) o-Xylene	12.376	106	217121	54.717	ug/l		100
70) Styrene	12.394	104	376745	56.440	ug/l		100
71) Bromoform	12.559	173	98549	53.237	ug/l	#	100
73) Isopropylbenzene	12.676	105	538245	53.964	ug/l		100
74) N-amyl acetate	12.494	43	180343m	46.310	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	191273	50.964	ug/l		100
76) 1,2,3-Trichloropropane	12.970	75	188824m	53.705	ug/l		
77) Bromobenzene	12.959	156	137669	53.221	ug/l		100
78) n-propylbenzene	13.017	91	680506	54.227	ug/l		100
79) 2-Chlorotoluene	13.106	91	401444	52.051	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	464063	54.607	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.717	75	63993	49.271	ug/l		100
82) 4-Chlorotoluene	13.200	91	419474	52.240	ug/l		100
83) tert-Butylbenzene	13.417	119	383986	54.099	ug/l		100
84) 1,2,4-Trimethylbenzene	13.464	105	475982	54.846	ug/l		100
85) sec-Butylbenzene	13.594	105	565038	52.851	ug/l		100
86) p-Isopropyltoluene	13.706	119	473942	55.316	ug/l		100
87) 1,3-Dichlorobenzene	13.711	146	262675	51.740	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	269881	49.773	ug/l		100
89) n-Butylbenzene	14.035	91	437514	53.478	ug/l		100
90) Hexachloroethane	14.311	117	91313	50.301	ug/l		100
91) 1,2-Dichlorobenzene	14.082	146	249988	51.977	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	47931	48.643	ug/l		100
93) 1,2,4-Trichlorobenzene	15.370	180	148472	52.553	ug/l		100
94) Hexachlorobutadiene	15.476	225	52130	49.659	ug/l		100
95) Naphthalene	15.617	128	545367	54.490	ug/l		100
96) 1,2,3-Trichlorobenzene	15.811	180	146080	51.547	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087331.D
Acq On : 16 Jul 2025 18:11
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:19:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

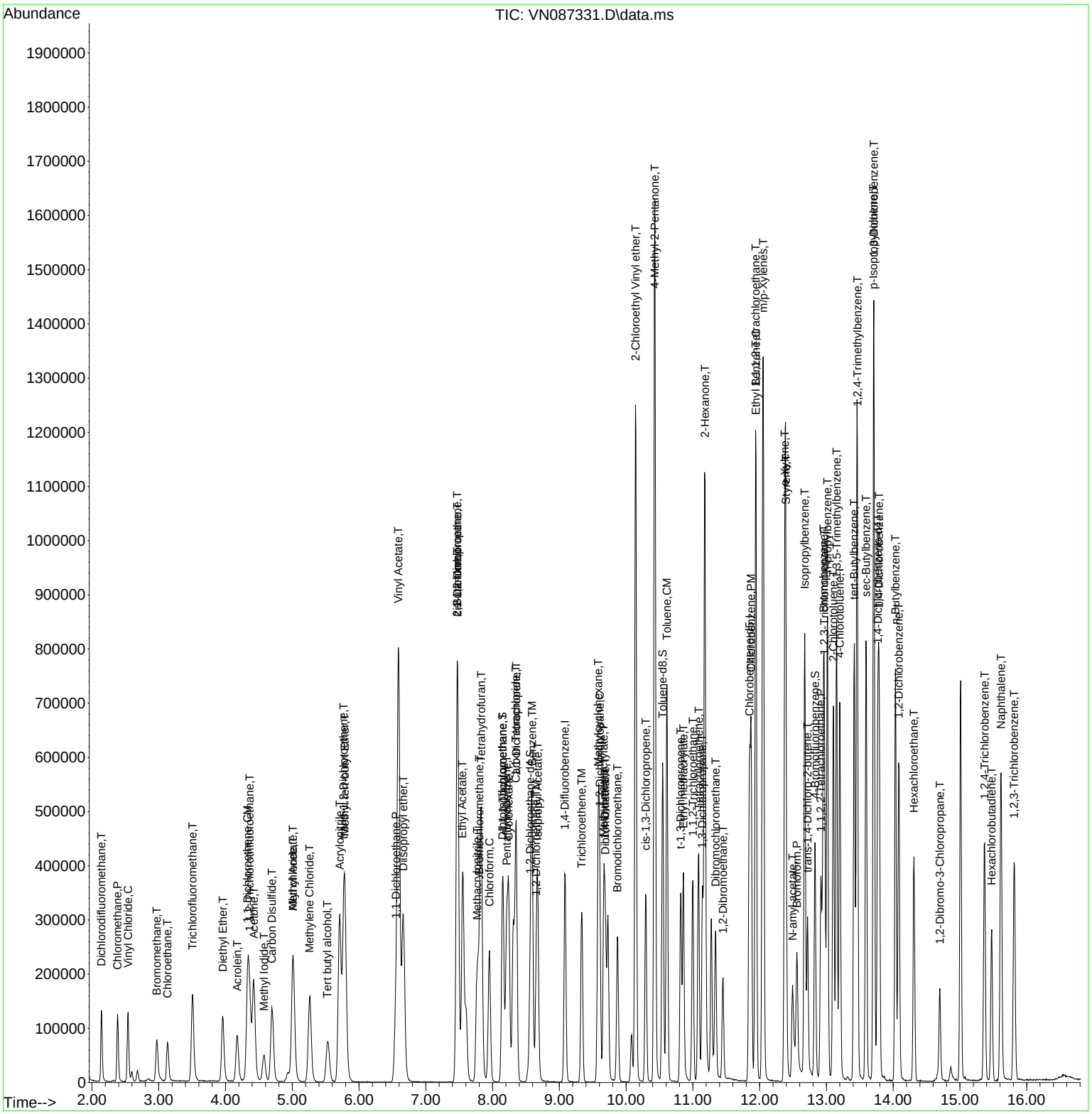
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087331.D
Acq On : 16 Jul 2025 18:11
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 17 02:19:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087332.D
Acq On : 16 Jul 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 02:20:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	192275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	339591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	314849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	168489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	314416	96.373	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 192.740%#			
35) Dibromofluoromethane	8.153	113	236468	100.947	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 201.900%#			
50) Toluene-d8	10.547	98	852301	101.999	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 204.000%#			
62) 4-Bromofluorobenzene	12.829	95	323070	104.650	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 209.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	233197	114.190	ug/l	92
3) Chloromethane	2.383	50	253369	98.660	ug/l	98
4) Vinyl Chloride	2.542	62	266221	104.312	ug/l	94
5) Bromomethane	2.959	94	136793	103.503	ug/l	96
6) Chloroethane	3.124	64	159422	95.783	ug/l	92
7) Trichlorofluoromethane	3.501	101	369032	97.786	ug/l	98
8) Diethyl Ether	3.959	74	142652	97.445	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	188841	97.477	ug/l	100
10) Methyl Iodide	4.571	142	213127	100.524	ug/l	99
11) Tert butyl alcohol	5.536	59	309615	499.800	ug/l	99
12) 1,1-Dichloroethene	4.336	96	197760	90.083	ug/l	95
13) Acrolein	4.177	56	250115	503.102	ug/l	99
14) Allyl chloride	5.006	41	382812	96.355	ug/l	100
15) Acrylonitrile	5.706	53	839080	499.150	ug/l	100
16) Acetone	4.424	43	693485	448.375	ug/l	96
17) Carbon Disulfide	4.695	76	631695	97.056	ug/l	95
18) Methyl Acetate	5.012	43	369894	96.247	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	818763	101.186	ug/l	98
20) Methylene Chloride	5.259	84	251830	98.001	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	237704	96.030	ug/l	94
22) Diisopropyl ether	6.659	45	832709	99.921	ug/l	96
23) Vinyl Acetate	6.594	43	3859420	529.516	ug/l	97
24) 1,1-Dichloroethane	6.553	63	455820	94.807	ug/l	100
25) 2-Butanone	7.471	43	1185700	501.667	ug/l	98
26) 2,2-Dichloropropane	7.477	77	358596	95.932	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	284578	99.858	ug/l	98
28) Bromochloromethane	7.800	49	229544	99.757	ug/l	100
29) Tetrahydrofuran	7.830	42	768521	500.532	ug/l	98
30) Chloroform	7.953	83	466838	97.008	ug/l	99
31) Cyclohexane	8.241	56	377159	94.035	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	403445	96.794	ug/l	97
36) 1,1-Dichloropropene	8.353	75	324047	104.705	ug/l	99
37) Ethyl Acetate	7.547	43	448428	100.326	ug/l	99
38) Carbon Tetrachloride	8.347	117	342043	100.328	ug/l	99
39) Methylcyclohexane	9.582	83	352211	105.118	ug/l	96
40) Benzene	8.588	78	1007257	100.700	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087332.D
Acq On : 16 Jul 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 02:20:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	239659	102.544	ug/l		99
42) 1,2-Dichloroethane	8.653	62	369731	97.472	ug/l		99
43) Isopropyl Acetate	8.677	43	704936	101.598	ug/l		99
44) Trichloroethene	9.335	130	230373	97.472	ug/l		93
45) 1,2-Dichloropropane	9.606	63	255369	100.478	ug/l		96
46) Dibromomethane	9.694	93	185908	97.696	ug/l		98
47) Bromodichloromethane	9.871	83	375910	98.072	ug/l		97
48) Methyl methacrylate	9.665	41	334941	107.228	ug/l		97
49) 1,4-Dioxane	9.688	88	102159	2135.348	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.429	43	2234274	509.127	ug/l		100
52) Toluene	10.612	92	622259	102.349	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	412142	106.245	ug/l		100
54) cis-1,3-Dichloropropene	10.294	75	421386	105.164	ug/l		98
55) 1,1,2-Trichloroethane	11.000	97	242683	98.595	ug/l		97
56) Ethyl methacrylate	10.859	69	425458	98.980	ug/l		98
57) 1,3-Dichloropropane	11.147	76	431753	101.453	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	1052628	521.327	ug/l		99
59) 2-Hexanone	11.176	43	1631949	560.508	ug/l		99
60) Dibromochloromethane	11.341	129	287682	102.484	ug/l		99
61) 1,2-Dibromoethane	11.453	107	258936	100.051	ug/l		98
64) Tetrachloroethene	11.082	164	195044	96.252	ug/l		97
65) Chlorobenzene	11.871	112	687696	97.289	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.941	131	239722	99.736	ug/l		99
67) Ethyl Benzene	11.947	91	1199510	103.080	ug/l		99
68) m/p-Xylenes	12.053	106	924069	212.065	ug/l		99
69) o-Xylene	12.376	106	447092	107.413	ug/l		100
70) Styrene	12.394	104	766471	109.464	ug/l		98
71) Bromoform	12.559	173	202915	104.498	ug/l	#	99
73) Isopropylbenzene	12.676	105	1112821	104.940	ug/l		100
74) N-amyl acetate	12.482	43	464246	112.129	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.918	83	389392	97.587	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	326434m	87.327	ug/l		
77) Bromobenzene	12.959	156	279589	101.662	ug/l		100
78) n-propylbenzene	13.018	91	1384517	103.771	ug/l		99
79) 2-Chlorotoluene	13.106	91	840073	102.452	ug/l		98
80) 1,3,5-Trimethylbenzene	13.153	105	943119	104.383	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	140673	101.874	ug/l		96
82) 4-Chlorotoluene	13.200	91	859965	100.734	ug/l		99
83) tert-Butylbenzene	13.418	119	800700	106.106	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	967878	104.898	ug/l		100
85) sec-Butylbenzene	13.594	105	1141320	100.410	ug/l		98
86) p-Isopropyltoluene	13.706	119	975014	107.037	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	535172	99.151	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	548212	95.097	ug/l		99
89) n-Butylbenzene	14.035	91	880763	101.260	ug/l		99
90) Hexachloroethane	14.312	117	185973	96.358	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	508902	99.523	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	97572	93.137	ug/l		94
93) 1,2,4-Trichlorobenzene	15.364	180	310448	103.357	ug/l		99
94) Hexachlorobutadiene	15.476	225	106429	95.360	ug/l		98
95) Naphthalene	15.611	128	1162930	109.289	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	308888	102.519	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087332.D
Acq On : 16 Jul 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:20:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

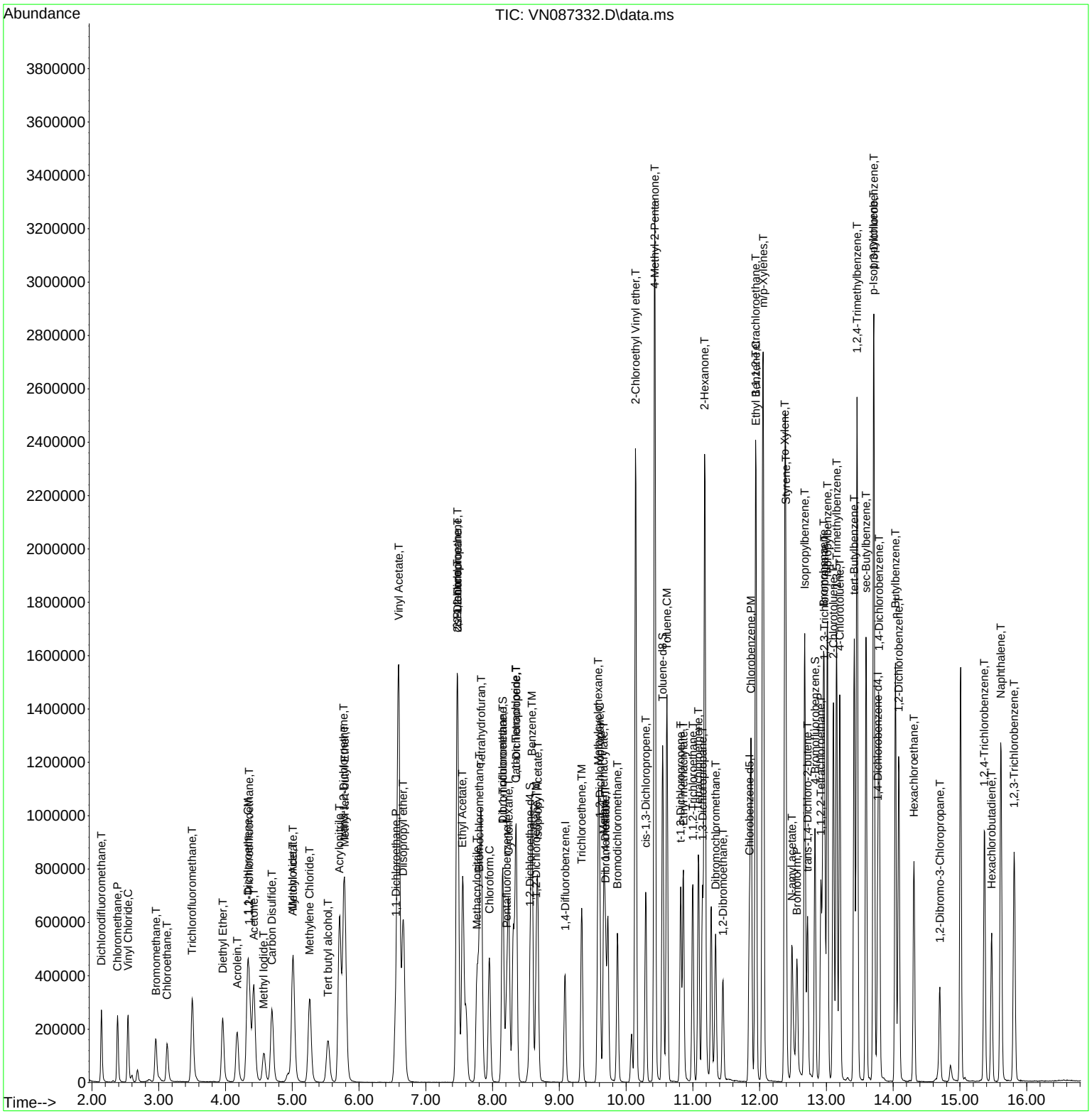
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087332.D
Acq On : 16 Jul 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 02:20:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087333.D
Acq On : 16 Jul 2025 18:54
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:21:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	193853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	344966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	317026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	165077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	501760	152.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 305.080%#			
35) Dibromofluoromethane	8.153	113	368306	154.778	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 309.560%#			
50) Toluene-d8	10.547	98	1362098	160.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 320.940%#			
62) 4-Bromofluorobenzene	12.829	95	522221	166.525	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 333.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	363327	176.463	ug/l	95
3) Chloromethane	2.383	50	405800	156.728	ug/l	99
4) Vinyl Chloride	2.542	62	418507	162.646	ug/l	94
5) Bromomethane	2.942	94	215335	161.604	ug/l	95
6) Chloroethane	3.118	64	249466	148.663	ug/l	100
7) Trichlorofluoromethane	3.501	101	585457	153.872	ug/l	97
8) Diethyl Ether	3.959	74	228544	154.847	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	296076	151.587	ug/l	99
10) Methyl Iodide	4.571	142	328079	150.516	ug/l	99
11) Tert butyl alcohol	5.536	59	478279	765.784	ug/l	100
12) 1,1-Dichloroethene	4.330	96	312325	141.111	ug/l	97
13) Acrolein	4.177	56	415488	828.945	ug/l	100
14) Allyl chloride	5.006	41	663403	165.621	ug/l	91
15) Acrylonitrile	5.706	53	1279363	754.869	ug/l	100
16) Acetone	4.424	43	1064061	682.373	ug/l	96
17) Carbon Disulfide	4.695	76	1011315	154.118	ug/l	95
18) Methyl Acetate	5.012	43	577536	149.052	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	1286728	157.724	ug/l	95
20) Methylene Chloride	5.259	84	390988	151.266	ug/l	94
21) trans-1,2-Dichloroethene	5.765	96	356549	142.870	ug/l	96
22) Diisopropyl ether	6.659	45	1280267	152.375	ug/l	99
23) Vinyl Acetate	6.589	43	5943020	808.750	ug/l	98
24) 1,1-Dichloroethane	6.553	63	704727	145.384	ug/l	98
25) 2-Butanone	7.477	43	1797146	754.179	ug/l	98
26) 2,2-Dichloropropane	7.477	77	547190	145.193	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	437021	152.102	ug/l	99
28) Bromochloromethane	7.800	49	339529	146.355	ug/l	100
29) Tetrahydrofuran	7.830	42	1166702	753.679	ug/l	98
30) Chloroform	7.953	83	717424	147.865	ug/l	98
31) Cyclohexane	8.241	56	582988	144.170	ug/l	94
32) 1,1,1-Trichloroethane	8.153	97	630986	150.152	ug/l	98
36) 1,1-Dichloropropene	8.353	75	503793	160.248	ug/l	99
37) Ethyl Acetate	7.553	43	692256	152.464	ug/l	98
38) Carbon Tetrachloride	8.347	117	535575	154.647	ug/l	98
39) Methylcyclohexane	9.583	83	559851	164.485	ug/l	98
40) Benzene	8.588	78	1550984	152.642	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087333.D
Acq On : 16 Jul 2025 18:54
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 02:21:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	375482	158.156	ug/l		99
42) 1,2-Dichloroethane	8.653	62	571634	148.352	ug/l		100
43) Isopropyl Acetate	8.677	43	1091736	154.893	ug/l		99
44) Trichloroethene	9.335	130	364760	151.927	ug/l		96
45) 1,2-Dichloropropane	9.606	63	391676	151.708	ug/l		97
46) Dibromomethane	9.694	93	287252	148.602	ug/l		98
47) Bromodichloromethane	9.871	83	584546	150.128	ug/l		99
48) Methyl methacrylate	9.665	41	520990	164.191	ug/l		99
49) 1,4-Dioxane	9.688	88	157400	3238.745	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.430	43	3375607	757.219	ug/l		99
52) Toluene	10.612	92	961314	155.654	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	640188	162.462	ug/l		94
54) cis-1,3-Dichloropropene	10.294	75	654301	160.747	ug/l		96
55) 1,1,2-Trichloroethane	11.000	97	365858	146.322	ug/l		99
56) Ethyl methacrylate	10.859	69	679202	150.296	ug/l		96
57) 1,3-Dichloropropane	11.147	76	662154	153.168	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	1717427	837.324	ug/l		100
59) 2-Hexanone	11.177	43	2477578	837.689	ug/l		98
60) Dibromochloromethane	11.341	129	448307	157.217	ug/l		99
61) 1,2-Dibromoethane	11.453	107	402978	153.282	ug/l		97
64) Tetrachloroethene	11.082	164	301404	147.718	ug/l		97
65) Chlorobenzene	11.871	112	1066757	149.878	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.941	131	375162	155.013	ug/l		98
67) Ethyl Benzene	11.941	91	1881920	160.613	ug/l		99
68) m/p-Xylenes	12.053	106	1437290	327.579	ug/l		98
69) o-Xylene	12.376	106	698363	166.628	ug/l		98
70) Styrene	12.394	104	1195068	169.502	ug/l		99
71) Bromoform	12.559	173	320960	164.154	ug/l	#	99
73) Isopropylbenzene	12.676	105	1747567	168.203	ug/l		100
74) N-amyl acetate	12.482	43	750104	184.917	ug/l		91
75) 1,1,2,2-Tetrachloroethane	12.918	83	581568	148.761	ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	504791m	137.832	ug/l		
77) Bromobenzene	12.959	156	433814	161.001	ug/l		99
78) n-propylbenzene	13.018	91	2127215	162.733	ug/l		100
79) 2-Chlorotoluene	13.106	91	1290205	160.600	ug/l		98
80) 1,3,5-Trimethylbenzene	13.153	105	1465159	165.514	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	224191	165.713	ug/l		95
82) 4-Chlorotoluene	13.200	91	1336462	159.785	ug/l		100
83) tert-Butylbenzene	13.418	119	1230683	166.457	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	1502651	166.222	ug/l		100
85) sec-Butylbenzene	13.594	105	1767949	158.754	ug/l		99
86) p-Isopropyltoluene	13.706	119	1501303	168.219	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	828885	156.742	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	830255	147.000	ug/l		99
89) n-Butylbenzene	14.035	91	1367813	160.505	ug/l		98
90) Hexachloroethane	14.312	117	292183	154.518	ug/l		97
91) 1,2-Dichlorobenzene	14.082	146	784106	156.513	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	151090	147.203	ug/l		93
93) 1,2,4-Trichlorobenzene	15.370	180	492237	167.266	ug/l		99
94) Hexachlorobutadiene	15.476	225	163922	149.909	ug/l		99
95) Naphthalene	15.612	128	1880423	180.370	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	491195	166.396	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087333.D
Acq On : 16 Jul 2025 18:54
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:21:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

