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

Cover Page

Order ID : Q1627

Project ID : DOT Harper Street Yard - North Side

Client : Tully Construction Co., Inc.

Lab Sample Number	Client Sample Number
Q1627-01	GRID-LINE-1.2-NORTH

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: 3/26/2025

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1627**

	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:** **03/26/2025**

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

LAB CHRONICLE

OrderID:	Q1627	**OrderDate:**	3/21/2025 1:34:14 PM
Client:	Tully Construction Co., Inc.	**Project:**	DOT Harper Street Yard - North Side
Contact:	Dean Devoe	**Location:**	I41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1627-01	**GRID-LINE-1.2-NORTH**	**TCLP**			**03/20/25**			**03/21/25**
			TCLP VOA	8260D			03/25/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1627

Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**GRID-LINE-1.2-NORTH**							
Q1627-01	GRID-LINE-1.2-NC	TCLP	2-Butanone	9.70	J	0.98	25.0	ug/L
			Total Voc :	9.70				
			Total Concentration:	9.70				

QC SUMMARY

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

Surrogate Summary

SDG No.: Q1627

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1627-01	GRID-LINE-1.2-NORTH	1,2-Dichloroethane-d4	50	56.1	112	74	125
		Dibromofluoromethane	50	52.3	105	75	124
		Toluene-d8	50	51.9	104	86	113
		4-Bromofluorobenzene	50	45.1	90	77	121

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

Surrogate Summary

SDG No.: Q1627

Client: Tully Construction Co., Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN0325WBL01	VN0325WBL01	1,2-Dichloroethane-d4	50	53.7	107	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	47.6	95	86	113
		4-Bromofluorobenzene	50	43.0	86	77	121
VN0325WBS01	VN0325WBS01	1,2-Dichloroethane-d4	50	51.8	104	74	125
		Dibromofluoromethane	50	53.1	106	75	124
		Toluene-d8	50	53.9	108	86	113
		4-Bromofluorobenzene	50	52.2	104	77	121
VN0325WBSD0	VN0325WBSD01	1,2-Dichloroethane-d4	50	52.4	105	74	125
		Dibromofluoromethane	50	51.4	103	75	124
		Toluene-d8	50	52.9	106	86	113
		4-Bromofluorobenzene	50	50.5	101	77	121

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1627

Client: Tully Construction Co., Inc.

Analytical Method: SW8260-Low **Datafile :** VN086094.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0325WBS01	Vinyl chloride	20	20.7	ug/L	104			65	117	
	1,1-Dichloroethene	20	20.6	ug/L	103			74	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	18.6	ug/L	93			77	113	
	Chloroform	20	20.4	ug/L	102			79	113	
	Benzene	20	20.8	ug/L	104			82	109	
	1,2-Dichloroethane	20	20.1	ug/L	101			80	115	
	Trichloroethene	20	18.7	ug/L	94			77	113	
	Tetrachloroethene	20	20.1	ug/L	101			67	123	
	Chlorobenzene	20	19.9	ug/L	100			82	109	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1627

Client: Tully Construction Co., Inc.

Analytical Method: SW8260-Low **Datafile :** VN086106.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0325WBSD01	Vinyl chloride	20	20.3	ug/L	102	2		65	117	20
	1,1-Dichloroethene	20	19.2	ug/L	96	7		74	110	20
	2-Butanone	100	87.6	ug/L	88	22	*	65	122	20
	Carbon Tetrachloride	20	18.1	ug/L	91	2		77	113	20
	Chloroform	20	19.7	ug/L	99	3		79	113	20
	Benzene	20	19.5	ug/L	98	6		82	109	20
	1,2-Dichloroethane	20	18.5	ug/L	93	8		80	115	20
	Trichloroethene	20	17.5	ug/L	88	7		77	113	20
	Tetrachloroethene	20	16.9	ug/L	85	17		67	123	20
	Chlorobenzene	20	18.7	ug/L	94	6		82	109	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0325WBL01

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1627 SAS No.: Q1627 SDG NO.: Q1627

Lab File ID: VN086092.D Lab Sample ID: VN0325WBL01

Date Analyzed: 03/25/2025 Time Analyzed: 11:26

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
VN0325WBS01	VN0325WBS01	VN086094.D	03/25/2025
VN0325WBSD01	VN0325WBSD01	VN086106.D	03/25/2025
GRID-LINE-1.2-NORTH	Q1627-01	VN086112.D	03/25/2025

COMMENTS:

Raw Data: **VN085994.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1627 SAS No.: Q1627 SDG NO.: Q1627

Lab File ID: VN085994.D BFB Injection Date: 03/18/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:52

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	15.2
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	87.1
175	5.0 - 9.0% of mass 174	6.7 (7.7) 1
176	95.0 - 101.0% of mass 174	83.7 (96.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085996.D	03/18/2025	11:44
VSTDICCC050	VSTDICCC050	VN085997.D	03/18/2025	12:08
VSTDICC020	VSTDICC020	VN085998.D	03/18/2025	12:32
VSTDICC010	VSTDICC010	VN085999.D	03/18/2025	12:57
VSTDICC005	VSTDICC005	VN086000.D	03/18/2025	13:21
VSTDICC001	VSTDICC001	VN086001.D	03/18/2025	14:09

Alliance TECHNICAL GROUP

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1627 SAS No.: Q1627 SDG NO.: Q1627

Lab File ID: VN086089.D BFB Injection Date: 03/25/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:39

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	45
75	30.0 - 60.0% of mass 95	1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	1
173	Less than 2.0% of mass 174	50 (5000) 1
174	50.0 - 100.0% of mass 95	1
175	5.0 - 9.0% of mass 174	100 (10000) 1
176	95.0 - 101.0% of mass 174	7 (700) 1
177	5.0 - 9.0% of mass 176	20 (285.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086090.D	03/25/2025	10:27
VN0325WBL01	VN0325WBL01	VN086092.D	03/25/2025	11:26
VN0325WBS01	VN0325WBS01	VN086094.D	03/25/2025	12:39
VN0325WBSD01	VN0325WBSD01	VN086106.D	03/25/2025	17:28
GRID-LINE-1.2-NORTH	Q1627-01	VN086112.D	03/25/2025	19:52