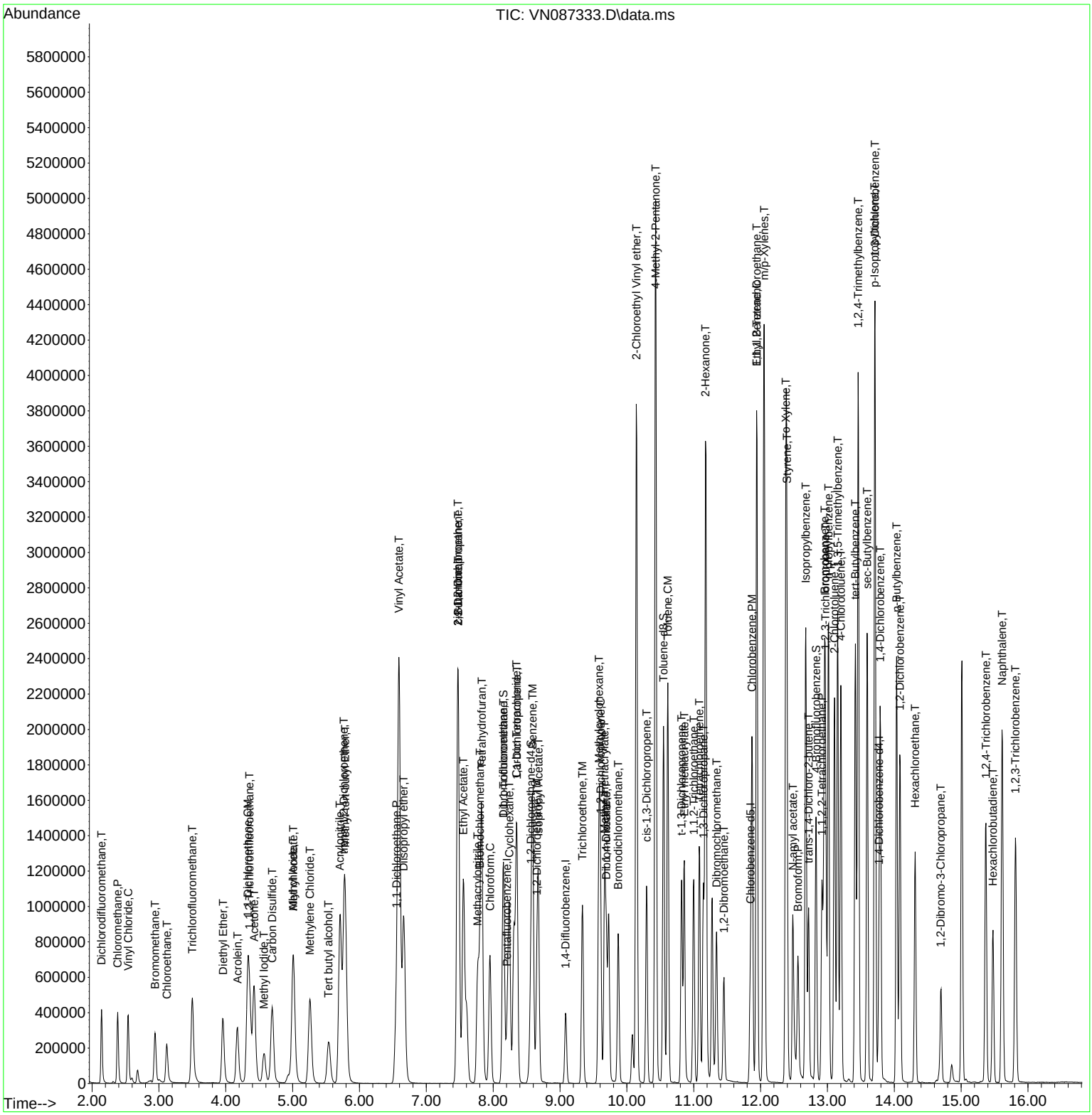
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087333.D
Acq On : 16 Jul 2025 18:54
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 02:21:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	198299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	343165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	319692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	166959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	162194	48.204	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.400%			
35) Dibromofluoromethane	8.153	113	118201	49.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.860%			
50) Toluene-d8	10.547	98	435474	51.573	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.140%			
62) 4-Bromofluorobenzene	12.829	95	165160	52.942	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	122218	58.029	ug/l	94
3) Chloromethane	2.383	50	135040	50.986	ug/l	99
4) Vinyl Chloride	2.542	62	141054	53.589	ug/l	93
5) Bromomethane	2.971	94	79496	58.322	ug/l	100
6) Chloroethane	3.130	64	84406	49.172	ug/l	97
7) Trichlorofluoromethane	3.506	101	192022	49.336	ug/l	93
8) Diethyl Ether	3.959	74	76789	50.861	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	98940	49.520	ug/l	99
10) Methyl Iodide	4.577	142	103627	50.369	ug/l	98
11) Tert butyl alcohol	5.530	59	167953	262.884	ug/l	99
12) 1,1-Dichloroethene	4.330	96	102861	45.432	ug/l	97
13) Acrolein	4.171	56	142098	277.145	ug/l	97
14) Allyl chloride	5.006	41	200790	49.004	ug/l	99
15) Acrylonitrile	5.706	53	437956	252.616	ug/l	99
16) Acetone	4.424	43	375335	237.913	ug/l	100
17) Carbon Disulfide	4.700	76	335264	49.947	ug/l	96
18) Methyl Acetate	5.018	43	194657	49.111	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	425099	50.939	ug/l	94
20) Methylene Chloride	5.265	84	131885	49.445	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	120707	47.283	ug/l	97
22) Diisopropyl ether	6.659	45	439978	51.191	ug/l	97
23) Vinyl Acetate	6.594	43	2052885	273.101	ug/l	98
24) 1,1-Dichloroethane	6.553	63	238854	48.170	ug/l	99
25) 2-Butanone	7.477	43	622581	255.411	ug/l	98
26) 2,2-Dichloropropane	7.477	77	176180	45.700	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	148552	50.543	ug/l	96
28) Bromochloromethane	7.800	49	116494	49.089	ug/l	98
29) Tetrahydrofuran	7.830	42	412353	260.404	ug/l	100
30) Chloroform	7.947	83	239752	48.306	ug/l	100
31) Cyclohexane	8.241	56	202863	49.042	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	212405	49.412	ug/l	99
36) 1,1-Dichloropropene	8.353	75	167912	53.690	ug/l	99
37) Ethyl Acetate	7.553	43	241759	53.525	ug/l	99
38) Carbon Tetrachloride	8.347	117	181974	52.821	ug/l	90
39) Methylcyclohexane	9.582	83	179820	53.109	ug/l	96
40) Benzene	8.588	78	529446	52.380	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	127286	53.895	ug/l		98
42) 1,2-Dichloroethane	8.653	62	194804	50.821	ug/l		98
43) Isopropyl Acetate	8.677	43	374957	53.477	ug/l		100
44) Trichloroethene	9.335	130	118775	49.731	ug/l		95
45) 1,2-Dichloropropane	9.606	63	135864	52.900	ug/l		99
46) Dibromomethane	9.688	93	98534	51.241	ug/l		98
47) Bromodichloromethane	9.871	83	200236	51.696	ug/l		97
48) Methyl methacrylate	9.665	41	177068	56.096	ug/l		99
49) 1,4-Dioxane	9.682	88	56917	1177.300	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.429	43	1192765	268.966	ug/l		99
52) Toluene	10.612	92	320922	52.236	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	214141	54.628	ug/l		97
54) cis-1,3-Dichloropropene	10.294	75	216023	53.351	ug/l		96
55) 1,1,2-Trichloroethane	11.000	97	124090	49.889	ug/l		97
56) Ethyl methacrylate	10.859	69	222410	53.042	ug/l		98
57) 1,3-Dichloropropane	11.147	76	224493	52.202	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	581689	285.088	ug/l		99
59) 2-Hexanone	11.176	43	849057	288.579	ug/l		100
60) Dibromochloromethane	11.341	129	149449	52.685	ug/l		100
61) 1,2-Dibromoethane	11.447	107	135330	51.746	ug/l		94
64) Tetrachloroethene	11.082	164	98391	47.819	ug/l		97
65) Chlorobenzene	11.870	112	347934	48.477	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.941	131	123321	50.530	ug/l		99
67) Ethyl Benzene	11.947	91	608779	51.523	ug/l		99
68) m/p-Xylenes	12.053	106	465762	105.269	ug/l		97
69) o-Xylene	12.376	106	224934	53.221	ug/l		99
70) Styrene	12.394	104	387319	54.477	ug/l		98
71) Bromoform	12.559	173	102502	51.987	ug/l	#	99
73) Isopropylbenzene	12.676	105	573938	54.619	ug/l		100
74) N-amyl acetate	12.494	43	218170m	49.972	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	203947	51.580	ug/l		98
76) 1,2,3-Trichloropropane	12.976	75	175797m	46.955	ug/l		
77) Bromobenzene	12.959	156	142714	52.368	ug/l		99
78) n-propylbenzene	13.012	91	709437	53.661	ug/l		99
79) 2-Chlorotoluene	13.106	91	426373	52.475	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	484100	54.071	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.717	75	69894	51.080	ug/l		97
82) 4-Chlorotoluene	13.200	91	443817	52.464	ug/l		99
83) tert-Butylbenzene	13.417	119	413882	55.349	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	500792	54.773	ug/l		99
85) sec-Butylbenzene	13.594	105	594712	52.800	ug/l		98
86) p-Isopropyltoluene	13.706	119	496291	54.982	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	277102	51.809	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	282084	49.381	ug/l		99
89) n-Butylbenzene	14.035	91	458964	53.250	ug/l		99
90) Hexachloroethane	14.312	117	93464	48.870	ug/l		95
91) 1,2-Dichlorobenzene	14.088	146	260874	51.485	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	50904	49.035	ug/l		97
93) 1,2,4-Trichlorobenzene	15.370	180	155818	52.351	ug/l		99
94) Hexachlorobutadiene	15.476	225	55599	50.273	ug/l		98
95) Naphthalene	15.617	128	586097	55.585	ug/l		98
96) 1,2,3-Trichlorobenzene	15.811	180	157909	52.890	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

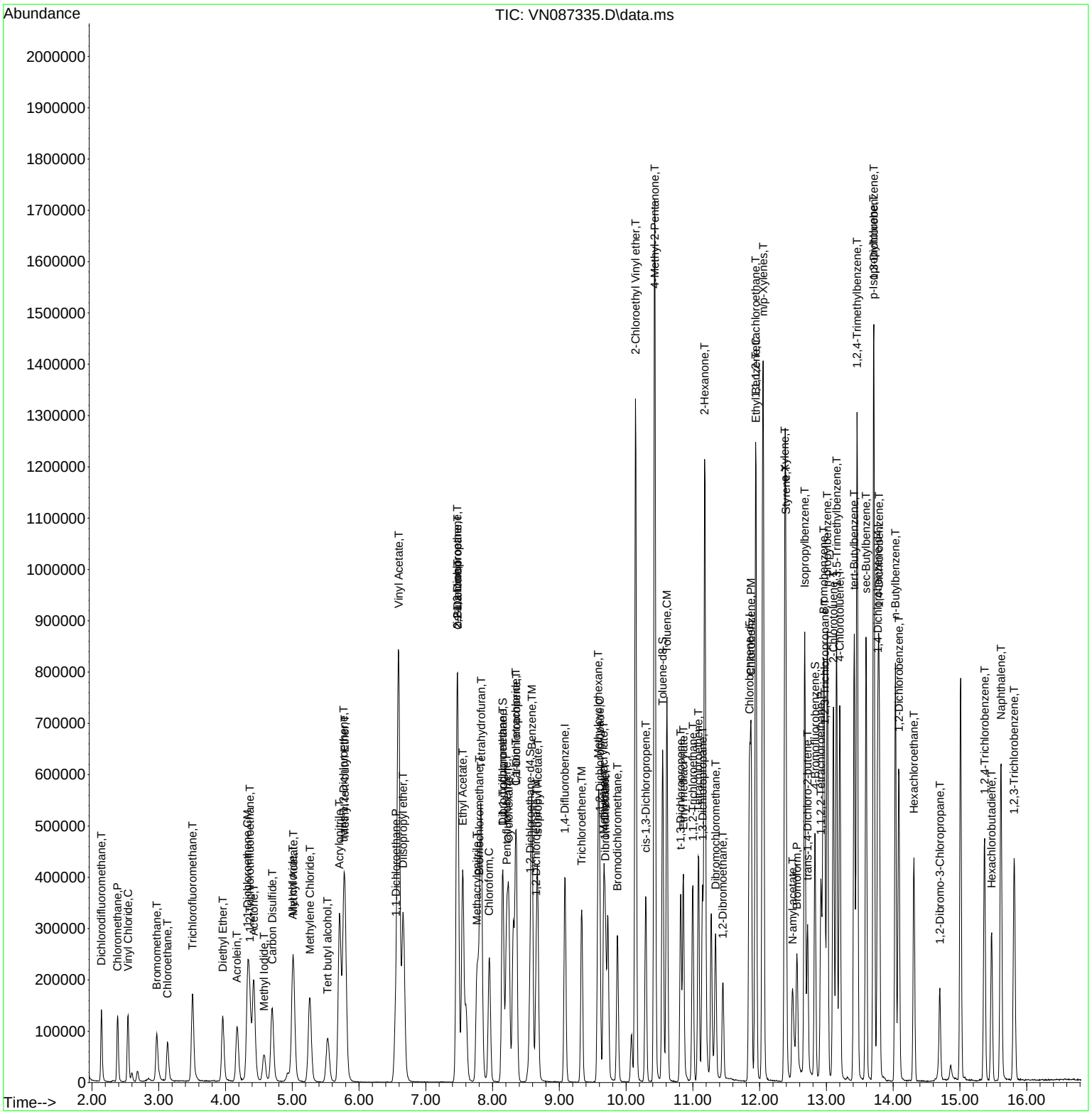
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	108	0.00
2	T	Dichlorodifluoromethane	0.531	0.616	-16.0	107	0.00
3	P	Chloromethane	0.668	0.681	-1.9	107	0.00
4	C	Vinyl Chloride	0.664	0.711	-7.1#	106	0.00
5	T	Bromomethane	0.344	0.401	-16.6	122	0.00
6	T	Chloroethane	0.433	0.426	1.6	105	0.00
7	T	Trichlorofluoromethane	0.981	0.968	1.3	103	0.00
8	T	Diethyl Ether	0.381	0.387	-1.6	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.504	0.499	1.0	103	0.00
10	T	Methyl Iodide	0.452	0.523	-15.7	115	0.00
11	T	Tert butyl alcohol	0.161	0.169	-5.0	114	0.00
12	CM	1,1-Dichloroethene	0.571	0.519	9.1#	103	0.00
13	T	Acrolein	0.129	0.143	-10.9	128	0.00
14	T	Allyl chloride	1.033	1.013	1.9	110	0.00
15	T	Acrylonitrile	0.437	0.442	-1.1	106	0.00
16	T	Acetone	0.398	0.379	4.8	106	0.00
17	T	Carbon Disulfide	1.693	1.691	0.1	106	0.00
18	T	Methyl Acetate	0.999	0.982	1.7	107	0.00
19	T	Methyl tert-butyl Ether	2.104	2.144	-1.9	107	0.00
20	T	Methylene Chloride	0.766	0.665	13.2	107	0.00
21	T	trans-1,2-Dichloroethene	0.644	0.609	5.4	101	0.00
22	T	Diisopropyl ether	2.167	2.219	-2.4	105	0.00
23	T	Vinyl Acetate	1.895	2.070	-9.2	106	0.00
24	P	1,1-Dichloroethane	1.250	1.205	3.6	107	0.00
25	T	2-Butanone	0.615	0.628	-2.1	106	0.00
26	T	2,2-Dichloropropane	0.972	0.888	8.6	98	0.00
27	T	cis-1,2-Dichloroethene	0.741	0.749	-1.1	106	0.00
28	T	Bromochloromethane	0.598	0.587	1.8	107	0.00
29	T	Tetrahydrofuran	0.399	0.416	-4.3	106	0.00
30	C	Chloroform	1.251	1.209	3.4#	103	0.00
31	T	Cyclohexane	1.043	1.023	1.9	106	0.00
32	T	1,1,1-Trichloroethane	1.084	1.071	1.2	107	0.00
33	S	1,2-Dichloroethane-d4	0.848	0.818	3.5	111	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.345	0.344	0.3	109	0.00
36	T	1,1-Dichloropropene	0.456	0.489	-7.2	106	0.00
37	T	Ethyl Acetate	0.658	0.704	-7.0	105	0.00
38	T	Carbon Tetrachloride	0.502	0.530	-5.6	108	0.00
39	T	Methylcyclohexane	0.493	0.524	-6.3	104	0.00
40	TM	Benzene	1.473	1.543	-4.8	105	0.00
41	T	Methacrylonitrile	0.344	0.371	-7.8	106	0.00
42	TM	1,2-Dichloroethane	0.558	0.568	-1.8	105	0.00
43	T	Isopropyl Acetate	1.022	1.093	-6.9	108	0.00
44	TM	Trichloroethene	0.348	0.346	0.6	102	0.00
45	C	1,2-Dichloropropane	0.374	0.396	-5.9#	106	0.00
46	T	Dibromomethane	0.280	0.287	-2.5	105	0.00
47	T	Bromodichloromethane	0.564	0.583	-3.4	108	0.00
48	T	Methyl methacrylate	0.460	0.516	-12.2	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.008	-14.3	109	0.00
50	S	Toluene-d8	1.230	1.269	-3.2	109	0.00
51	T	4-Methyl-2-Pentanone	0.646	0.695	-7.6	106	0.00
52	CM	Toluene	0.895	0.935	-4.5#	102	0.00
53	T	t-1,3-Dichloropropene	0.571	0.624	-9.3	106	0.00
54	T	cis-1,3-Dichloropropene	0.590	0.630	-6.8	105	0.00
55	T	1,1,2-Trichloroethane	0.362	0.362	0.0	104	0.00
56	T	Ethyl methacrylate	0.552	0.648	-17.4	109	0.00
57	T	1,3-Dichloropropane	0.627	0.654	-4.3	105	0.00
58	T	2-Chloroethyl Vinyl ether	0.297	0.339	-14.1	103	0.00
59	T	2-Hexanone	0.429	0.495	-15.4	105	0.00
60	T	Dibromochloromethane	0.413	0.436	-5.6	107	0.00
61	T	1,2-Dibromoethane	0.381	0.394	-3.4	108	0.00
62	S	4-Bromofluorobenzene	0.455	0.481	-5.7	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.322	0.308	4.3	102	0.00
65	PM	Chlorobenzene	1.123	1.088	3.1	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.386	-1.0	105	0.00
67	C	Ethyl Benzene	1.848	1.904	-3.0#	104	0.00
68	T	m/p-Xylenes	0.692	0.728	-5.2	102	0.00
69	T	o-Xylene	0.661	0.704	-6.5	104	0.00
70	T	Styrene	1.112	1.212	-9.0	103	0.00
71	P	Bromoform	0.308	0.321	-4.2	104	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.147	3.438	-9.2	107	0.00
74	T	N-amyl acetate	1.307	1.307	0.0	121	0.00
75	P	1,1,2,2-Tetrachloroethane	1.184	1.222	-3.2	107	0.00
76	T	1,2,3-Trichloropropane	1.121	1.053	6.1	93	0.00
77	T	Bromobenzene	0.816	0.855	-4.8	104	0.00
78	T	n-propylbenzene	3.959	4.249	-7.3	104	0.00
79	T	2-Chlorotoluene	2.433	2.554	-5.0	106	0.00
80	T	1,3,5-Trimethylbenzene	2.681	2.900	-8.2	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.410	0.419	-2.2	109	0.00
82	T	4-Chlorotoluene	2.533	2.658	-4.9	106	0.00
83	T	tert-Butylbenzene	2.239	2.479	-10.7	108	0.00
84	T	1,2,4-Trimethylbenzene	2.738	2.999	-9.5	105	0.00
85	T	sec-Butylbenzene	3.373	3.562	-5.6	105	0.00
86	T	p-Isopropyltoluene	2.703	2.973	-10.0	105	0.00
87	T	1,3-Dichlorobenzene	1.602	1.660	-3.6	105	0.00
88	T	1,4-Dichlorobenzene	1.711	1.690	1.2	105	0.00
89	T	n-Butylbenzene	2.581	2.749	-6.5	105	0.00
90	T	Hexachloroethane	0.573	0.560	2.3	102	0.00
91	T	1,2-Dichlorobenzene	1.517	1.563	-3.0	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.311	0.305	1.9	106	0.00
93	T	1,2,4-Trichlorobenzene	0.891	0.933	-4.7	105	0.00
94	T	Hexachlorobutadiene	0.331	0.333	-0.6	107	0.00
95	T	Naphthalene	3.158	3.510	-11.1	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.894	0.946	-5.8	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	108	0.00
2	T	Dichlorodifluoromethane	50.000	58.029	-16.1	107	0.00
3	P	Chloromethane	50.000	50.986	-2.0	107	0.00
4	C	Vinyl Chloride	50.000	53.589	-7.2#	106	0.00
5	T	Bromomethane	50.000	58.322	-16.6	122	0.00
6	T	Chloroethane	50.000	49.172	1.7	105	0.00
7	T	Trichlorofluoromethane	50.000	49.336	1.3	103	0.00
8	T	Diethyl Ether	50.000	50.861	-1.7	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.520	1.0	103	0.00
10	T	Methyl Iodide	50.000	50.369	-0.7	115	0.00
11	T	Tert butyl alcohol	250.000	262.884	-5.2	114	0.00
12	CM	1,1-Dichloroethene	50.000	45.432	9.1#	103	0.00
13	T	Acrolein	250.000	277.145	-10.9	128	0.00
14	T	Allyl chloride	50.000	49.004	2.0	110	0.00
15	T	Acrylonitrile	250.000	252.616	-1.0	106	0.00
16	T	Acetone	250.000	237.913	4.8	106	0.00
17	T	Carbon Disulfide	50.000	49.947	0.1	106	0.00
18	T	Methyl Acetate	50.000	49.111	1.8	107	0.00
19	T	Methyl tert-butyl Ether	50.000	50.939	-1.9	107	0.00
20	T	Methylene Chloride	50.000	49.445	1.1	107	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.283	5.4	101	0.00
22	T	Diisopropyl ether	50.000	51.191	-2.4	105	0.00
23	T	Vinyl Acetate	250.000	273.101	-9.2	106	0.00
24	P	1,1-Dichloroethane	50.000	48.170	3.7	107	0.00
25	T	2-Butanone	250.000	255.411	-2.2	106	0.00
26	T	2,2-Dichloropropane	50.000	45.700	8.6	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.543	-1.1	106	0.00
28	T	Bromochloromethane	50.000	49.089	1.8	107	0.00
29	T	Tetrahydrofuran	250.000	260.404	-4.2	106	0.00
30	C	Chloroform	50.000	48.306	3.4#	103	0.00
31	T	Cyclohexane	50.000	49.042	1.9	106	0.00
32	T	1,1,1-Trichloroethane	50.000	49.412	1.2	107	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.204	3.6	111	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	49.934	0.1	109	0.00
36	T	1,1-Dichloropropene	50.000	53.690	-7.4	106	0.00
37	T	Ethyl Acetate	50.000	53.525	-7.0	105	0.00
38	T	Carbon Tetrachloride	50.000	52.821	-5.6	108	0.00
39	T	Methylcyclohexane	50.000	53.109	-6.2	104	0.00
40	TM	Benzene	50.000	52.380	-4.8	105	0.00
41	T	Methacrylonitrile	50.000	53.895	-7.8	106	0.00
42	TM	1,2-Dichloroethane	50.000	50.821	-1.6	105	0.00
43	T	Isopropyl Acetate	50.000	53.477	-7.0	108	0.00
44	TM	Trichloroethene	50.000	49.731	0.5	102	0.00
45	C	1,2-Dichloropropane	50.000	52.900	-5.8#	106	0.00
46	T	Dibromomethane	50.000	51.241	-2.5	105	0.00
47	T	Bromodichloromethane	50.000	51.696	-3.4	108	0.00
48	T	Methyl methacrylate	50.000	56.096	-12.2	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1177.300	-17.7	109	0.00
50	S	Toluene-d8	50.000	51.573	-3.1	109	0.00
51	T	4-Methyl-2-Pentanone	250.000	268.966	-7.6	106	0.00
52	CM	Toluene	50.000	52.236	-4.5#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	54.628	-9.3	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.351	-6.7	105	0.00
55	T	1,1,2-Trichloroethane	50.000	49.889	0.2	104	0.00
56	T	Ethyl methacrylate	50.000	53.042	-6.1	109	0.00
57	T	1,3-Dichloropropane	50.000	52.202	-4.4	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	285.088	-14.0	103	0.00
59	T	2-Hexanone	250.000	288.579	-15.4	105	0.00
60	T	Dibromochloromethane	50.000	52.685	-5.4	107	0.00
61	T	1,2-Dibromoethane	50.000	51.746	-3.5	108	0.00
62	S	4-Bromofluorobenzene	50.000	52.942	-5.9	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	47.819	4.4	102	0.00
65	PM	Chlorobenzene	50.000	48.477	3.0	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.530	-1.1	105	0.00
67	C	Ethyl Benzene	50.000	51.523	-3.0#	104	0.00
68	T	m/p-Xylenes	100.000	105.269	-5.3	102	0.00
69	T	o-Xylene	50.000	53.221	-6.4	104	0.00
70	T	Styrene	50.000	54.477	-9.0	103	0.00
71	P	Bromoform	50.000	51.987	-4.0	104	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	54.619	-9.2	107	0.00
74	T	N-amyl acetate	50.000	49.972	0.1	121	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.580	-3.2	107	0.00
76	T	1,2,3-Trichloropropane	50.000	46.955	6.1	93	0.00
77	T	Bromobenzene	50.000	52.368	-4.7	104	0.00
78	T	n-propylbenzene	50.000	53.661	-7.3	104	0.00
79	T	2-Chlorotoluene	50.000	52.475	-5.0	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.071	-8.1	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.080	-2.2	109	0.00
82	T	4-Chlorotoluene	50.000	52.464	-4.9	106	0.00
83	T	tert-Butylbenzene	50.000	55.349	-10.7	108	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.773	-9.5	105	0.00
85	T	sec-Butylbenzene	50.000	52.800	-5.6	105	0.00
86	T	p-Isopropyltoluene	50.000	54.982	-10.0	105	0.00
87	T	1,3-Dichlorobenzene	50.000	51.809	-3.6	105	0.00
88	T	1,4-Dichlorobenzene	50.000	49.381	1.2	105	0.00
89	T	n-Butylbenzene	50.000	53.250	-6.5	105	0.00
90	T	Hexachloroethane	50.000	48.870	2.3	102	0.00
91	T	1,2-Dichlorobenzene	50.000	51.485	-3.0	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.035	1.9	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.351	-4.7	105	0.00
94	T	Hexachlorobutadiene	50.000	50.273	-0.5	107	0.00
95	T	Naphthalene	50.000	55.585	-11.2	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.890	-5.8	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN087525.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG No.: Q2732

Instrument ID: MSVOA_N Calibration Date/Time: 08/13/2025 10:57

Lab File ID: VN087525.D Init. Calib. Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:05 18:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.717		7.98	20
1,1-Dichloroethene	0.571	0.567		-0.7	20
2-Butanone	0.615	0.665		8.13	20
Carbon Tetrachloride	0.502	0.519		3.39	20
Chloroform	1.251	1.367		9.27	20
Benzene	1.473	1.499		1.76	20
1,2-Dichloroethane	0.558	0.597		6.99	20
Trichloroethene	0.348	0.342		-1.72	20
Tetrachloroethene	0.322	0.306		-4.97	20
Chlorobenzene	1.123	1.142	0.3	1.69	20
1,2-Dichloroethane-d4	0.848	0.898		5.9	20
Dibromofluoromethane	0.345	0.337		-2.32	20
Toluene-d8	1.230	1.204		-2.11	20
4-Bromofluorobenzene	0.455	0.470		3.3	20

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

Sample Results: **VN087525.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087525.D
Acq On : 13 Aug 2025 10:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 03:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	297883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	560249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	506486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	261423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	267380	52.900	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.800%			
35) Dibromofluoromethane	8.147	113	189080	48.926	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.860%			
50) Toluene-d8	10.547	98	674538	48.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.860%			
62) 4-Bromofluorobenzene	12.829	95	263490	51.735	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	195888	61.914	ug/l	97
3) Chloromethane	2.383	50	185962	46.740	ug/l	98
4) Vinyl Chloride	2.542	62	213602	54.022	ug/l	92
5) Bromomethane	2.971	94	117088	57.184	ug/l	92
6) Chloroethane	3.136	64	139750	54.196	ug/l	98
7) Trichlorofluoromethane	3.506	101	314439	53.781	ug/l	96
8) Diethyl Ether	3.965	74	136962	60.389	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	173237	57.720	ug/l	98
10) Methyl Iodide	4.583	142	122401	40.808	ug/l	92
11) Tert butyl alcohol	5.524	59	274825	286.357	ug/l	99
12) 1,1-Dichloroethene	4.330	96	168930	49.669	ug/l	99
13) Acrolein	4.183	56	215817	280.207	ug/l	98
14) Allyl chloride	5.012	41	324998	52.801	ug/l	93
15) Acrylonitrile	5.706	53	673928	258.773	ug/l	97
16) Acetone	4.424	43	657929	277.621	ug/l	99
17) Carbon Disulfide	4.700	76	479745	47.578	ug/l	97
18) Methyl Acetate	5.018	43	349876	58.763	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	738183	58.885	ug/l	97
20) Methylene Chloride	5.265	84	207585	51.839	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	190605	49.703	ug/l	92
22) Diisopropyl ether	6.659	45	754528	58.441	ug/l	96
23) Vinyl Acetate	6.588	43	3464754	306.836	ug/l	100
24) 1,1-Dichloroethane	6.553	63	384250	51.586	ug/l	99
25) 2-Butanone	7.471	43	990545	270.516	ug/l	99
26) 2,2-Dichloropropane	7.477	77	347122	59.940	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	237567	53.808	ug/l	94
28) Bromochloromethane	7.800	49	188052	52.751	ug/l	94
29) Tetrahydrofuran	7.830	42	650285	273.374	ug/l	99
30) Chloroform	7.953	83	407119	54.606	ug/l	99
31) Cyclohexane	8.241	56	338060	54.405	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	350752	54.317	ug/l	98
36) 1,1-Dichloropropene	8.353	75	269096	52.704	ug/l	98
37) Ethyl Acetate	7.553	43	382507	51.872	ug/l	97
38) Carbon Tetrachloride	8.347	117	290669	51.679	ug/l	93
39) Methylcyclohexane	9.582	83	330567	59.801	ug/l	97
40) Benzene	8.588	78	839732	50.887	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087525.D
Acq On : 13 Aug 2025 10:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 03:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	217375	56.377	ug/l		98
42) 1,2-Dichloroethane	8.653	62	334446	53.444	ug/l		97
43) Isopropyl Acetate	8.677	43	642790	56.154	ug/l		98
44) Trichloroethene	9.335	130	191822	49.195	ug/l		88
45) 1,2-Dichloropropane	9.606	63	215179	51.319	ug/l		95
46) Dibromomethane	9.694	93	163459	52.067	ug/l		96
47) Bromodichloromethane	9.871	83	337184	53.322	ug/l		100
48) Methyl methacrylate	9.665	41	313471	60.829	ug/l		92
49) 1,4-Dioxane	9.682	88	86769	1099.339	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.429	43	1970484	272.168	ug/l		98
52) Toluene	10.612	92	523201	52.162	ug/l		95
53) t-1,3-Dichloropropene	10.818	75	363863	56.856	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	368848	55.797	ug/l	#	89
55) 1,1,2-Trichloroethane	11.000	97	212009	52.209	ug/l		95
56) Ethyl methacrylate	10.859	69	371269	54.181	ug/l	#	93
57) 1,3-Dichloropropane	11.147	76	369791	52.670	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	1026550	308.170	ug/l		99
59) 2-Hexanone	11.176	43	1351630	281.390	ug/l		98
60) Dibromochloromethane	11.341	129	246950	53.325	ug/l		97
61) 1,2-Dibromoethane	11.453	107	225893	52.906	ug/l		97
64) Tetrachloroethene	11.082	164	155159	47.598	ug/l		95
65) Chlorobenzene	11.870	112	578310	50.858	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.941	131	201612	52.143	ug/l		98
67) Ethyl Benzene	11.947	91	1026282	54.824	ug/l		99
68) m/p-Xylenes	12.053	106	764924	109.123	ug/l		93
69) o-Xylene	12.376	106	372969	55.701	ug/l		93
70) Styrene	12.394	104	647435	57.479	ug/l		98
71) Bromoform	12.559	173	161255	51.623	ug/l	#	100
73) Isopropylbenzene	12.676	105	976275	59.336	ug/l		98
74) N-amyl acetate	12.506	43	317125	46.390	ug/l	#	81
75) 1,1,2,2-Tetrachloroethane	12.917	83	337465	54.508	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	286863m	48.934	ug/l		
77) Bromobenzene	12.959	156	227618	53.342	ug/l		94
78) n-propylbenzene	13.017	91	1231036	59.467	ug/l		97
79) 2-Chlorotoluene	13.106	91	725577	57.031	ug/l		95
80) 1,3,5-Trimethylbenzene	13.153	105	838061	59.782	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.717	75	110240	51.454	ug/l		91
82) 4-Chlorotoluene	13.200	91	748122	56.480	ug/l		97
83) tert-Butylbenzene	13.417	119	715212	61.085	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	860772	60.126	ug/l		94
85) sec-Butylbenzene	13.594	105	1066866	60.493	ug/l		99
86) p-Isopropyltoluene	13.706	119	877004	62.051	ug/l		97
87) 1,3-Dichlorobenzene	13.711	146	440423	52.590	ug/l		99
88) 1,4-Dichlorobenzene	13.794	146	445992	49.863	ug/l		96
89) n-Butylbenzene	14.035	91	885464	65.611	ug/l		99
90) Hexachloroethane	14.311	117	167399	55.901	ug/l		94
91) 1,2-Dichlorobenzene	14.088	146	429970	54.195	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	81622	50.215	ug/l		99
93) 1,2,4-Trichlorobenzene	15.370	180	261731	56.161	ug/l		98
94) Hexachlorobutadiene	15.476	225	99026	57.185	ug/l		99
95) Naphthalene	15.617	128	964411	58.414	ug/l		100
96) 1,2,3-Trichlorobenzene	15.817	180	245014	52.411	ug/l		96