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1627 SAS No.: Q1627 SDG NO.: Q1627

Lab File ID: VN086090.D Date Analyzed: 03/25/2025

Instrument ID: MSVOA_N Time Analyzed: 10:27

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	231359	8.22	376282	9.10	346115	11.87
UPPER LIMIT	462718	8.724	752564	9.6	692230	12.365
LOWER LIMIT	115680	7.724	188141	8.6	173058	11.365
EPA SAMPLE NO.						
GRID-LINE-1.2-NORTH	166171	8.22	310861	9.10	301467	11.87
VN0325WBL01	201384	8.22	370671	9.10	325680	11.87
VN0325WBS01	200228	8.22	324541	9.10	286017	11.87
VN0325WBSD01	194343	8.22	321428	9.10	280205	11.87

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1627 SAS No.: Q1627 SDG NO.: Q1627

Lab File ID: VN086090.D Date Analyzed: 03/25/2025

Instrument ID: MSVOA_N Time Analyzed: 10:27

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

	IS4 AREA #	RT #				
12 HOUR STD	181838	13.788				
UPPER LIMIT	363676	14.288				
LOWER LIMIT	90919	13.288				
EPA SAMPLE NO.						
GRID-LINE-1.2-NORTH	114842	13.79				
VN0325WBL01	130926	13.79				
VN0325WBS01	139430	13.79				
VN0325WBSD01	140993	13.79				

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

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	03/20/25
Project:	DOT Harper Street Yard - North Side	Date Received:	03/21/25
Client Sample ID:	GRID-LINE-1.2-NORTH	SDG No.:	Q1627
Lab Sample ID:	Q1627-01	Matrix:	TCLP
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VN086112.D	1		03/25/25 19:52	VN032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	9.70	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.1		74 - 125	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.9		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		77 - 121	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	8.224			
540-36-3	1,4-Difluorobenzene	311000	9.1			
3114-55-4	Chlorobenzene-d5	301000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

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\VN032525\
Data File : VN086112.D
Acq On : 25 Mar 2025 19:52
Operator : JC\MD
Sample : Q1627-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

Quant Time: Mar 26 03:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127560	56.059	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.120%			
35) Dibromofluoromethane	8.165	113	113467	52.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.580%			
50) Toluene-d8	10.565	98	408682	51.898	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.800%			
62) 4-Bromofluorobenzene	12.847	95	126597	45.078	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.160%			
Target Compounds						Qvalue
16) Acetone	4.424	43	63900	91.920	ug/l	97
20) Methylene Chloride	5.277	84	4653	2.288	ug/l #	90
25) 2-Butanone	7.483	43	9771	9.741	ug/l	88
43) Isopropyl Acetate	8.682	43	21527	4.122	ug/l #	64

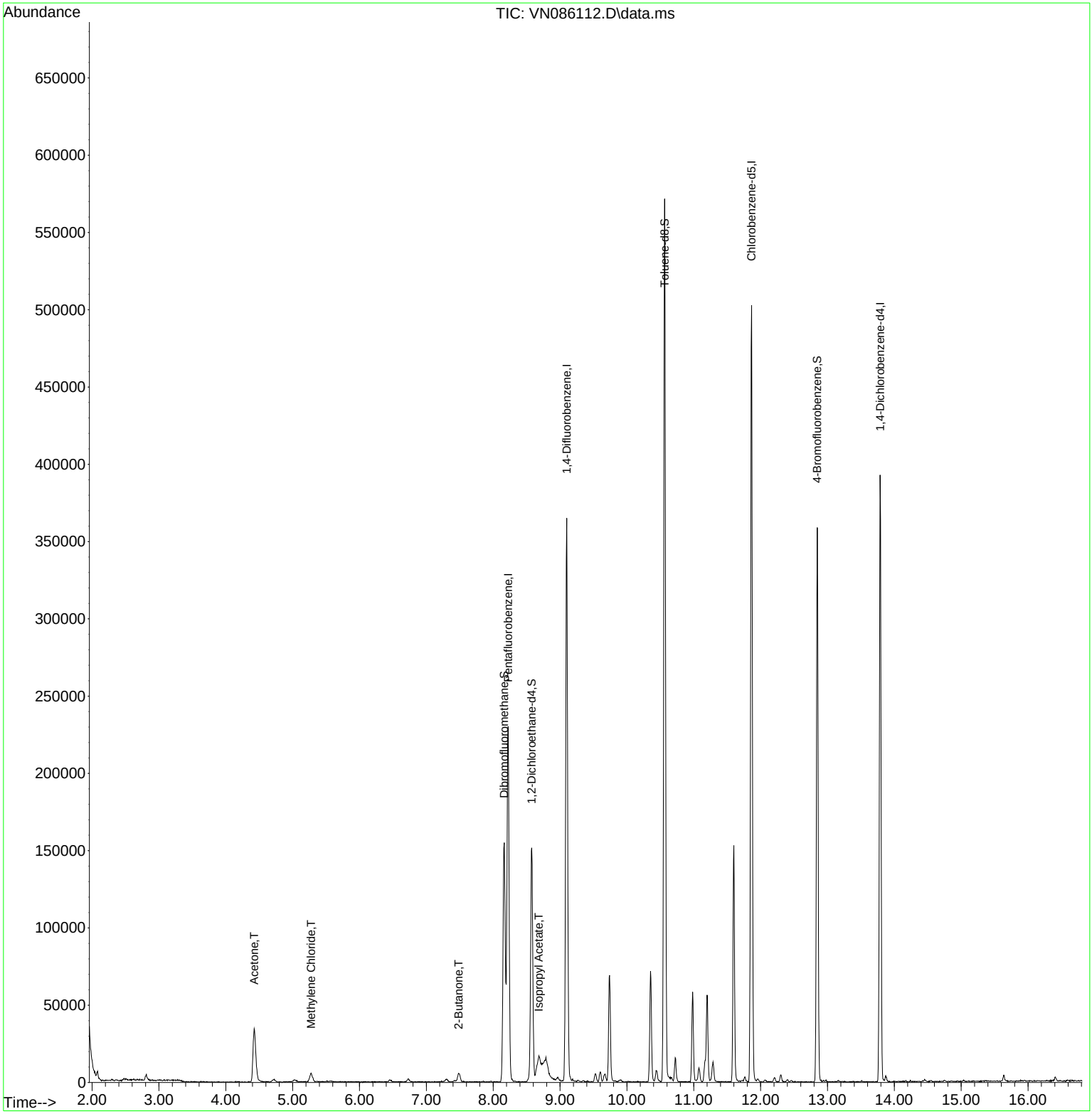
(#) = qualifier out of range (m) = manual integration (+) = signals summed