Sample Results: **VN087525.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087525.D
Acq On : 13 Aug 2025 10:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 03:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

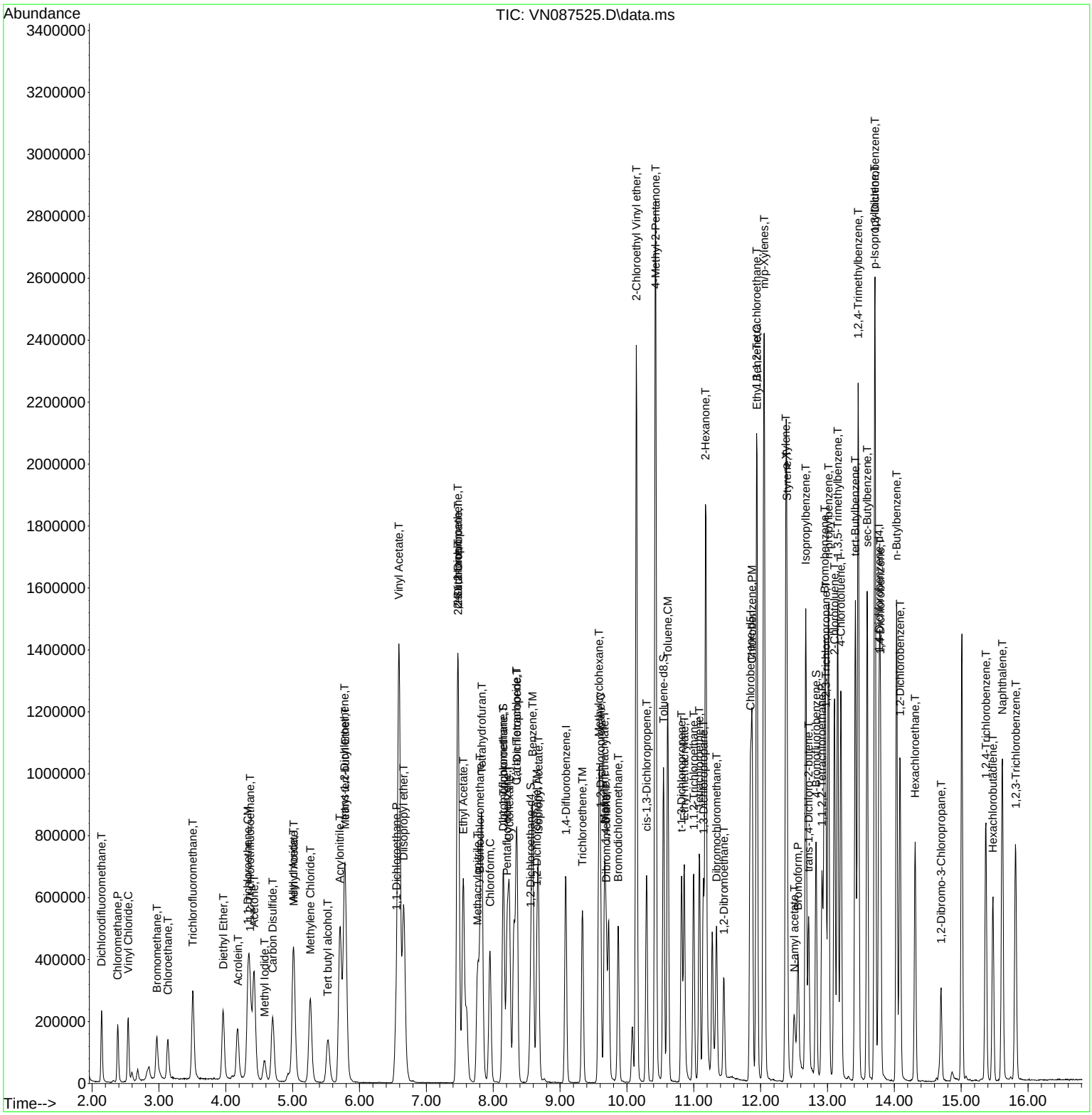
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087525.D
Acq On : 13 Aug 2025 10:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 03:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Sample Results: **VN087525.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087525.D
Acq On : 13 Aug 2025 10:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 03:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	163#	0.00
2	T	Dichlorodifluoromethane	0.531	0.658	-23.9	172#	0.00
3	P	Chloromethane	0.668	0.624	6.6	148	0.00
4	C	Vinyl Chloride	0.664	0.717	-8.0#	161#	0.00
5	T	Bromomethane	0.344	0.393	-14.2	180#	0.00
6	T	Chloroethane	0.433	0.469	-8.3	173#	0.00
7	T	Trichlorofluoromethane	0.981	1.056	-7.6	168#	0.00
8	T	Diethyl Ether	0.381	0.460	-20.7	190#	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.504	0.582	-15.5	181#	0.00
10	T	Methyl Iodide	0.452	0.411	9.1	136	0.00
11	T	Tert butyl alcohol	0.161	0.185	-14.9	187#	0.00
12	CM	1,1-Dichloroethene	0.571	0.567	0.7#	170#	0.00
13	T	Acrolein	0.129	0.145	-12.4	195#	0.00
14	T	Allyl chloride	1.033	1.091	-5.6	178#	0.00
15	T	Acrylonitrile	0.437	0.452	-3.4	163#	0.00
16	T	Acetone	0.398	0.442	-11.1	186#	0.00
17	T	Carbon Disulfide	1.693	1.611	4.8	151#	0.00
18	T	Methyl Acetate	0.999	1.175	-17.6	193#	0.00
19	T	Methyl tert-butyl Ether	2.104	2.478	-17.8	186#	0.00
20	T	Methylene Chloride	0.766	0.697	9.0	169#	0.00
21	T	trans-1,2-Dichloroethene	0.644	0.640	0.6	160#	0.00
22	T	Diisopropyl ether	2.167	2.533	-16.9	181#	0.00
23	T	Vinyl Acetate	1.895	2.326	-22.7	179#	0.00
24	P	1,1-Dichloroethane	1.250	1.290	-3.2	172#	0.00
25	T	2-Butanone	0.615	0.665	-8.1	168#	0.00
26	T	2,2-Dichloropropane	0.972	1.165	-19.9	193#	0.00
27	T	cis-1,2-Dichloroethene	0.741	0.798	-7.7	169#	0.00
28	T	Bromochloromethane	0.598	0.631	-5.5	173#	0.00
29	T	Tetrahydrofuran	0.399	0.437	-9.5	167#	0.00
30	C	Chloroform	1.251	1.367	-9.3#	174#	0.00
31	T	Cyclohexane	1.043	1.135	-8.8	177#	0.00
32	T	1,1,1-Trichloroethane	1.084	1.177	-8.6	177#	0.00
33	S	1,2-Dichloroethane-d4	0.848	0.898	-5.9	182#	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	172#	0.00
35	S	Dibromofluoromethane	0.345	0.337	2.3	175#	0.00
36	T	1,1-Dichloropropene	0.456	0.480	-5.3	170#	0.00
37	T	Ethyl Acetate	0.658	0.683	-3.8	166#	0.00
38	T	Carbon Tetrachloride	0.502	0.519	-3.4	173#	0.00
39	T	Methylcyclohexane	0.493	0.590	-19.7	192#	0.00
40	TM	Benzene	1.473	1.499	-1.8	166#	0.00
41	T	Methacrylonitrile	0.344	0.388	-12.8	181#	0.00
42	TM	1,2-Dichloroethane	0.558	0.597	-7.0	181#	0.00
43	T	Isopropyl Acetate	1.022	1.147	-12.2	184#	0.00
44	TM	Trichloroethene	0.348	0.342	1.7	165#	0.00
45	C	1,2-Dichloropropane	0.374	0.384	-2.7#	167#	0.00
46	T	Dibromomethane	0.280	0.292	-4.3	174#	0.00
47	T	Bromodichloromethane	0.564	0.602	-6.7	182#	0.00
48	T	Methyl methacrylate	0.460	0.560	-21.7	191#	0.00

Sample Results: **VN087525.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087525.D
Acq On : 13 Aug 2025 10:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 03:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.008	-14.3	167#	0.00
50	S	Toluene-d8	1.230	1.204	2.1	169#	0.00
51	T	4-Methyl-2-Pentanone	0.646	0.703	-8.8	175#	0.00
52	CM	Toluene	0.895	0.934	-4.4#	167#	0.00
53	T	t-1,3-Dichloropropene	0.571	0.649	-13.7	180#	0.00
54	T	cis-1,3-Dichloropropene	0.590	0.658	-11.5	179#	0.00
55	T	1,1,2-Trichloroethane	0.362	0.378	-4.4	177#	0.00
56	T	Ethyl methacrylate	0.552	0.663	-20.1	182#	0.00
57	T	1,3-Dichloropropane	0.627	0.660	-5.3	173#	0.00
58	T	2-Chloroethyl Vinyl ether	0.297	0.366	-23.2	182#	0.00
59	T	2-Hexanone	0.429	0.483	-12.6	168#	0.00
60	T	Dibromochloromethane	0.413	0.441	-6.8	176#	0.00
61	T	1,2-Dibromoethane	0.381	0.403	-5.8	180#	0.00
62	S	4-Bromofluorobenzene	0.455	0.470	-3.3	178#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	169#	0.00
64	T	Tetrachloroethene	0.322	0.306	5.0	161#	0.00
65	PM	Chlorobenzene	1.123	1.142	-1.7	172#	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.398	-4.2	171#	0.00
67	C	Ethyl Benzene	1.848	2.026	-9.6#	176#	0.00
68	T	m/p-Xylenes	0.692	0.755	-9.1	168#	0.00
69	T	o-Xylene	0.661	0.736	-11.3	172#	0.00
70	T	Styrene	1.112	1.278	-14.9	172#	0.00
71	P	Bromoform	0.308	0.318	-3.2	164#	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	165#	0.00
73	T	Isopropylbenzene	3.147	3.734	-18.7	181#	0.00
74	T	N-amyl acetate	1.307	1.213	7.2	176#	0.01
75	P	1,1,2,2-Tetrachloroethane	1.184	1.291	-9.0	176#	0.00
76	T	1,2,3-Trichloropropane	1.121	1.097	2.1	152#	0.00
77	T	Bromobenzene	0.816	0.871	-6.7	165#	0.00
78	T	n-propylbenzene	3.959	4.709	-18.9	181#	0.00
79	T	2-Chlorotoluene	2.433	2.775	-14.1	181#	0.00
80	T	1,3,5-Trimethylbenzene	2.681	3.206	-19.6	181#	0.00
81	T	trans-1,4-Dichloro-2-butene	0.410	0.422	-2.9	172#	0.00
82	T	4-Chlorotoluene	2.533	2.862	-13.0	178#	0.00
83	T	tert-Butylbenzene	2.239	2.736	-22.2	186#	0.00
84	T	1,2,4-Trimethylbenzene	2.738	3.293	-20.3	181#	0.00
85	T	sec-Butylbenzene	3.373	4.081	-21.0	189#	0.00
86	T	p-Isopropyltoluene	2.703	3.355	-24.1	185#	0.00
87	T	1,3-Dichlorobenzene	1.602	1.685	-5.2	168#	0.00
88	T	1,4-Dichlorobenzene	1.711	1.706	0.3	165#	0.00
89	T	n-Butylbenzene	2.581	3.387	-31.2#	202#	0.00
90	T	Hexachloroethane	0.573	0.640	-11.7	183#	0.00
91	T	1,2-Dichlorobenzene	1.517	1.645	-8.4	172#	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.311	0.312	-0.3	170#	0.00
93	T	1,2,4-Trichlorobenzene	0.891	1.001	-12.3	176#	0.00
94	T	Hexachlorobutadiene	0.331	0.379	-14.5	190#	0.00
95	T	Naphthalene	3.158	3.689	-16.8	177#	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087525.D
Acq On : 13 Aug 2025 10:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 03:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.894	0.937	-4.8	168#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN087525.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087525.D
Acq On : 13 Aug 2025 10:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 03:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	163	0.00
2	T	Dichlorodifluoromethane	50.000	61.914	-23.8	172	0.00
3	P	Chloromethane	50.000	46.740	6.5	148	0.00
4	C	Vinyl Chloride	50.000	54.022	-8.0#	161	0.00
5	T	Bromomethane	50.000	57.184	-14.4	180	0.00
6	T	Chloroethane	50.000	54.196	-8.4	173	0.00
7	T	Trichlorofluoromethane	50.000	53.781	-7.6	168	0.00
8	T	Diethyl Ether	50.000	60.389	-20.8	190	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	57.720	-15.4	181	0.00
10	T	Methyl Iodide	50.000	40.808	18.4	136	0.00
11	T	Tert butyl alcohol	250.000	286.357	-14.5	187	0.00
12	CM	1,1-Dichloroethene	50.000	49.669	0.7#	170	0.00
13	T	Acrolein	250.000	280.207	-12.1	195	0.00
14	T	Allyl chloride	50.000	52.801	-5.6	178	0.00
15	T	Acrylonitrile	250.000	258.773	-3.5	163	0.00
16	T	Acetone	250.000	277.621	-11.0	186	0.00
17	T	Carbon Disulfide	50.000	47.578	4.8	151	0.00
18	T	Methyl Acetate	50.000	58.763	-17.5	193	0.00
19	T	Methyl tert-butyl Ether	50.000	58.885	-17.8	186	0.00
20	T	Methylene Chloride	50.000	51.839	-3.7	169	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.703	0.6	160	0.00
22	T	Diisopropyl ether	50.000	58.441	-16.9	181	0.00
23	T	Vinyl Acetate	250.000	306.836	-22.7	179	0.00
24	P	1,1-Dichloroethane	50.000	51.586	-3.2	172	0.00
25	T	2-Butanone	250.000	270.516	-8.2	168	0.00
26	T	2,2-Dichloropropane	50.000	59.940	-19.9	193	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.808	-7.6	169	0.00
28	T	Bromochloromethane	50.000	52.751	-5.5	173	0.00
29	T	Tetrahydrofuran	250.000	273.374	-9.3	167	0.00
30	C	Chloroform	50.000	54.606	-9.2#	174	0.00
31	T	Cyclohexane	50.000	54.405	-8.8	177	0.00
32	T	1,1,1-Trichloroethane	50.000	54.317	-8.6	177	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.900	-5.8	182	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	172	0.00
35	S	Dibromofluoromethane	50.000	48.926	2.1	175	0.00
36	T	1,1-Dichloropropene	50.000	52.704	-5.4	170	0.00
37	T	Ethyl Acetate	50.000	51.872	-3.7	166	0.00
38	T	Carbon Tetrachloride	50.000	51.679	-3.4	173	0.00
39	T	Methylcyclohexane	50.000	59.801	-19.6	192	0.00
40	TM	Benzene	50.000	50.887	-1.8	166	0.00
41	T	Methacrylonitrile	50.000	56.377	-12.8	181	0.00
42	TM	1,2-Dichloroethane	50.000	53.444	-6.9	181	0.00
43	T	Isopropyl Acetate	50.000	56.154	-12.3	184	0.00
44	TM	Trichloroethene	50.000	49.195	1.6	165	0.00
45	C	1,2-Dichloropropane	50.000	51.319	-2.6#	167	0.00
46	T	Dibromomethane	50.000	52.067	-4.1	174	0.00
47	T	Bromodichloromethane	50.000	53.322	-6.6	182	0.00
48	T	Methyl methacrylate	50.000	60.829	-21.7	191	0.00

Sample Results: **VN087525.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087525.D
Acq On : 13 Aug 2025 10:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 03:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1099.339	-9.9	167	0.00
50	S	Toluene-d8	50.000	48.931	2.1	169	0.00
51	T	4-Methyl-2-Pentanone	250.000	272.168	-8.9	175	0.00
52	CM	Toluene	50.000	52.162	-4.3#	167	0.00
53	T	t-1,3-Dichloropropene	50.000	56.856	-13.7	180	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.797	-11.6	179	0.00
55	T	1,1,2-Trichloroethane	50.000	52.209	-4.4	177	0.00
56	T	Ethyl methacrylate	50.000	54.181	-8.4	182	0.00
57	T	1,3-Dichloropropane	50.000	52.670	-5.3	173	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	308.170	-23.3	182	0.00
59	T	2-Hexanone	250.000	281.390	-12.6	168	0.00
60	T	Dibromochloromethane	50.000	53.325	-6.7	176	0.00
61	T	1,2-Dibromoethane	50.000	52.906	-5.8	180	0.00
62	S	4-Bromofluorobenzene	50.000	51.735	-3.5	178	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	169	0.00
64	T	Tetrachloroethene	50.000	47.598	4.8	161	0.00
65	PM	Chlorobenzene	50.000	50.858	-1.7	172	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.143	-4.3	171	0.00
67	C	Ethyl Benzene	50.000	54.824	-9.6#	176	0.00
68	T	m/p-Xylenes	100.000	109.123	-9.1	168	0.00
69	T	o-Xylene	50.000	55.701	-11.4	172	0.00
70	T	Styrene	50.000	57.479	-15.0	172	0.00
71	P	Bromoform	50.000	51.623	-3.2	164	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	165	0.00
73	T	Isopropylbenzene	50.000	59.336	-18.7	181	0.00
74	T	N-amyl acetate	50.000	46.390	7.2	176	0.01
75	P	1,1,2,2-Tetrachloroethane	50.000	54.508	-9.0	176	0.00
76	T	1,2,3-Trichloropropane	50.000	48.934	2.1	152	0.00
77	T	Bromobenzene	50.000	53.342	-6.7	165	0.00
78	T	n-propylbenzene	50.000	59.467	-18.9	181	0.00
79	T	2-Chlorotoluene	50.000	57.031	-14.1	181	0.00
80	T	1,3,5-Trimethylbenzene	50.000	59.782	-19.6	181	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.454	-2.9	172	0.00
82	T	4-Chlorotoluene	50.000	56.480	-13.0	178	0.00
83	T	tert-Butylbenzene	50.000	61.085	-22.2	186	0.00
84	T	1,2,4-Trimethylbenzene	50.000	60.126	-20.3	181	0.00
85	T	sec-Butylbenzene	50.000	60.493	-21.0	189	0.00
86	T	p-Isopropyltoluene	50.000	62.051	-24.1	185	0.00
87	T	1,3-Dichlorobenzene	50.000	52.590	-5.2	168	0.00
88	T	1,4-Dichlorobenzene	50.000	49.863	0.3	165	0.00
89	T	n-Butylbenzene	50.000	65.611	-31.2#	202	0.00
90	T	Hexachloroethane	50.000	55.901	-11.8	183	0.00
91	T	1,2-Dichlorobenzene	50.000	54.195	-8.4	172	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.215	-0.4	170	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.161	-12.3	176	0.00
94	T	Hexachlorobutadiene	50.000	57.185	-14.4	190	0.00
95	T	Naphthalene	50.000	58.414	-16.8	177	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087525.D
Acq On : 13 Aug 2025 10:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 03:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.411	-4.8	168	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

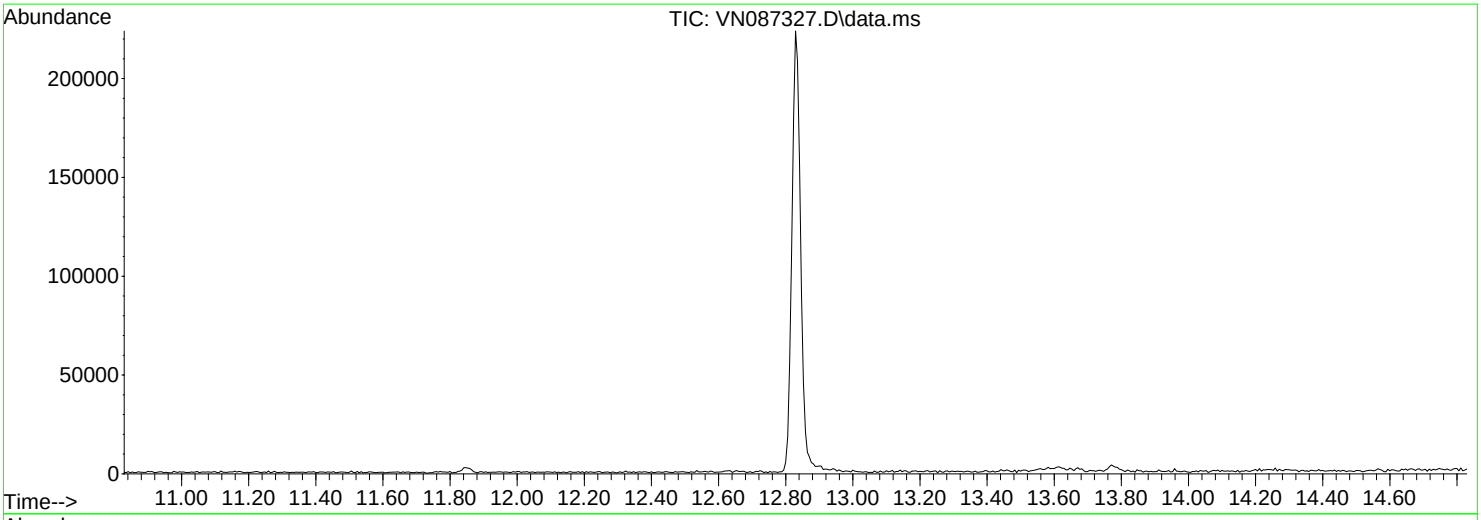
Sample Results: **VN087327.D**

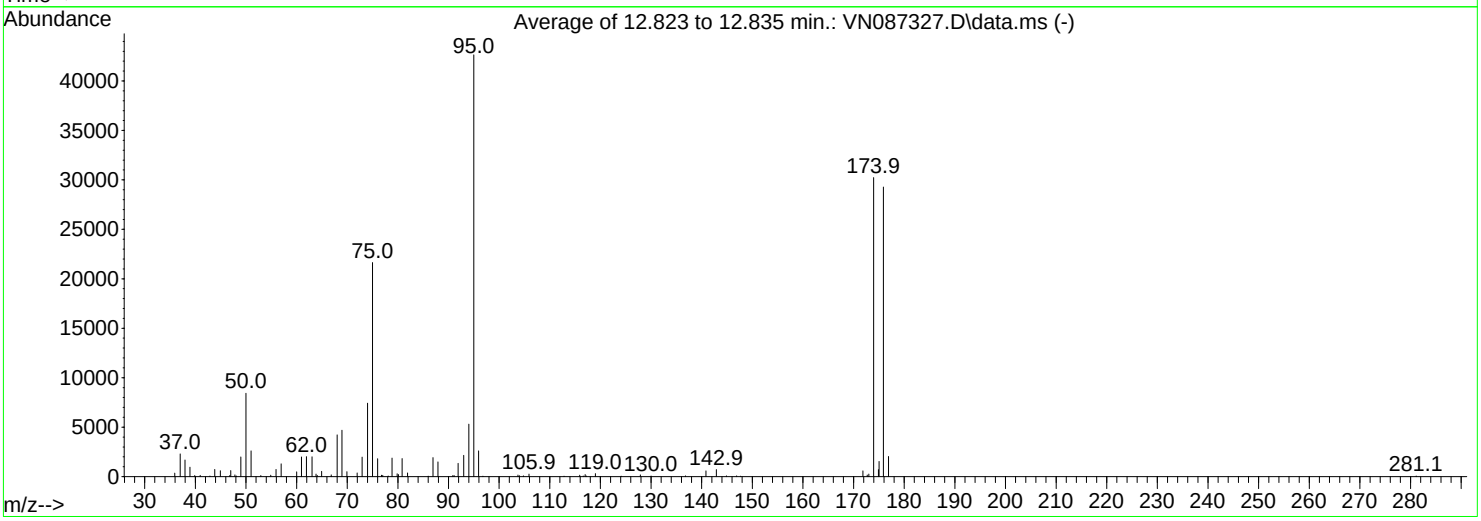
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087327.D
Acq On : 16 Jul 2025 16:10
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Title : SW846 8260
Last Update : Thu Jul 17 02:56:13 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1839

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	8426	PASS
75	95	30	60	50.8	21643	PASS
95	95	100	100	100.0	42640	PASS
96	95	5	9	6.1	2612	PASS
173	174	0.00	2	0.8	255	PASS
174	95	50	100	70.9	30229	PASS
175	174	5	9	5.1	1538	PASS
176	174	95	101	96.9	29285	PASS
177	176	5	9	7.0	2046	PASS

Average of 12.823 to 12.835 min.: VN087327.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	354	47.80	181	61.95	2016	74.00	742
37.00	2290	48.10	60	63.05	2010	75.00	2164
37.95	1679	49.00	1995	63.85	261	76.00	181
38.95	954	50.00	8426	64.10	115	76.75	14
39.90	107	51.00	2608	64.95	542	77.00	122
40.95	135	52.95	119	66.85	179	78.10	60
42.90	65	54.90	138	68.00	4227	78.85	1870
43.85	725	55.95	722	68.95	4698	79.85	287
44.95	593	56.95	1299	69.95	494	80.10	209
46.80	115	60.00	486	71.95	381	80.85	1827
47.00	608	60.95	1996	72.95	1978	81.90	375

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN087327.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	53	103.70	156	127.90	178	173.95	30229
86.95	1927	104.00	90	130.00	72	174.90	709
87.90	1486	104.80	81	136.80	89	175.05	1538
90.85	118	105.90	261	140.85	580	175.90	29285
91.10	107	112.80	55	142.90	707	176.90	2046
91.90	1340	115.90	151	144.90	80	281.10	60
93.00	2153	116.60	61	146.90	74		
94.00	5304	117.00	209	147.70	57		
95.00	42640	117.20	66	171.85	576		
95.95	2612	119.00	301	172.70	163		
96.80	56	124.10	52	173.00	255		

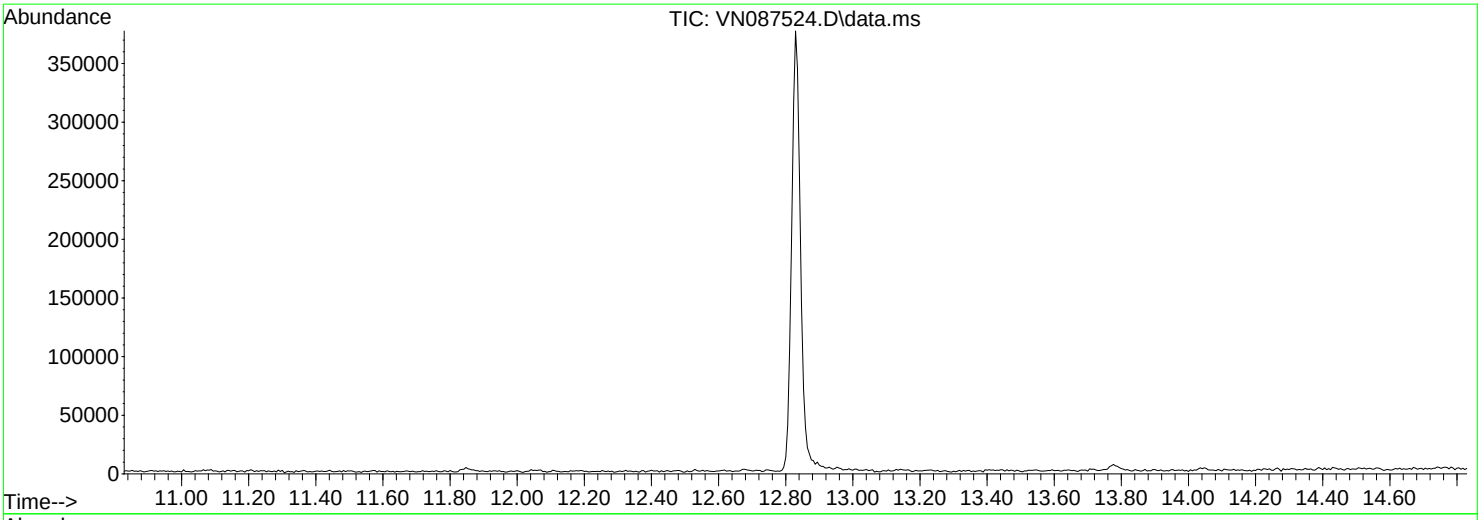
Sample Results: **VN087524.D**

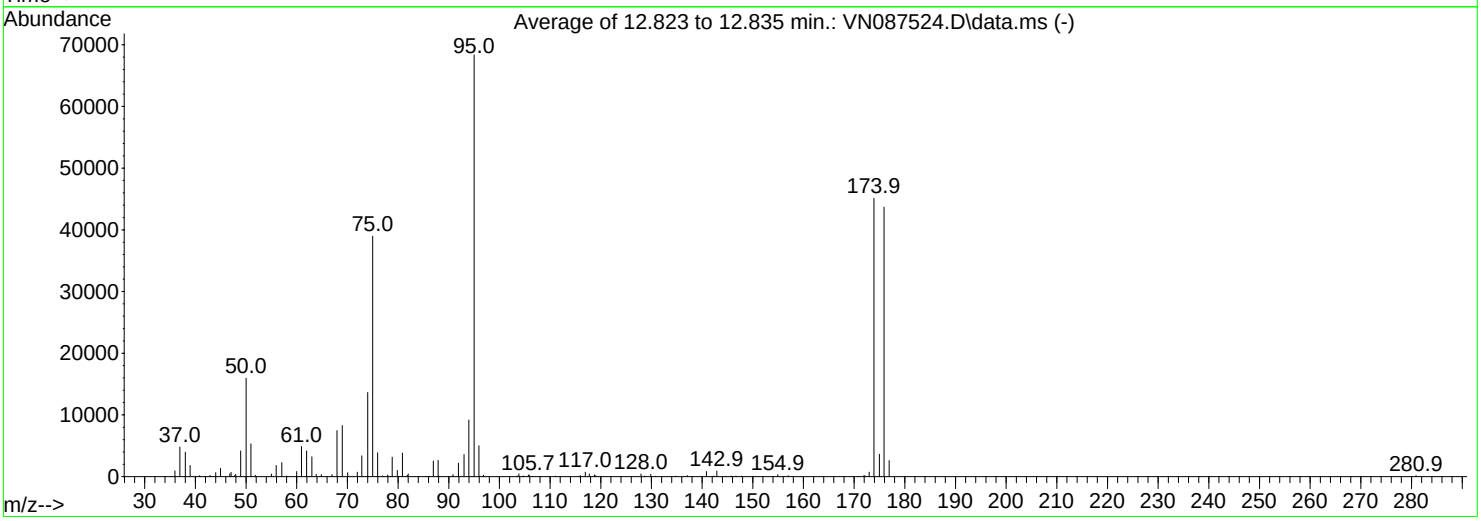
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087524.D
Acq On : 13 Aug 2025 09:04
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Title : SW846 8260
Last Update : Thu Jul 17 02:56:13 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	15951	PASS
75	95	30	60	57.0	38971	PASS
95	95	100	100	100.0	68368	PASS
96	95	5	9	7.3	5004	PASS
173	174	0.00	2	1.6	725	PASS
174	95	50	100	66.0	45131	PASS
175	174	5	9	8.0	3631	PASS
176	174	95	101	96.8	43667	PASS
177	176	5	9	6.0	2620	PASS

Average of 12.823 to 12.835 min.: VN087524.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	939	47.05	695	60.00	820	72.85	337
36.95	4796	47.70	146	60.95	4890	74.00	1363
38.00	3964	47.95	354	61.95	4189	75.00	3897
38.95	1822	48.95	4174	63.00	3227	75.95	385
40.80	160	50.00	15951	63.85	366	76.90	119
41.10	62	50.95	5325	64.85	333	77.95	271
41.90	66	51.85	201	66.95	342	78.85	3161
42.90	198	55.00	429	67.95	7476	79.85	1018
44.00	659	55.95	1827	69.00	8286	80.85	3806
44.95	1347	57.05	2293	70.05	640	81.80	206
46.80	478	58.00	88	71.95	719	82.00	441

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN087524.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.70	58	103.50	117	117.75	452	142.30	102
86.10	64	103.85	440	118.75	282	142.90	923
86.95	2549	104.60	61	119.00	170	144.60	58
87.90	2655	104.80	94	127.95	455	145.70	103
90.85	343	105.70	266	128.70	112	146.70	92
91.90	2172	105.90	249	129.85	354	147.80	110
93.00	3581	106.60	53	130.80	57	154.95	303
93.95	9181	111.10	71	134.80	76	157.00	148
95.00	68368	115.70	58	137.05	180	170.80	61
95.95	5004	115.95	192	140.10	67	171.90	139
96.85	227	116.95	716	140.85	824	172.10	184

Average of 12.823 to 12.835 min.: VN087524.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
172.95	725						
173.90	45131						
175.00	3631						
175.90	43667						
176.90	2620						
280.90	179						

Raw Data: **VN087527.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0813WBL01	SDG No.:	Q2732
Lab Sample ID:	VN0813WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087527.D	1	08/13/25 11:41	VN081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0010	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0010	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.6		70 (74) - 130 (125)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	52.0		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	8.212			
540-36-3	1,4-Difluorobenzene	517000	9.088			
3114-55-4	Chlorobenzene-d5	473000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	218000	13.77			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087527.D
Acq On : 13 Aug 2025 11:41
Operator : JC\MD
Sample : VN0813WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Quant Time: Aug 14 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

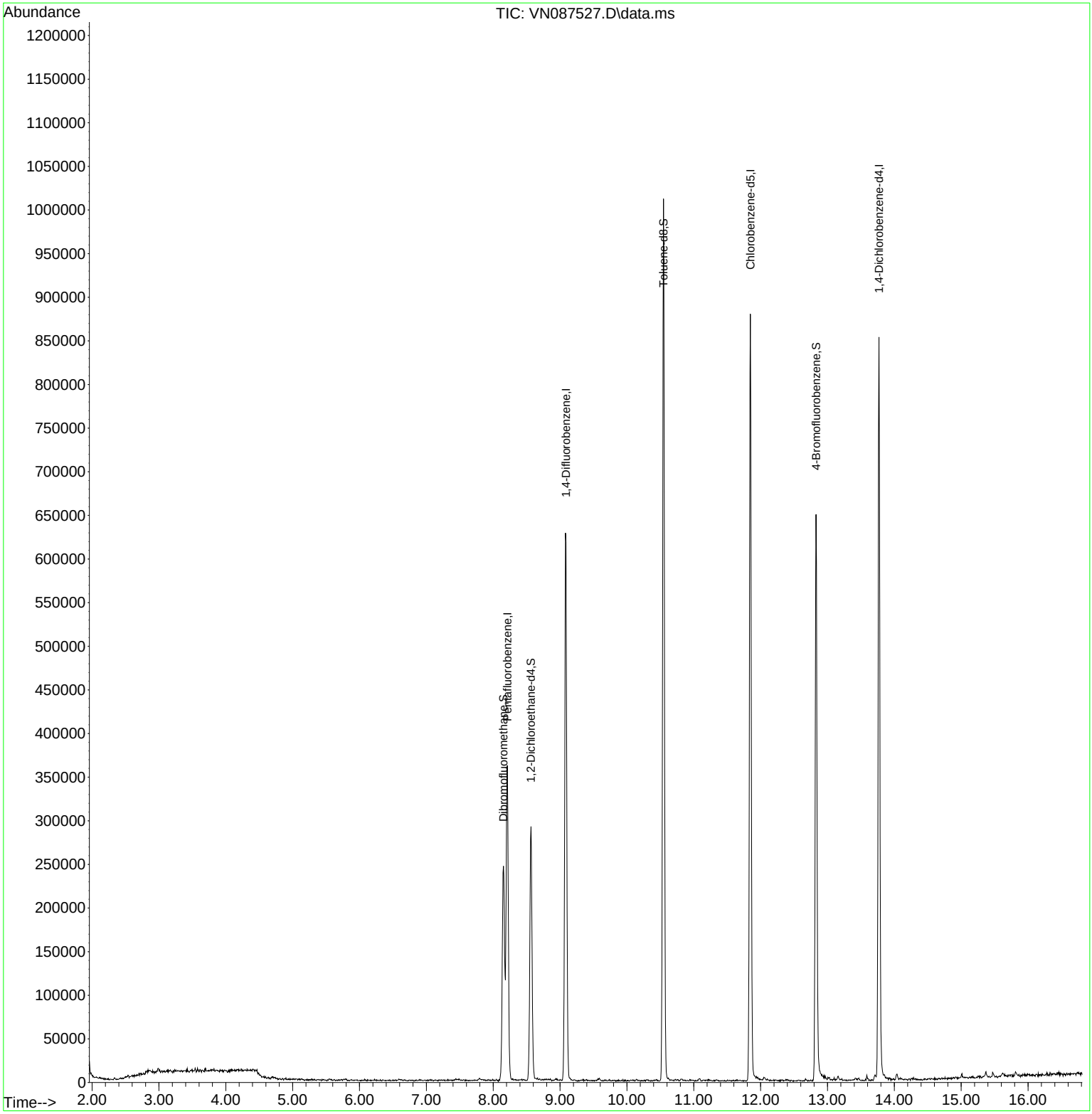
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	240605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	517097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	472576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	217582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	243187	59.567	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.140%			
35) Dibromofluoromethane	8.153	113	177183	49.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.340%			
50) Toluene-d8	10.547	98	661503	51.990	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.980%			
62) 4-Bromofluorobenzene	12.829	95	235890	50.181	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.360%			
Target Compounds						Qvalue