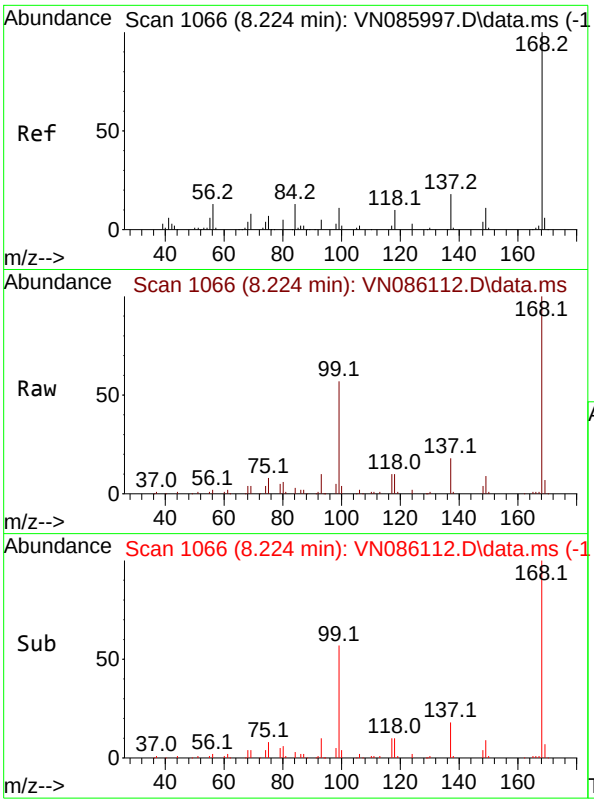
Sample Results: **VN086112.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086112.D
Acq On : 25 Mar 2025 19:52
Operator : JC\MD
Sample : Q1627-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

Quant Time: Mar 26 03:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



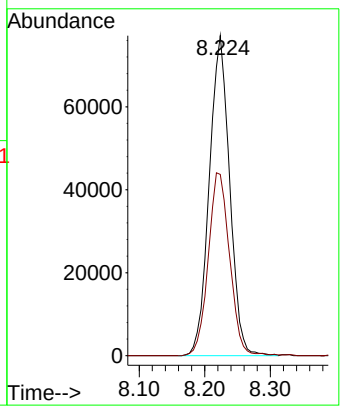


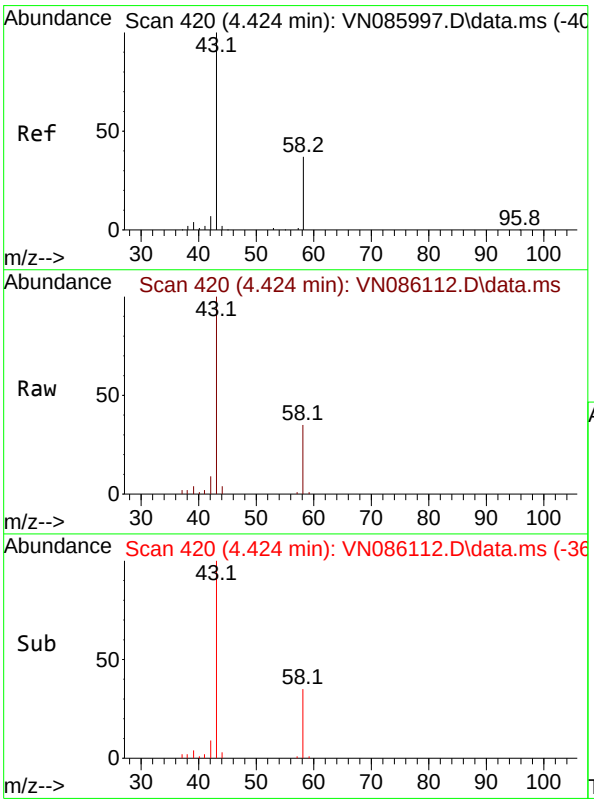
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

Tgt Ion:168 Resp: 166171

Ion	Ratio	Lower	Upper
168	100		
99	56.6	49.4	74.2

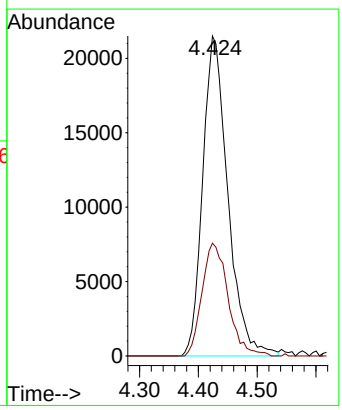


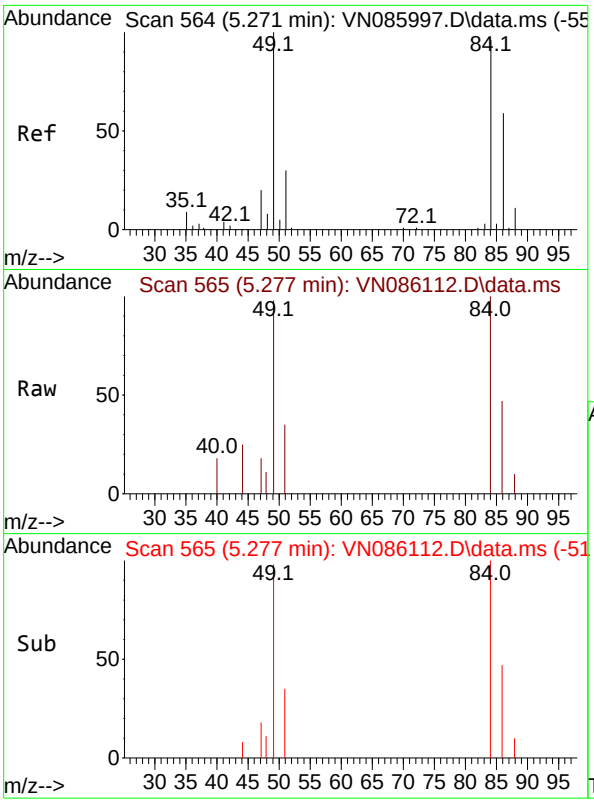


#16
Acetone
Concen: 91.920 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 43 Resp: 63900

Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.4	44.2



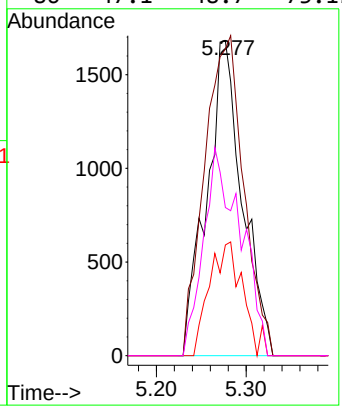


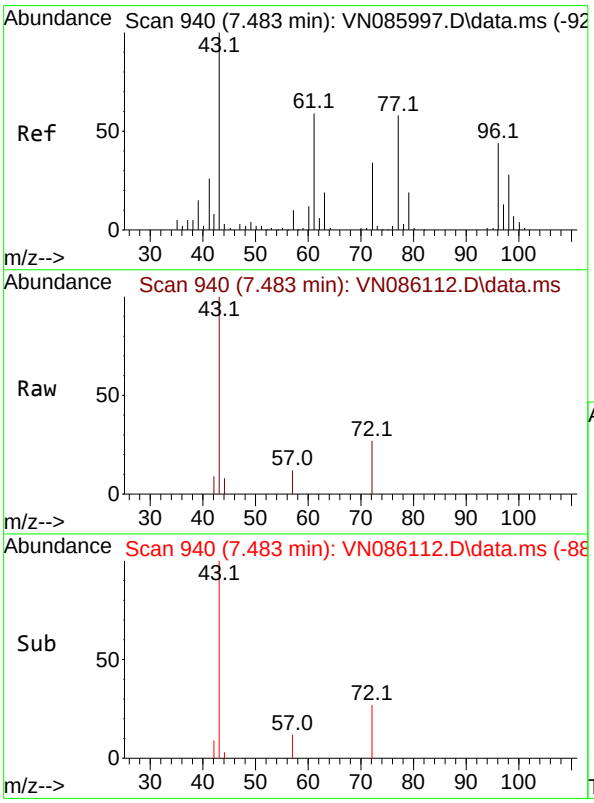
#20
Methylene Chloride
Concen: 2.288 ug/l
RT: 5.277 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

Tgt Ion: 84 Resp: 4653

Ion	Ratio	Lower	Upper
84	100		
49	97.6	83.3	124.9
51	35.2	24.8	37.2
86	47.1	48.7	73.1#

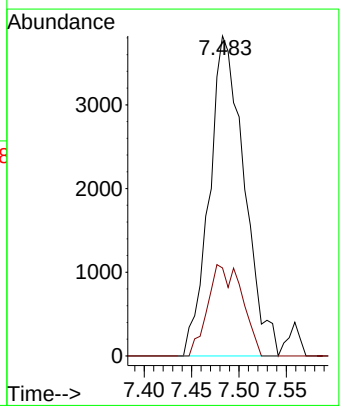


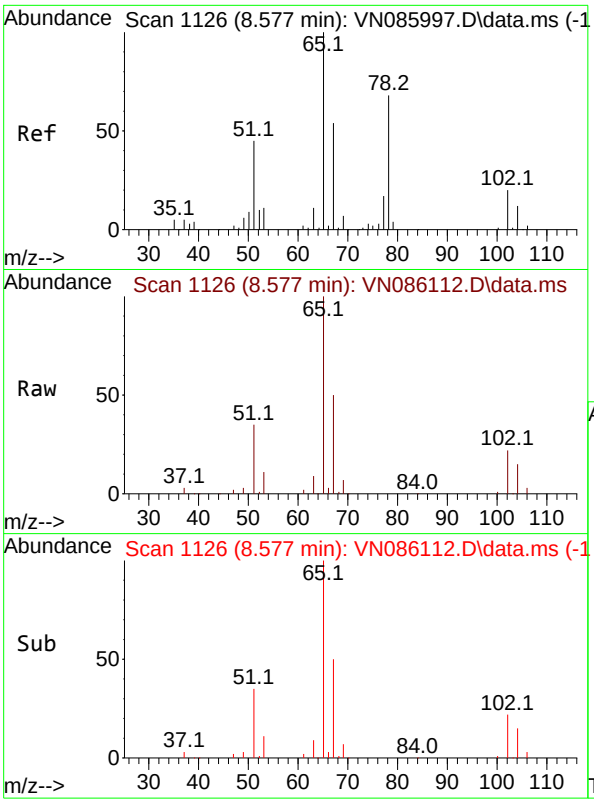


#25
2-Butanone
Concen: 9.741 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 43 Resp: 9771

Ion	Ratio	Lower	Upper
43	100		
72	27.5	27.4	41.0



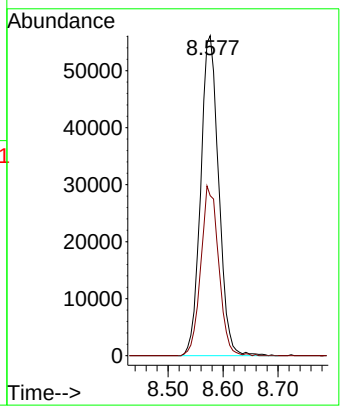


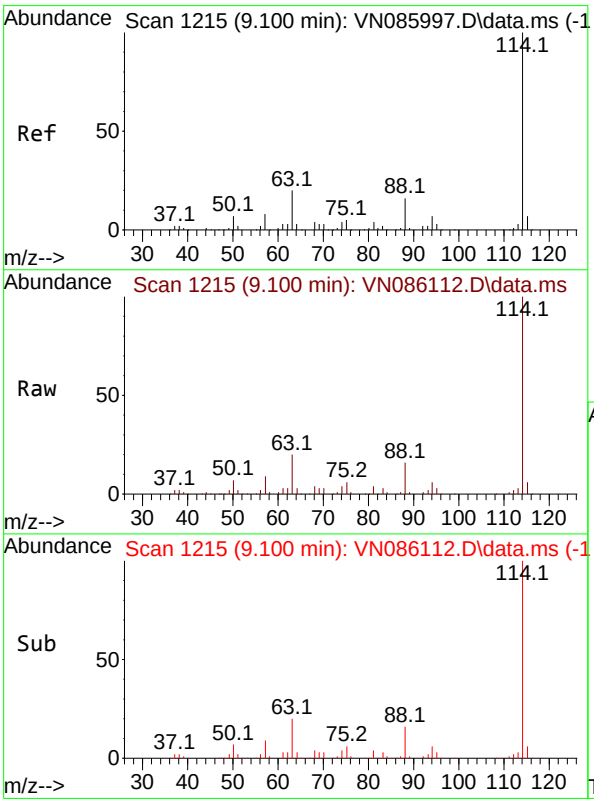
#33
1,2-Dichloroethane-d4
Concen: 56.059 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

Tgt Ion: 65 Resp: 127560

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.2

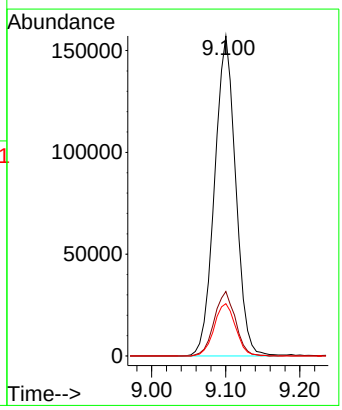


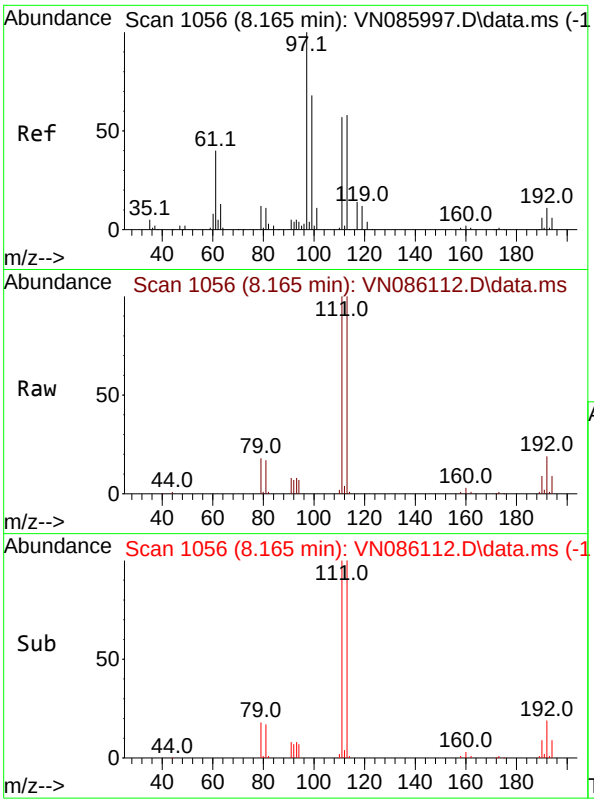


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion:114 Resp: 310861

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.4	0.0	32.6



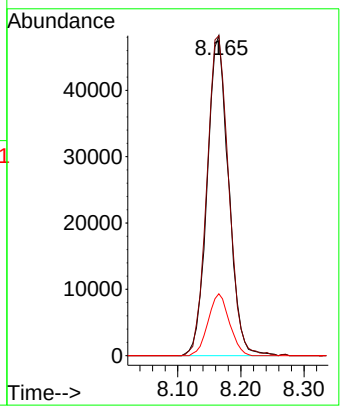


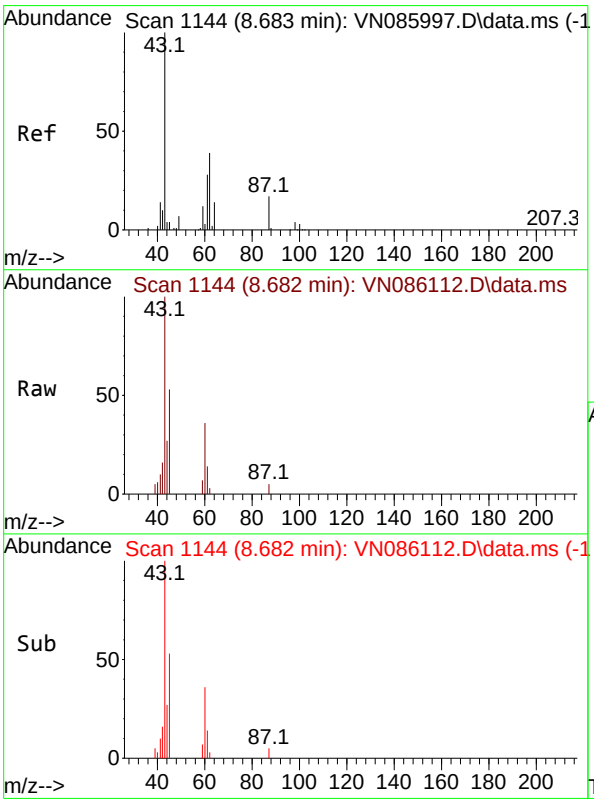
#35
Dibromofluoromethane
Concen: 52.294 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