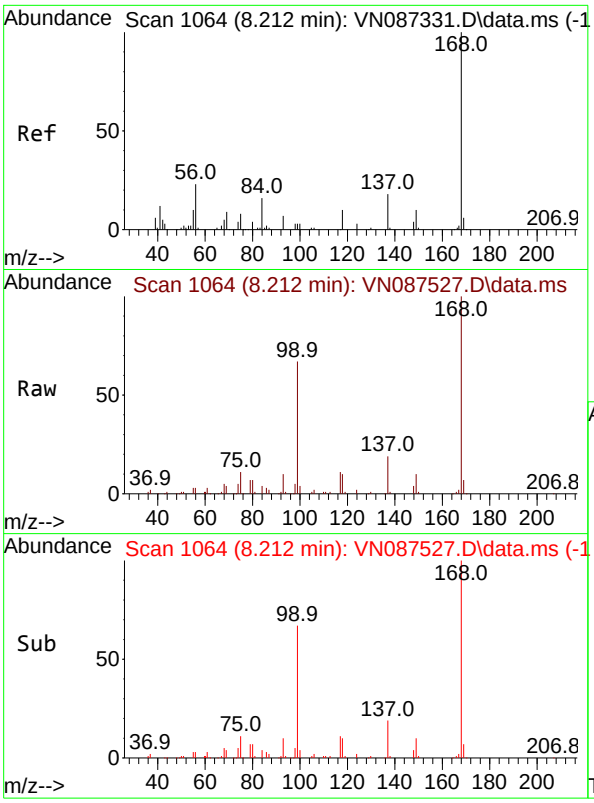
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087527.D
Acq On : 13 Aug 2025 11:41
Operator : JC\MD
Sample : VN0813WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Quant Time: Aug 14 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



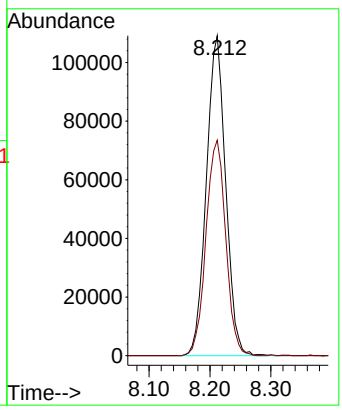


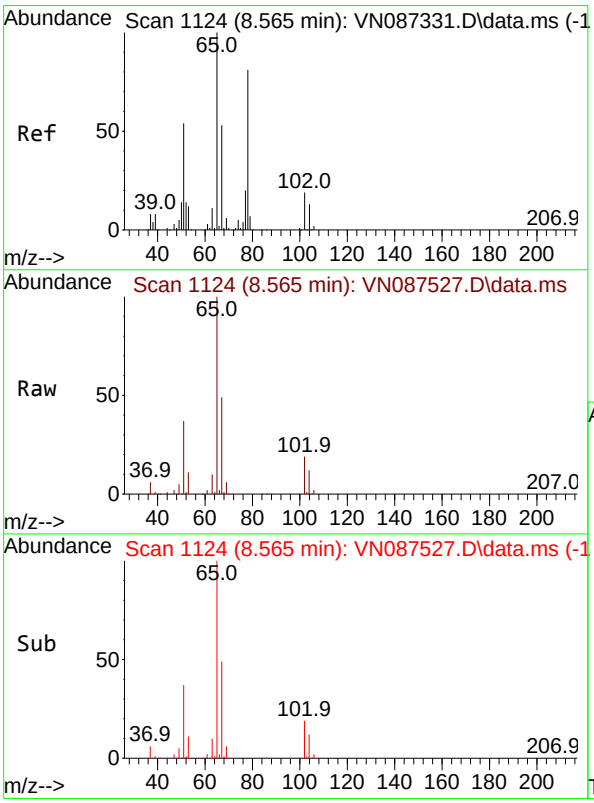
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Tgt Ion:168 Resp: 240605

Ion	Ratio	Lower	Upper
168	100		
99	67.4	47.9	71.9

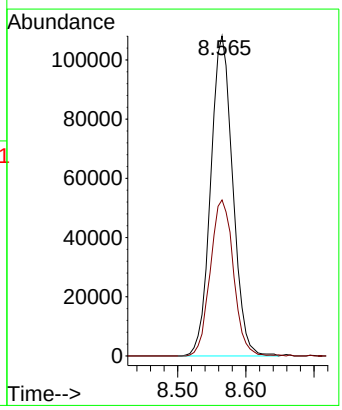


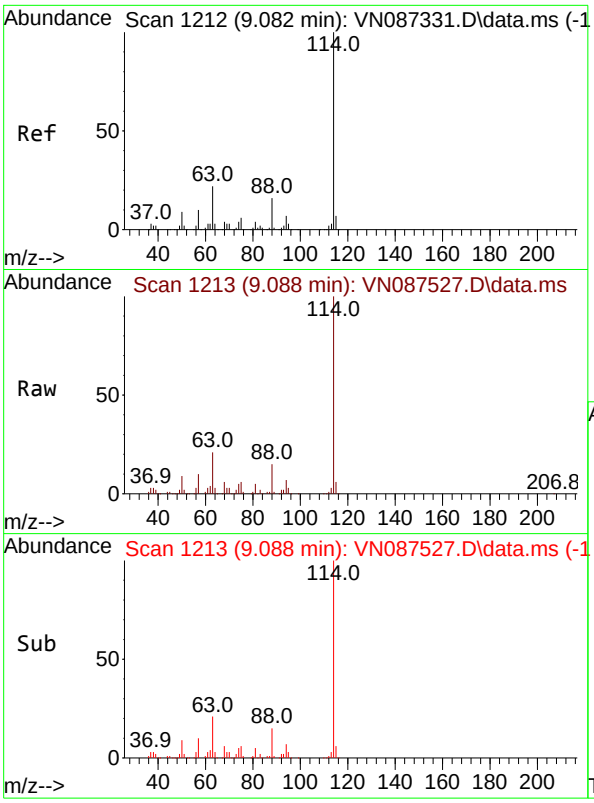


#33
1,2-Dichloroethane-d4
Concen: 59.567 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion: 65 Resp: 243187

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.0



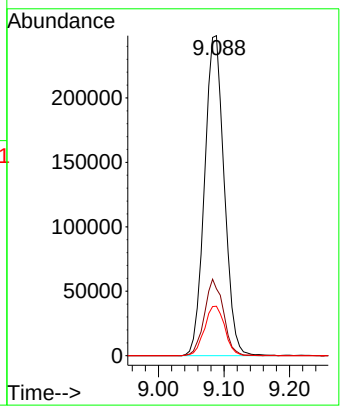


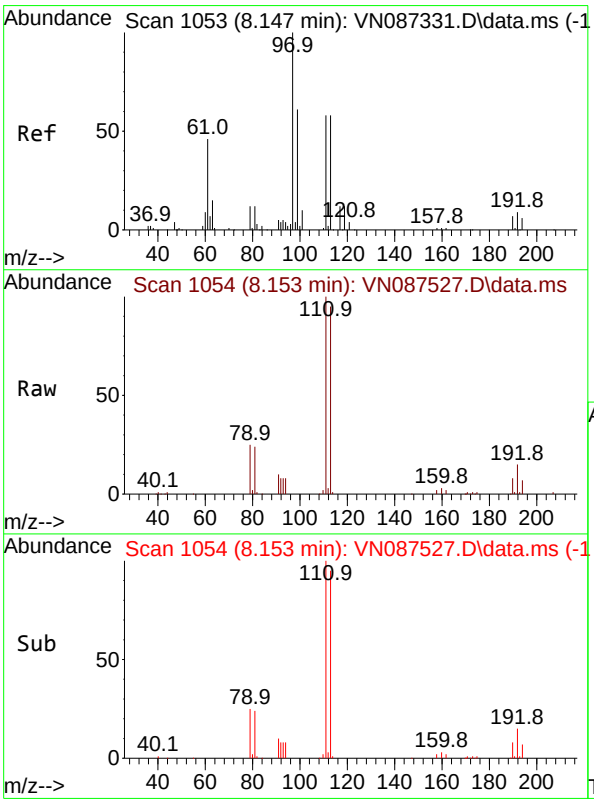
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Tgt Ion:114 Resp: 517097

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.6
88	15.5	0.0	32.8

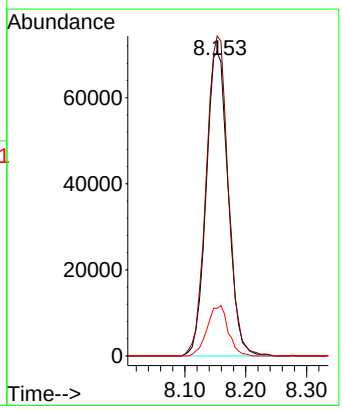


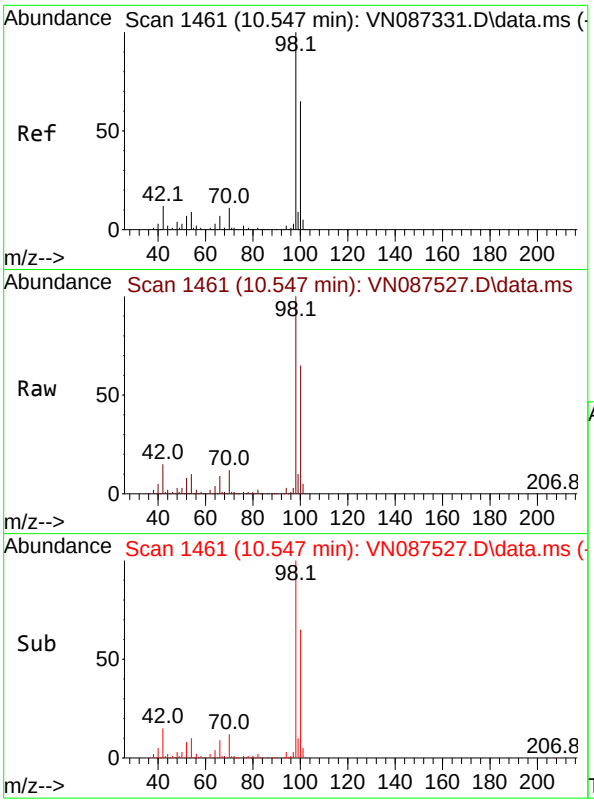


#35
Dibromofluoromethane
Concen: 49.674 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion:113 Resp: 177183

Ion	Ratio	Lower	Upper
113	100		
111	105.4	82.5	123.7
192	15.8	13.7	20.5



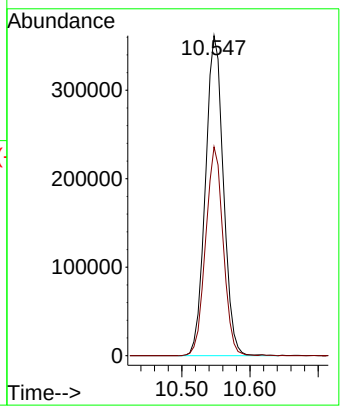


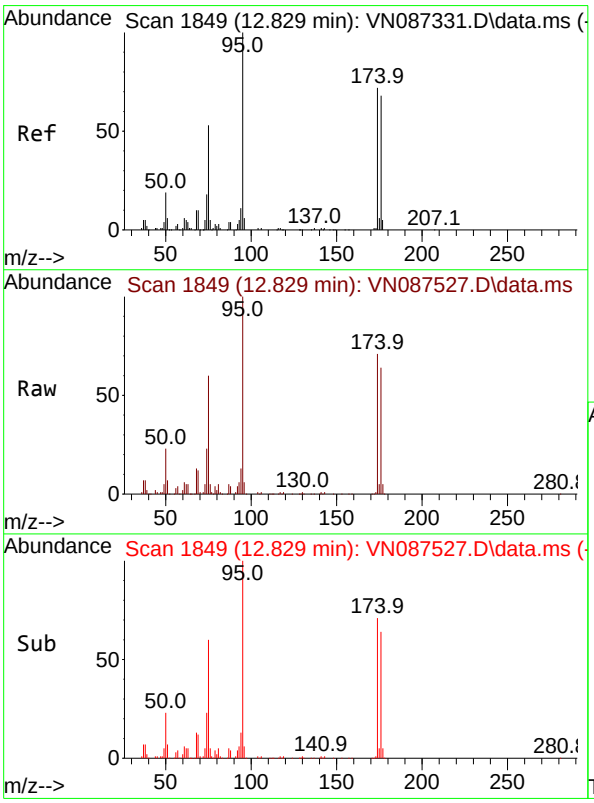
#50
Toluene-d8
Concen: 51.990 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Tgt Ion: 98 Resp: 661503

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.1	78.1

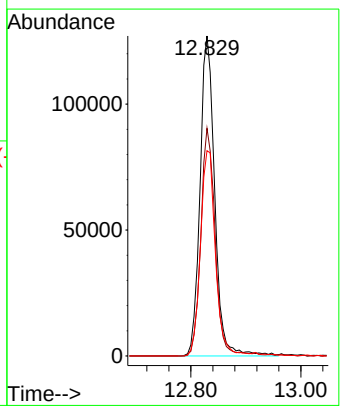


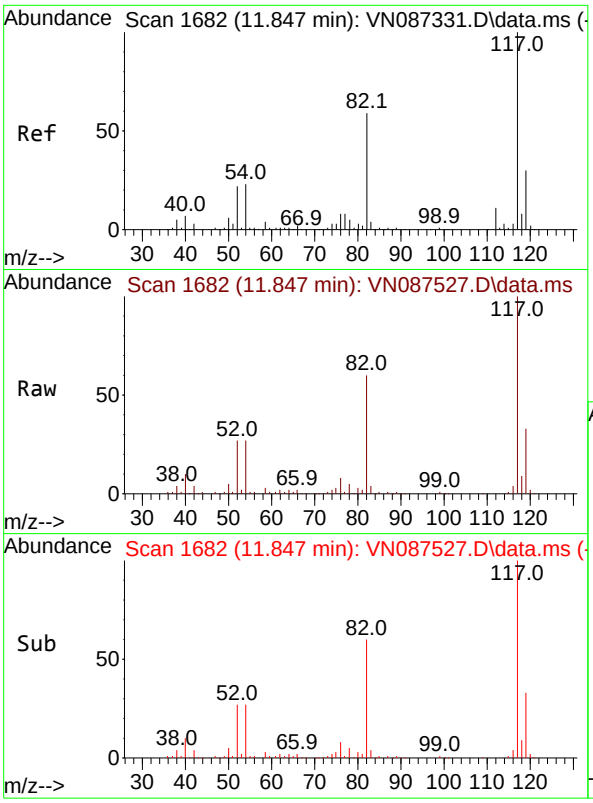


#62
4-Bromofluorobenzene
Concen: 50.181 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion: 95 Resp: 235890

Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	149.4
176	65.4	0.0	141.2



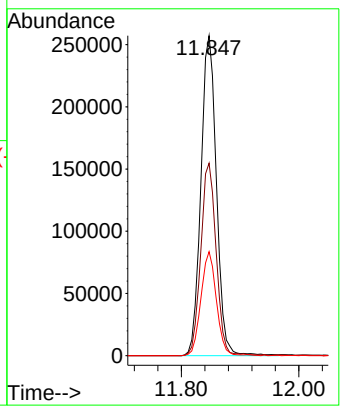


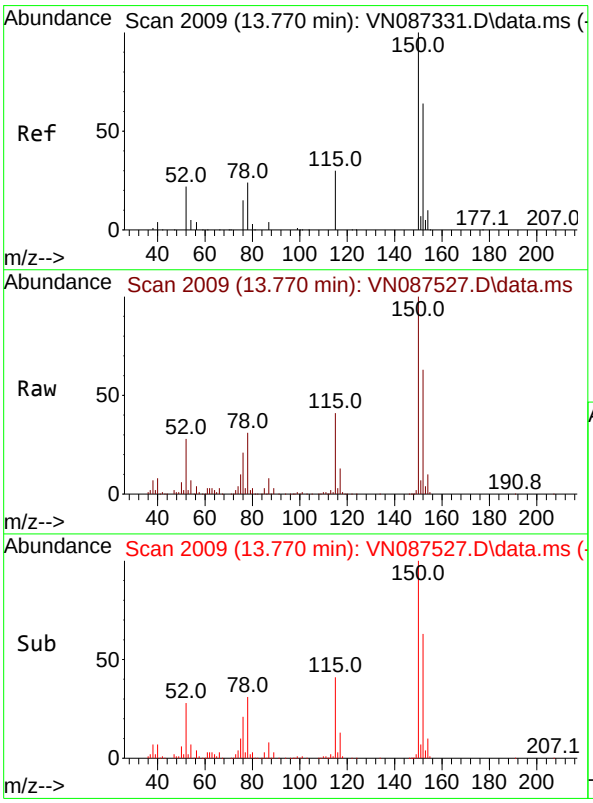
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Tgt Ion:117 Resp: 472576

Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.4	71.2
119	32.5	23.8	35.8

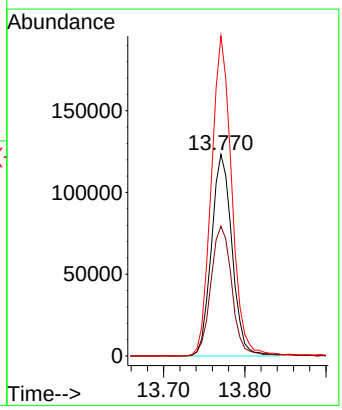




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion:152 Resp: 217582

Ion	Ratio	Lower	Upper
152	100		
115	66.2	31.1	93.5
150	157.7	0.0	349.0



Raw Data: **VN087528.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0813WBS01	SDG No.:	Q2732
Lab Sample ID:	VN0813WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087528.D	1	08/13/25 12:39	VN081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.021		0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.019		0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.11		0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.019		0.00025	0.0010	mg/L
67-66-3	Chloroform	0.022		0.00025	0.0010	mg/L
71-43-2	Benzene	0.019		0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.021		0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.018		0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.017		0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.019		0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.5		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271000	8.212			
540-36-3	1,4-Difluorobenzene	532000	9.088			
3114-55-4	Chlorobenzene-d5	484000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	246000	13.77			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087528.D
Acq On : 13 Aug 2025 12:39
Operator : JC\MD
Sample : VN0813WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:57:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	271136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	532074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	483502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	246357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	269348	58.546	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.100%			
35) Dibromofluoromethane	8.153	113	183322	49.948	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.900%			
50) Toluene-d8	10.547	98	668561	51.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.829	95	253521	52.413	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	67174	23.326	ug/l	90
3) Chloromethane	2.389	50	66776	18.439	ug/l	92
4) Vinyl Chloride	2.542	62	74754	20.771	ug/l	96
5) Bromomethane	2.983	94	40764	21.873	ug/l	96
6) Chloroethane	3.136	64	48629	20.719	ug/l	96
7) Trichlorofluoromethane	3.512	101	111233	20.902	ug/l	99
8) Diethyl Ether	3.965	74	48291	23.393	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	58540	21.429	ug/l	95
10) Methyl Iodide	4.583	142	35025	16.690	ug/l #	80
11) Tert butyl alcohol	5.524	59	97141	111.202	ug/l	99
12) 1,1-Dichloroethene	4.342	96	59582	19.247	ug/l	91
13) Acrolein	4.177	56	67486	96.264	ug/l	95
14) Allyl chloride	5.012	41	114422	20.424	ug/l	93
15) Acrylonitrile	5.712	53	232694	98.163	ug/l	97
16) Acetone	4.424	43	264610	122.670	ug/l	95
17) Carbon Disulfide	4.706	76	166545	18.146	ug/l #	94
18) Methyl Acetate	5.018	43	123131	22.720	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	260864	22.862	ug/l	98
20) Methylene Chloride	5.265	84	74231	19.972	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	66300	18.994	ug/l	93
22) Diisopropyl ether	6.659	45	255940	21.779	ug/l	94
23) Vinyl Acetate	6.589	43	1200447	116.798	ug/l	100
24) 1,1-Dichloroethane	6.559	63	142998	21.092	ug/l	98
25) 2-Butanone	7.477	43	352074	105.636	ug/l	98
26) 2,2-Dichloropropane	7.483	77	122382	23.217	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	85349	21.238	ug/l	98
28) Bromochloromethane	7.800	49	86255	26.583	ug/l	94
29) Tetrahydrofuran	7.830	42	226869	104.782	ug/l	98
30) Chloroform	7.953	83	147959	21.803	ug/l	100
31) Cyclohexane	8.247	56	117459	20.768	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	121717	20.709	ug/l	92
36) 1,1-Dichloropropene	8.353	75	93953	19.376	ug/l	97
37) Ethyl Acetate	7.547	43	140045	19.997	ug/l	99
38) Carbon Tetrachloride	8.347	117	98608	18.460	ug/l	99
39) Methylcyclohexane	9.582	83	104990	19.999	ug/l	95
40) Benzene	8.588	78	300280	19.160	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087528.D
Acq On : 13 Aug 2025 12:39
Operator : JC\MD
Sample : VN0813WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:57:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	72592	19.824	ug/l		97
42) 1,2-Dichloroethane	8.659	62	123364	20.757	ug/l		98
43) Isopropyl Acetate	8.677	43	226277	20.814	ug/l		97
44) Trichloroethene	9.335	130	64984	17.548	ug/l		80
45) 1,2-Dichloropropane	9.606	63	76438	19.195	ug/l		95
46) Dibromomethane	9.694	93	58121	19.494	ug/l		94
47) Bromodichloromethane	9.871	83	118437	19.721	ug/l	#	99
48) Methyl methacrylate	9.665	41	101733	20.787	ug/l		93
49) 1,4-Dioxane	9.682	88	30716	409.771	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.429	43	682146	99.209	ug/l		98
52) Toluene	10.612	92	184134	19.330	ug/l		95
53) t-1,3-Dichloropropene	10.818	75	126655	20.839	ug/l		97
54) cis-1,3-Dichloropropene	10.294	75	127653	20.333	ug/l	#	82
55) 1,1,2-Trichloroethane	11.000	97	75351	19.538	ug/l		93
56) Ethyl methacrylate	10.859	69	124909	20.038	ug/l	#	94
57) 1,3-Dichloropropane	11.147	76	133523	20.025	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	357207	112.912	ug/l		100
59) 2-Hexanone	11.182	43	449566	98.549	ug/l		99
60) Dibromochloromethane	11.341	129	83142	18.904	ug/l		98
61) 1,2-Dibromoethane	11.453	107	76462	18.856	ug/l		97
64) Tetrachloroethene	11.088	164	52809	16.970	ug/l		94
65) Chlorobenzene	11.871	112	204381	18.828	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	70375	19.066	ug/l		100
67) Ethyl Benzene	11.947	91	350836	19.633	ug/l		98
68) m/p-Xylenes	12.053	106	257573	38.492	ug/l		87
69) o-Xylene	12.382	106	126743	19.828	ug/l		92
70) Styrene	12.394	104	217628	20.239	ug/l		95
71) Bromoform	12.559	173	51553	17.288	ug/l	#	100
73) Isopropylbenzene	12.676	105	329550	21.254	ug/l		98
74) N-amyl acetate	12.529	43	117589m	18.253	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	118693	20.344	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	104369m	18.893	ug/l		
77) Bromobenzene	12.965	156	79368	19.737	ug/l		94
78) n-propylbenzene	13.018	91	406345	20.830	ug/l		97
79) 2-Chlorotoluene	13.106	91	249430	20.804	ug/l		95
80) 1,3,5-Trimethylbenzene	13.153	105	279232	21.137	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	35665	17.665	ug/l		91
82) 4-Chlorotoluene	13.206	91	259571	20.795	ug/l		96
83) tert-Butylbenzene	13.418	119	235302	21.326	ug/l		97
84) 1,2,4-Trimethylbenzene	13.465	105	293504	21.755	ug/l		95
85) sec-Butylbenzene	13.594	105	350703	21.102	ug/l		98
86) p-Isopropyltoluene	13.712	119	289012	21.699	ug/l		97
87) 1,3-Dichlorobenzene	13.717	146	150068	19.015	ug/l		99
88) 1,4-Dichlorobenzene	13.794	146	158514	18.806	ug/l		98
89) n-Butylbenzene	14.035	91	289625	22.773	ug/l		99
90) Hexachloroethane	14.312	117	54681	19.377	ug/l		94
91) 1,2-Dichlorobenzene	14.088	146	146430	19.585	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	28461	18.580	ug/l		92
93) 1,2,4-Trichlorobenzene	15.370	180	88514	20.154	ug/l		98
94) Hexachlorobutadiene	15.476	225	32512	19.923	ug/l		99
95) Naphthalene	15.611	128	315158	20.256	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	83466	18.946	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087528.D
Acq On : 13 Aug 2025 12:39
Operator : JC\MD
Sample : VN0813WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:57:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

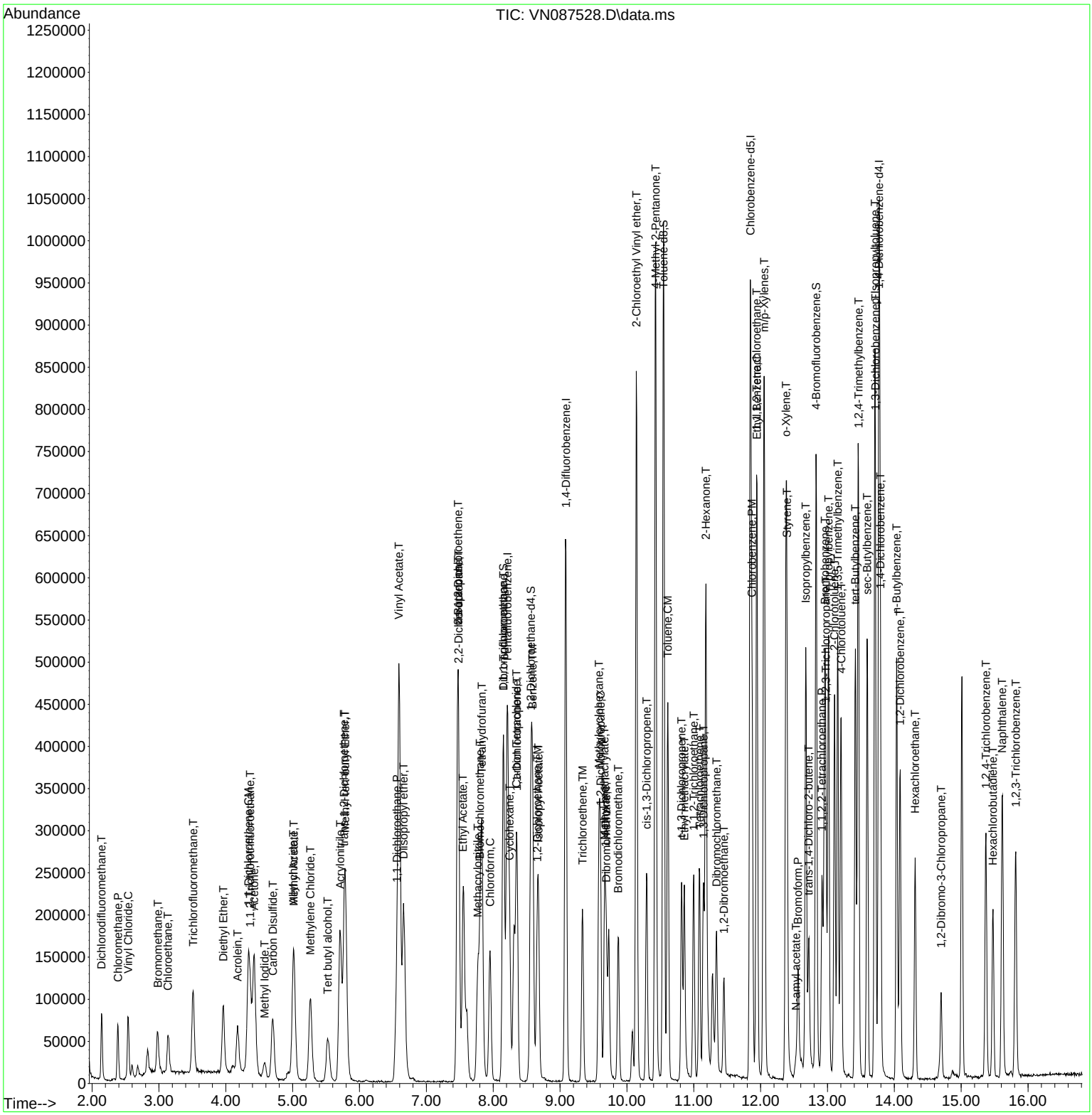
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087528.D
Acq On : 13 Aug 2025 12:39
Operator : JC\MD
Sample : VN0813WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:57:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Raw Data: **VN087530.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0813WBSD01	SDG No.:	Q2732
Lab Sample ID:	VN0813WBSD01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087530.D	1	08/13/25 13:23	VN081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.020		0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.019		0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.11		0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.018		0.00025	0.0010	mg/L
67-66-3	Chloroform	0.021		0.00025	0.0010	mg/L
71-43-2	Benzene	0.019		0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.021		0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.017		0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.017		0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.018		0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		70 (74) - 130 (125)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	267000	8.212			
540-36-3	1,4-Difluorobenzene	512000	9.083			
3114-55-4	Chlorobenzene-d5	464000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	234000	13.771			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087530.D
Acq On : 13 Aug 2025 13:23
Operator : JC\MD
Sample : VN0813WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 03:58:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	266779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	512412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	464252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	233575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	253037	55.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.800%			
35) Dibromofluoromethane	8.153	113	172807	48.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.780%			
50) Toluene-d8	10.547	98	614481	48.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.480%			
62) 4-Bromofluorobenzene	12.829	95	240746	51.682	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	65074	22.966	ug/l	97
3) Chloromethane	2.383	50	62456	17.528	ug/l	100
4) Vinyl Chloride	2.542	62	69089	19.511	ug/l	97
5) Bromomethane	2.983	94	34112	18.602	ug/l	93
6) Chloroethane	3.136	64	47465	20.554	ug/l	96
7) Trichlorofluoromethane	3.506	101	105763	20.198	ug/l	97
8) Diethyl Ether	3.959	74	43436	21.385	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	58966	21.937	ug/l	95
10) Methyl Iodide	4.577	142	29096	14.968	ug/l	91
11) Tert butyl alcohol	5.524	59	97149	113.027	ug/l	96
12) 1,1-Dichloroethene	4.336	96	57633	18.921	ug/l	96
13) Acrolein	4.183	56	69159	100.262	ug/l	94
14) Allyl chloride	5.012	41	106838	19.381	ug/l	94
15) Acrylonitrile	5.712	53	235001	100.755	ug/l	98
16) Acetone	4.424	43	239432	112.811	ug/l	97
17) Carbon Disulfide	4.700	76	160063	17.725	ug/l	98
18) Methyl Acetate	5.024	43	124016	23.257	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	249165	22.193	ug/l	94
20) Methylene Chloride	5.265	84	72230	19.744	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	64985	18.921	ug/l	95
22) Diisopropyl ether	6.665	45	250212	21.639	ug/l	94
23) Vinyl Acetate	6.595	43	1065966	105.407	ug/l	100
24) 1,1-Dichloroethane	6.553	63	130584	19.575	ug/l	98
25) 2-Butanone	7.477	43	355122	108.290	ug/l	97
26) 2,2-Dichloropropane	7.471	77	112245	21.642	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	78062	19.742	ug/l	94
28) Bromochloromethane	7.800	49	82704	25.905	ug/l	89
29) Tetrahydrofuran	7.830	42	222641	104.509	ug/l	100
30) Chloroform	7.953	83	139708	20.923	ug/l	96
31) Cyclohexane	8.241	56	116493	20.933	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	116674	20.175	ug/l	94
36) 1,1-Dichloropropene	8.353	75	90656	19.413	ug/l	99
37) Ethyl Acetate	7.547	43	138345	20.513	ug/l	97
38) Carbon Tetrachloride	8.347	117	93676	18.210	ug/l	100
39) Methylcyclohexane	9.583	83	106012	20.968	ug/l	97
40) Benzene	8.588	78	284664	18.861	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087530.D
Acq On : 13 Aug 2025 13:23
Operator : JC\MD
Sample : VN0813WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 03:58:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	71206	20.192	ug/l		94
42) 1,2-Dichloroethane	8.653	62	117819	20.585	ug/l		99
43) Isopropyl Acetate	8.677	43	218724	20.891	ug/l		97
44) Trichloroethene	9.335	130	61840	17.340	ug/l		90
45) 1,2-Dichloropropane	9.606	63	73314	19.117	ug/l		96
46) Dibromomethane	9.694	93	54955	19.139	ug/l		95
47) Bromodichloromethane	9.871	83	110549	19.114	ug/l		100
48) Methyl methacrylate	9.665	41	103250	21.906	ug/l		91
49) 1,4-Dioxane	9.683	88	30707	425.370	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.430	43	677508	102.315	ug/l		97
52) Toluene	10.612	92	174579	19.030	ug/l		93
53) t-1,3-Dichloropropene	10.818	75	114738	19.602	ug/l		97
54) cis-1,3-Dichloropropene	10.294	75	120668	19.958	ug/l	#	88
55) 1,1,2-Trichloroethane	10.994	97	71031	19.125	ug/l	#	91
56) Ethyl methacrylate	10.859	69	119790	19.958	ug/l	#	93
57) 1,3-Dichloropropane	11.147	76	125761	19.584	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	341037	111.937	ug/l		100
59) 2-Hexanone	11.182	43	434848	98.981	ug/l		99
60) Dibromochloromethane	11.335	129	79483	18.765	ug/l		98
61) 1,2-Dibromoethane	11.453	107	75658	19.374	ug/l		95
64) Tetrachloroethene	11.082	164	49705	16.635	ug/l		95
65) Chlorobenzene	11.871	112	185394	17.787	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.941	131	66848	18.862	ug/l		96
67) Ethyl Benzene	11.941	91	335652	19.562	ug/l		97
68) m/p-Xylenes	12.053	106	248384	38.658	ug/l		93
69) o-Xylene	12.376	106	120524	19.637	ug/l		94
70) Styrene	12.394	104	204820	19.838	ug/l		98
71) Bromoform	12.559	173	50837	17.755	ug/l	#	98
73) Isopropylbenzene	12.676	105	316020	21.497	ug/l		96
74) N-amyl acetate	12.541	43	115395m	18.893	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	114486	20.697	ug/l		98
76) 1,2,3-Trichloropropane	12.971	75	102194m	19.511	ug/l		
77) Bromobenzene	12.965	156	72862	19.111	ug/l		93
78) n-propylbenzene	13.018	91	397991	21.518	ug/l		97
79) 2-Chlorotoluene	13.106	91	233909	20.578	ug/l		94
80) 1,3,5-Trimethylbenzene	13.153	105	271593	21.683	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	32118	16.778	ug/l		93
82) 4-Chlorotoluene	13.200	91	243438	20.570	ug/l		97
83) tert-Butylbenzene	13.418	119	227761	21.772	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	274928	21.494	ug/l		95
85) sec-Butylbenzene	13.594	105	346841	22.011	ug/l		98
86) p-Isopropyltoluene	13.712	119	279271	22.115	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	141081	18.855	ug/l		97
88) 1,4-Dichlorobenzene	13.794	146	149500	18.707	ug/l		97
89) n-Butylbenzene	14.035	91	283005	23.470	ug/l		99
90) Hexachloroethane	14.312	117	51791	19.357	ug/l		91
91) 1,2-Dichlorobenzene	14.088	146	139847	19.728	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.700	75	28181	19.404	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	87149	20.929	ug/l		97
94) Hexachlorobutadiene	15.476	225	33877	21.896	ug/l		97
95) Naphthalene	15.617	128	307032	20.814	ug/l		100
96) 1,2,3-Trichlorobenzene	15.817	180	81621	19.541	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087530.D
Acq On : 13 Aug 2025 13:23
Operator : JC\MD
Sample : VN0813WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 03:58:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