Tgt Ion:113 Resp: 113467

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	19.3	15.9	23.9

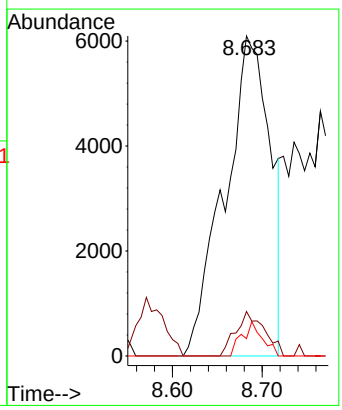


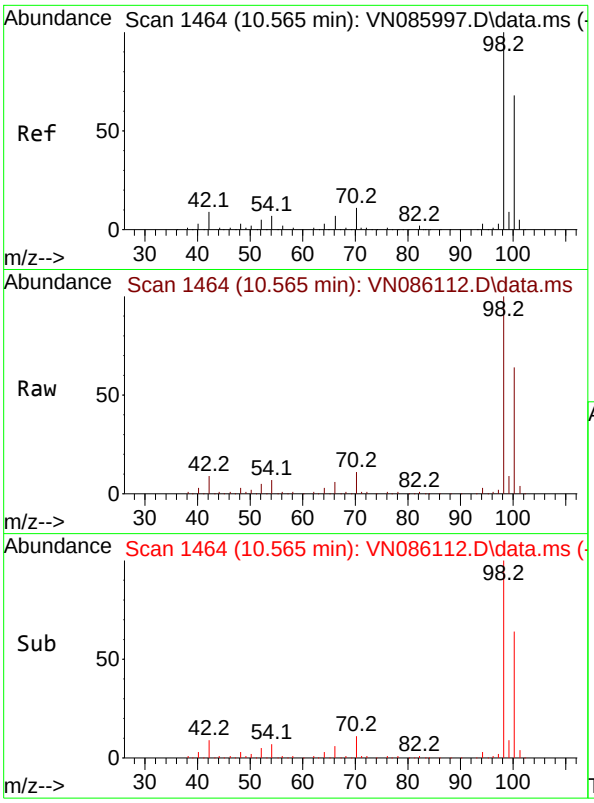


#43
Isopropyl Acetate
Concen: 4.122 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 43 Resp: 21527

Ion	Ratio	Lower	Upper
43	100		
61	8.7	25.0	37.6#
87	4.8	13.0	19.4#



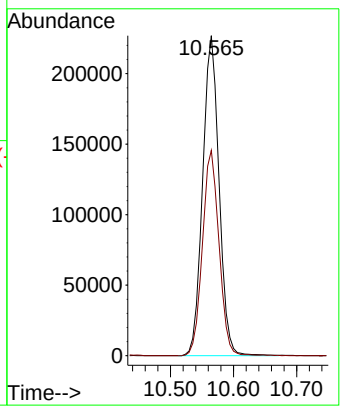


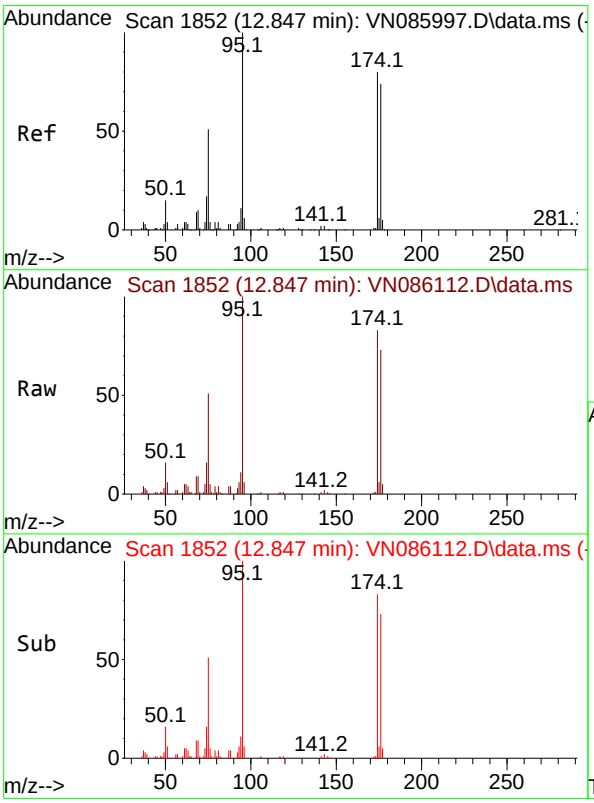
#50
Toluene-d8
Concen: 51.898 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

Tgt Ion: 98 Resp: 408682

Ion	Ratio	Lower	Upper
98	100		
100	64.6	53.1	79.7

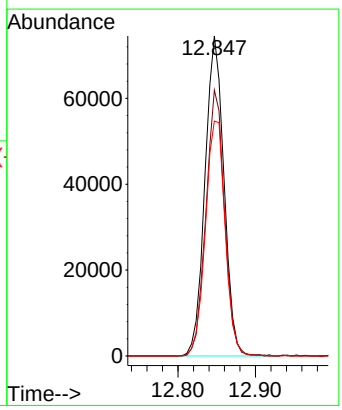


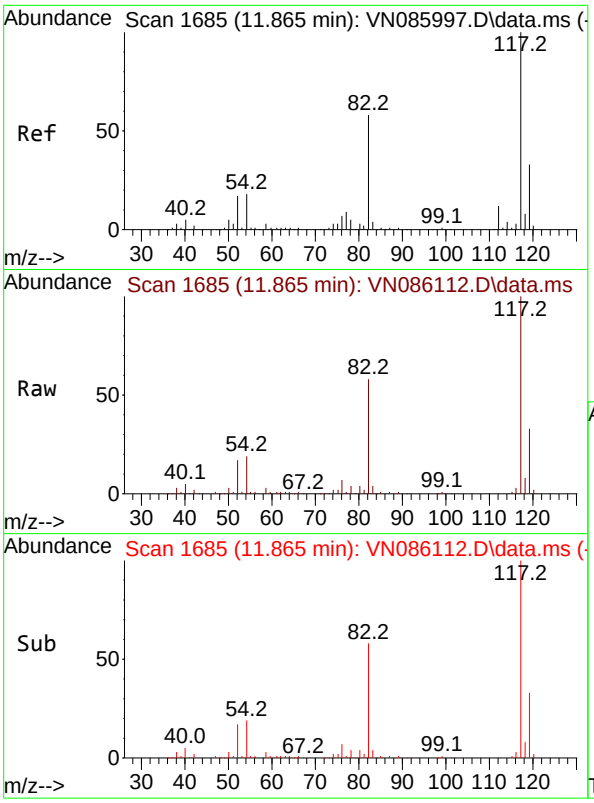


#62
4-Bromofluorobenzene
Concen: 45.078 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 95 Resp: 126597