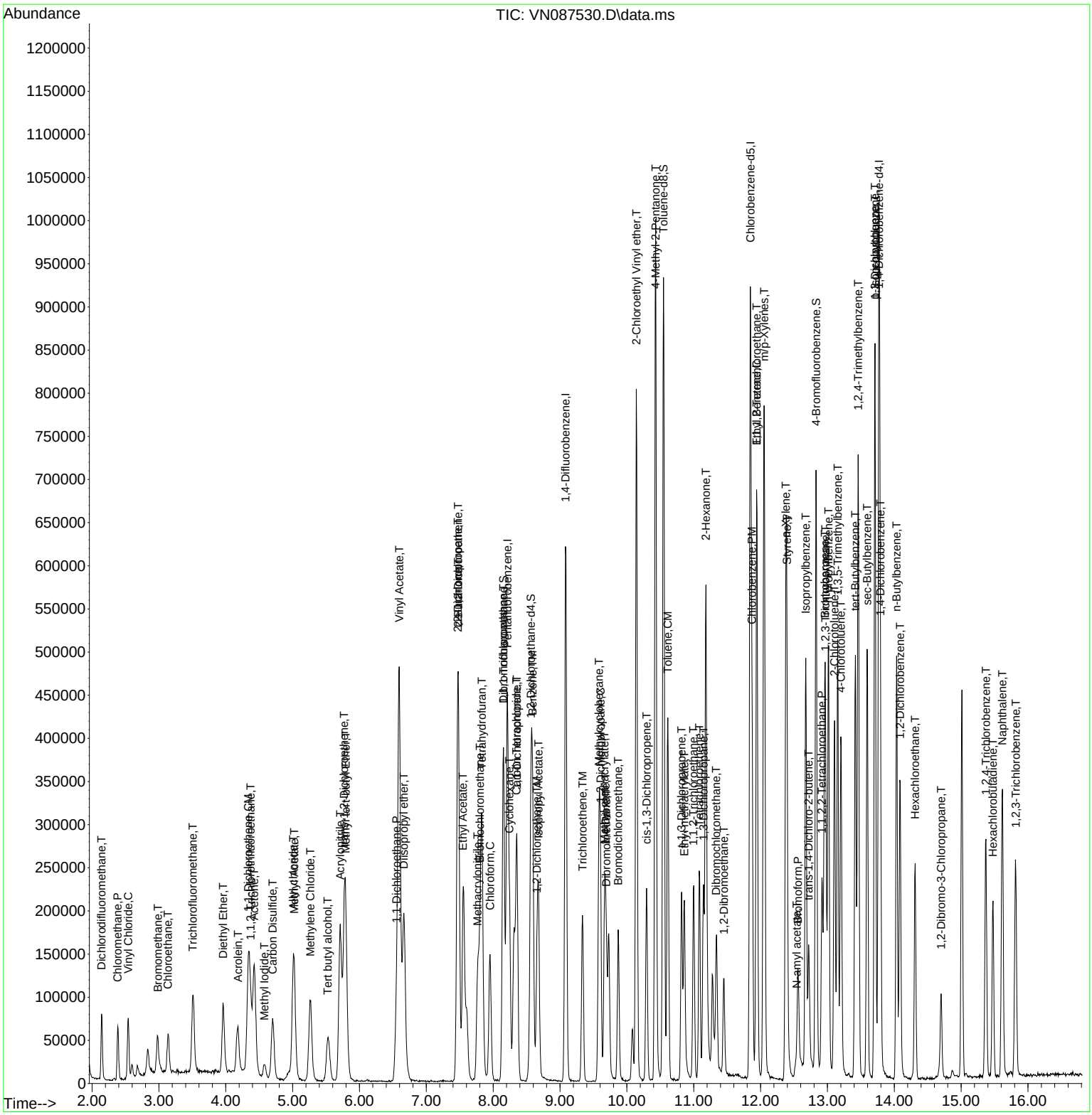
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087530.D
Acq On : 13 Aug 2025 13:23
Operator : JC\MD
Sample : VN0813WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 03:58:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087328.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	1,4-Dichlorobenzene	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Acetone	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Allyl chloride	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Methyl tert-butyl Ether	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	Methyl Iodide	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087332.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:58 AM	Sam	7/17/2025 8:25:00 AM	Peak Integrated by Software
VSTDICC150	VN087333.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:59 AM	Sam	7/17/2025 8:25:02 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	N-amyl acetate	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn081325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087525.D	1,2,3-Trichloropropane	JOHN	8/14/2025 8:56:09 AM	MMDadoda	8/18/2025 8:47:04 AM	Peak Integrated by Software
VN0813WBS01	VN087528.D	1,2,3-Trichloropropane	JOHN	8/14/2025 8:56:15 AM	MMDadoda	8/18/2025 8:47:06 AM	Peak Integrated by Software
VN0813WBS01	VN087528.D	N-amyl acetate	JOHN	8/14/2025 8:56:15 AM	MMDadoda	8/18/2025 8:47:06 AM	Peak Integrated by Software
VN0813WBSD01	VN087530.D	1,2,3-Trichloropropane	JOHN	8/14/2025 8:56:20 AM	MMDadoda	8/18/2025 8:47:07 AM	Peak Integrated by Software
VN0813WBSD01	VN087530.D	N-amyl acetate	JOHN	8/14/2025 8:56:20 AM	MMDadoda	8/18/2025 8:47:07 AM	Peak Integrated by Software
VSTDCCC050	VN087550.D	1,2,3-Trichloropropane	JOHN	8/14/2025 8:56:57 AM	MMDadoda	8/18/2025 8:47:58 AM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087327.D	16 Jul 2025 16:10	JC\MD	Ok
2	VSTDICC001	VN087328.D	16 Jul 2025 17:05	JC\MD	Ok,M
3	VSTDICC005	VN087329.D	16 Jul 2025 17:27	JC\MD	Ok,M
4	VSTDICC020	VN087330.D	16 Jul 2025 17:49	JC\MD	Ok,M
5	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	JC\MD	Ok,M
6	VSTDICC100	VN087332.D	16 Jul 2025 18:32	JC\MD	Ok,M
7	VSTDICC150	VN087333.D	16 Jul 2025 18:54	JC\MD	Ok,M
8	IBLK	VN087334.D	16 Jul 2025 19:16	JC\MD	Ok
9	VSTDICV050	VN087335.D	16 Jul 2025 19:59	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081325

Review By	John Carlone	Review On	8/14/2025 9:03:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:14 AM		
SubDirectory	VN081325	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135108
Initial Calibration Stds	
CCC	VP135109,VP135110
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087524.D	13 Aug 2025 09:04	JC\MD	Ok
2	VSTDCCC050	VN087525.D	13 Aug 2025 10:57	JC\MD	Ok,M
3	VN0813MBL01	VN087526.D	13 Aug 2025 11:19	JC\MD	Ok
4	VN0813WBL01	VN087527.D	13 Aug 2025 11:41	JC\MD	Ok
5	VN0813WBS01	VN087528.D	13 Aug 2025 12:39	JC\MD	Ok,M
6	PB169213TB	VN087529.D	13 Aug 2025 13:01	JC\MD	Ok
7	VN0813WBSD01	VN087530.D	13 Aug 2025 13:23	JC\MD	Ok,M
8	Q2816-05DL	VN087531.D	13 Aug 2025 13:45	JC\MD	Ok
9	Q2816-01DL	VN087532.D	13 Aug 2025 14:07	JC\MD	Ok
10	Q2816-08	VN087533.D	13 Aug 2025 14:29	JC\MD	Ok
11	Q2825-02RE	VN087534.D	13 Aug 2025 14:51	JC\MD	Not Ok
12	Q2825-01	VN087535.D	13 Aug 2025 15:14	JC\MD	Ok,M
13	Q2808-04RE	VN087536.D	13 Aug 2025 15:36	JC\MD	Confirms
14	Q2827-04RE	VN087537.D	13 Aug 2025 15:58	JC\MD	Confirms
15	Q2732-01	VN087538.D	13 Aug 2025 16:21	JC\MD	Ok
16	Q2832-02	VN087539.D	13 Aug 2025 16:43	JC\MD	ReRun
17	Q2832-04	VN087540.D	13 Aug 2025 17:05	JC\MD	ReRun
18	Q2832-06	VN087541.D	13 Aug 2025 17:27	JC\MD	Ok
19	Q2832-08	VN087542.D	13 Aug 2025 17:50	JC\MD	Ok
20	Q2832-10	VN087543.D	13 Aug 2025 18:12	JC\MD	Ok
21	Q2836-01	VN087544.D	13 Aug 2025 18:34	JC\MD	ReRun

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081325

Review By	John Carlone	Review On	8/14/2025 9:03:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:14 AM		
SubDirectory	VN081325	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135108
Initial Calibration Stds	
CCC	VP135109,VP135110
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2836-05	VN087545.D	13 Aug 2025 18:56	JC\MD	ReRun
23	Q2836-09	VN087546.D	13 Aug 2025 19:18	JC\MD	ReRun
24	Q2836-13	VN087547.D	13 Aug 2025 19:40	JC\MD	ReRun
25	Q2838-04	VN087548.D	13 Aug 2025 20:02	JC\MD	ReRun
26	Q2838-08	VN087549.D	13 Aug 2025 20:24	JC\MD	ReRun
27	VSTDCCC050	VN087550.D	13 Aug 2025 20:46	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 # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087327.D	16 Jul 2025 16:10		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087328.D	16 Jul 2025 17:05		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN087329.D	16 Jul 2025 17:27	% d fail for com.#10 in 5 ppb	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087330.D	16 Jul 2025 17:49	LR- 10,20	JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	QR- 56	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087332.D	16 Jul 2025 18:32		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087333.D	16 Jul 2025 18:54		JC\MD	Ok,M
8	IBLK	IBLK	VN087334.D	16 Jul 2025 19:16		JC\MD	Ok
9	VSTDICV050	ICVVN071625	VN087335.D	16 Jul 2025 19:59		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081325

Review By	John Carlone	Review On	8/14/2025 9:03:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:14 AM		
SubDirectory	VN081325	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135108
Initial Calibration Stds	
CCC	VP135109,VP135110
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	VN087524.D	13 Aug 2025 09:04		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087525.D	13 Aug 2025 10:57	pH#Lot#V12668	JC\MD	Ok,M
3	VN0813MBL01	VN0813MBL01	VN087526.D	13 Aug 2025 11:19		JC\MD	Ok
4	VN0813WBL01	VN0813WBL01	VN087527.D	13 Aug 2025 11:41		JC\MD	Ok
5	VN0813WBS01	VN0813WBS01	VN087528.D	13 Aug 2025 12:39		JC\MD	Ok,M
6	PB169213TB	PB169213TB	VN087529.D	13 Aug 2025 13:01		JC\MD	Ok
7	VN0813WBSD01	VN0813WBSD01	VN087530.D	13 Aug 2025 13:23		JC\MD	Ok,M
8	Q2816-05DL	1057-MW-03A(17)DL	VN087531.D	13 Aug 2025 13:45	vial B pH<2	JC\MD	Ok
9	Q2816-01DL	1055-MW-01(23)DL	VN087532.D	13 Aug 2025 14:07	vial B pH<2	JC\MD	Ok
10	Q2816-08	1060-FB080725	VN087533.D	13 Aug 2025 14:29	vial B pH<2 FB	JC\MD	Ok
11	Q2825-02RE	FBRE	VN087534.D	13 Aug 2025 14:51	FB;For Confirmation	JC\MD	Not Ok
12	Q2825-01	TW1	VN087535.D	13 Aug 2025 15:14	vial B pH<2	JC\MD	Ok,M
13	Q2808-04RE	TP-7RE	VN087536.D	13 Aug 2025 15:36	vial B pH#5.0 Surrogate fail	JC\MD	Confirms
14	Q2827-04RE	TP-8RE	VN087537.D	13 Aug 2025 15:58	vial B pH#5.0 Surrogate fail	JC\MD	Confirms
15	Q2732-01	WC-A7-01-G	VN087538.D	13 Aug 2025 16:21	vial A pH#5.0	JC\MD	Ok
16	Q2832-02	TG-S01	VN087539.D	13 Aug 2025 16:43	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
17	Q2832-04	TG-S02	VN087540.D	13 Aug 2025 17:05	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
18	Q2832-06	TG-S03	VN087541.D	13 Aug 2025 17:27	vial A pH#5.0	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081325

Review By	John Carlone	Review On	8/14/2025 9:03:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:14 AM		
SubDirectory	VN081325	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135108
Initial Calibration Stds	
CCC	VP135109,VP135110
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2832-08	TG-S04	VN087542.D	13 Aug 2025 17:50	vial A pH#5.0	JC\MD	Ok
20	Q2832-10	TG-S05	VN087543.D	13 Aug 2025 18:12	vial A pH#5.0	JC\MD	Ok
21	Q2836-01	WC-A2-15-G	VN087544.D	13 Aug 2025 18:34	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
22	Q2836-05	WC-A2-16-G	VN087545.D	13 Aug 2025 18:56	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
23	Q2836-09	WC-A2-17-G	VN087546.D	13 Aug 2025 19:18	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
24	Q2836-13	WC-A5-02-G	VN087547.D	13 Aug 2025 19:40	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
25	Q2838-04	TP-11	VN087548.D	13 Aug 2025 20:02	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
26	Q2838-08	TP-10	VN087549.D	13 Aug 2025 20:24	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
27	VSTDCCC050	VSTDCCC050EC	VN087550.D	13 Aug 2025 20:46		JC\MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169213

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 60828725

Start Prep Date : 08/12/2025 **Time :** 17:00

End Prep Date : 08/13/2025 **Time :** 10:35

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 20

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : RM

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112804
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	430992	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leck checked after 10 minutes of tumbling. TUMBLER ZHE-1 / ZHE-2 checked, 30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/13/25 11:40	JP Room	JC VOC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169213

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169213TB	LEB213	13	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2
Q2732-01	WC-A7-01-G	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2832-02	TG-S01	02	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2832-04	TG-S02	03	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2832-06	TG-S03	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2832-08	TG-S04	05	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2832-10	TG-S05	06	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2836-01	WC-A2-15-G	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2836-05	WC-A2-16-G	08	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2836-09	WC-A2-17-G	09	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2836-13	WC-A5-02-G	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2838-04	TP-11	11	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2838-08	TP-10	12	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB169213

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169213TB	LEB213	N/A	N/A	N/A	N/A	N/A	N/A
Q2732-01	WC-A7-01-G	N/A	N/A	N/A	N/A	100	N/A
Q2832-02	TG-S01	N/A	N/A	N/A	N/A	100	N/A
Q2832-04	TG-S02	N/A	N/A	N/A	N/A	100	N/A
Q2832-06	TG-S03	N/A	N/A	N/A	N/A	100	N/A
Q2832-08	TG-S04	N/A	N/A	N/A	N/A	100	N/A
Q2832-10	TG-S05	N/A	N/A	N/A	N/A	100	N/A
Q2836-01	WC-A2-15-G	N/A	N/A	N/A	N/A	100	N/A
Q2836-05	WC-A2-16-G	N/A	N/A	N/A	N/A	100	N/A
Q2836-09	WC-A2-17-G	N/A	N/A	N/A	N/A	100	N/A
Q2836-13	WC-A5-02-G	N/A	N/A	N/A	N/A	100	N/A
Q2838-04	TP-11	N/A	N/A	N/A	N/A	100	N/A
Q2838-08	TP-10	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q2832 **WorkList ID :** 191221 **Department :** TCLP Extraction **Date :** 08-12-2025 11:53:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2732-01	WC-A7-01-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J21	08/12/2025	1311 ZHE
Q2832-02	TG-S01	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311 ZHE
Q2832-04	TG-S02	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311 ZHE
Q2832-06	TG-S03	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311 ZHE
Q2832-08	TG-S04	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311 ZHE
Q2832-10	TG-S02	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06		08/11/2025	1311 ZHE
Q2836-01	WC-A2-15-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/12/2025	1311 ZHE
Q2836-05	WC-A2-16-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311 ZHE
Q2836-09	WC-A2-17-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311 ZHE
Q2836-13	WC-A5-02-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311 ZHE
Q2838-04	TP-11	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D21	08/12/2025	1311 ZHE
Q2838-08	TP-10	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D21	08/12/2025	1311 ZHE

Date/Time 08/12/25 14:30
Raw Sample Received by: BB (WC)
Raw Sample Relinquished by: CP SM

Date/Time 08/12/25 18:00
Raw Sample Received by: CP SM
Raw Sample Relinquished by: BB WC

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q 2732

COC Number: 2042113

CLIENT INFORMATION

COMPANY: **ENTACT, LLC**
ADDRESS: **150 Bay Street, Suite 806**
CITY: **Jersey City** STATE: **NJ** ZIP: **07302**
ATTENTION: **Austin Farmerie**
PHONE: **412-716-1366** FAX:

PROJECT INFORMATION

PROJECT NAME: **540 Degraw St Brooklyn, NY**
PROJECT #: **E9309** LOCATION: **Brooklyn, NY**
PROJECT MANAGER: Austin Farmerie
E-MAIL: **afarmerie@entact.com**
PHONE: **412-716-1366** FAX:

BILLING INFORMATION

BILL TO: **ENTACT, LLC** PO# **E9309**
ADDRESS: **999 Oakmont Plaza Drive, Suite 300**
CITY: **Westmont** STATE: **IL** ZIP: **60559**
ATTENTION: **Wendy Murray** PHONE: **800-936-8228**

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: DAYS*
EDD 3 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

1	2	3	4	5	6	7	8	9
TCLP VOCs	TCLP ICP Metals + Cu, Ni, Zn	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH *	I/C/R	PCBs	Oil & Grease

* For TCLP pH - include preparatory information for TCLP leachate

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.	WC-A7-01-G	Soil		X	8/12	12:00	1	X									<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
2.	WC-A7-01-C	Soil	X		8/12	12:00	11		X	X	X	X	X	X	X	X	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER 1. **Austin Farmerie**	DATE/TIME 1211 8-12-25	RECEIVED BY 1. 1211 8.12.25	**Conditions of bottles or coolers at receipt:** ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.2 ☐ Ice in Cooler?: **Comments:**
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2	
RELINQUISHED BY 3.	DATE/TIME 1414 8.12.25	RECEIVED FOR LAB BY 3.	Page of

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

Alliance TECHNICAL GROUP

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CHAIN OF CUSTODY RECORD

Alliance Project Number:

COC Number: 2042113

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CITY **Jersey City** STATE: **NJ** ZIP: **07302**
ATTENTION: **Austin Farmerie**
PHONE: **412-716-1366** FAX:

PROJECT INFORMATION

PROJECT NAME: **540 Degraw St Brooklyn, NY**
PROJECT #: **E9309** LOCATION: **Brooklyn, NY**
PROJECT MANAGER: **Austin Farmerie**
E-MAIL: **afarmerie@entact.com**
PHONE: **412-716-1366** FAX:

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BILL TO: **ENTACT, LLC** PO# **E9309**
ADDRESS: **999 Oakmont Plaza Drive, Suite 300**
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HARD COPY:_____ DAYS*
EDD_____3_____ DAYS*
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STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format_____
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other_____

ANALYSIS

ASTM COD	ASTM Ammonia Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH (9045D)	Paint Filter		
10	11	12	13	14	15	16		

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
								E	E	E	E	E	E	E			<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	WC-A7-01-G	Soil		X	8/12	12:00	1										
2.	WC-A7-01-C	Soil	X		8/12	12:00	11	X	X	X	X	X	X	X			
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

	DATE/TIME		
RELINQUISHED BY SAMPLER 1. **Austin Farmerie**	8-12-21 1211	RECEIVED BY 1.	8.12.25 1211
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	8-12-25 1414	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 5.1°
☐ Ice in Cooler?:_____

Comments:

Page_____of_____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

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

Laboratory Certification

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

QA Control Code: A2070148