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	156.8
176	76.4	0.0	152.2



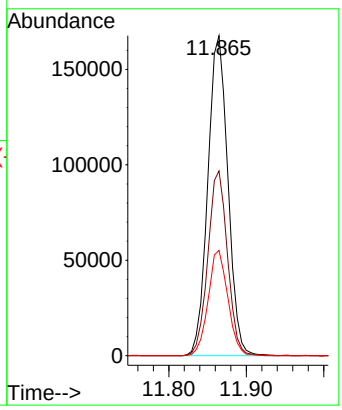


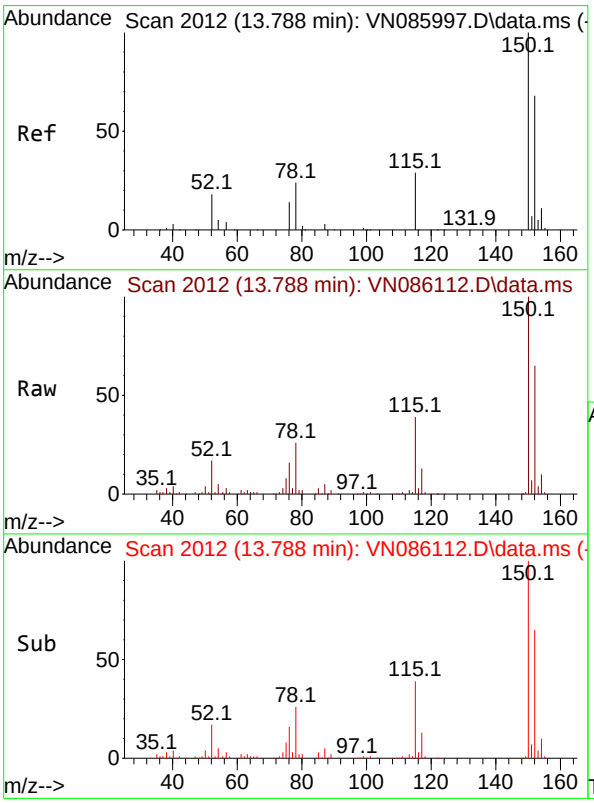
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

Tgt Ion:117 Resp: 301467

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.7	70.1
119	32.9	26.5	39.7

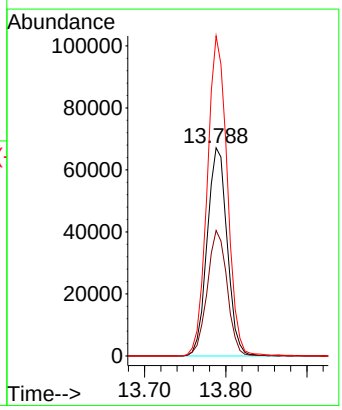




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion:152 Resp: 114842

Ion	Ratio	Lower	Upper
152	100		
115	60.0	31.1	93.2
150	153.8	0.0	359.6



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1627 SAS No.: Q1627 SDG No.: Q1627

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

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

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.622	0.592	0.541	0.581	0.634	0.592	0.594	5.5
1,1-Dichloroethene	0.567	0.516	0.481	0.545	0.550	0.415	0.512	11
2-Butanone	0.331	0.292	0.277	0.297	0.319	0.296	0.302	6.5
Carbon Tetrachloride	0.673	0.578	0.557	0.580	0.613	0.624	0.604	6.9
Chloroform	1.119	1.017	1.011	1.101	1.149	1.245	1.107	7.9
Benzene	1.610	1.393	1.348	1.386	1.453	1.466	1.443	6.5
1,2-Dichloroethane	0.538	0.475	0.462	0.491	0.528	0.521	0.503	6.1
Trichloroethene	0.394	0.346	0.335	0.353	0.380	0.435	0.374	10
Tetrachloroethene	0.407	0.371	0.370	0.390	0.421	0.433	0.399	6.6
Chlorobenzene	1.229	1.085	1.070	1.116	1.156	1.208	1.144	5.7
1,2-Dichloroethane-d4	0.632	0.665	0.669	0.721	0.737		0.685	6.3
Dibromofluoromethane	0.333	0.334	0.347	0.362	0.368		0.349	4.5
Toluene-d8	1.309	1.266	1.253	1.289	1.217		1.267	2.8
4-Bromofluorobenzene	0.514	0.466	0.447	0.440	0.391		0.452	9.8

* 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 : 82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025
Response Via : Initial Calibration

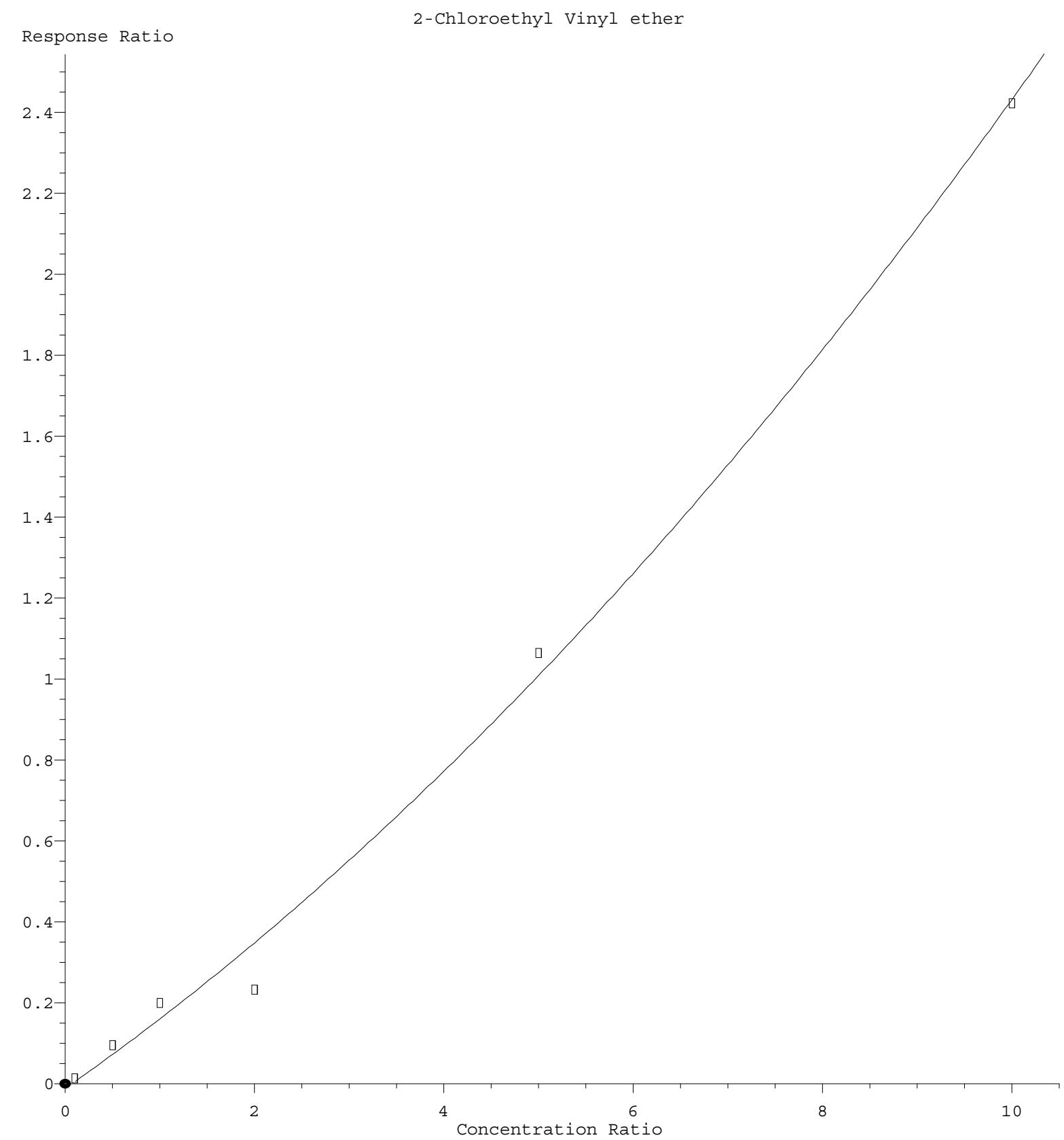
Calibration Files
1 =VN086001.D 5 =VN086000.D 10 =VN085999.D 20 =VN085998.D 50 =VN085997.D 100 =VN085996.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.678	0.697	0.649	0.600	0.643	0.707	0.662	6.01
3)	P	Chloromethane	0.683	0.612	0.544	0.514	0.557	0.575	0.581	10.29
4)	C	Vinyl Chloride	0.592	0.634	0.581	0.541	0.592	0.622	0.594	5.53#
5)	T	Bromomethane		0.466	0.411	0.377	0.381	0.388	0.404	9.16
6)	T	Chloroethane	0.446	0.403	0.378	0.334	0.330	0.355	0.375	11.93
7)	T	Trichlorofluor...	1.267	1.107	1.035	0.959	0.977	1.059	1.067	10.48
8)	T	Diethyl Ether	0.336	0.309	0.322	0.315	0.324	0.354	0.327	4.93
9)	T	1,1,2-Trichlor...	0.659	0.590	0.553	0.512	0.515	0.574	0.567	9.66
10)	T	Methyl Iodide		0.766	0.710	0.681	0.728	0.811	0.739	6.80
11)	T	Tert butyl alc...		0.108	0.097	0.091	0.094	0.094	0.097	6.70
12)	CM	1,1-Dichloroet...	0.415	0.550	0.545	0.481	0.516	0.567	0.512	11.02#
13)	T	Acrolein		0.115	0.099	0.104	0.100	0.099	0.103	6.75
14)	T	Allyl chloride	0.664	0.684	0.615	0.572	0.617	0.683	0.639	7.03
15)	T	Acrylonitrile	0.252	0.271	0.255	0.245	0.248	0.266	0.256	4.01
16)	T	Acetone	0.223	0.213	0.195	0.179	0.194	0.251	0.209	12.36
17)	T	Carbon Disulfide	2.107	1.765	1.610	1.467	1.510	1.649	1.685	13.78
18)	T	Methyl Acetate	0.667	0.542	0.504	0.434	0.469	0.488	0.518	15.79
19)	T	Methyl tert-bu...	1.673	1.638	1.604	1.578	1.691	1.888	1.679	6.61
20)	T	Methylene Chlo...	0.731	0.639	0.572	0.551	0.565	0.613	0.612	10.93
21)	T	trans-1,2-Dich...	0.591	0.564	0.546	0.521	0.534	0.603	0.560	5.81
22)	T	Diisopropyl ether	1.166	1.387	1.394	1.317	1.378	1.528	1.362	8.68
23)	T	Vinyl Acetate	0.866	1.023	1.017	1.024	1.067	1.196	1.032	10.24
24)	P	1,1-Dichloroet...	1.130	1.032	0.968	0.908	0.949	1.023	1.001	7.79
25)	T	2-Butanone	0.296	0.319	0.297	0.277	0.292	0.331	0.302	6.50
26)	T	2,2-Dichloropr...	1.004	1.017	0.925	0.880	0.926	1.032	0.964	6.41
27)	T	cis-1,2-Dichlo...	0.632	0.656	0.617	0.591	0.633	0.688	0.636	5.25
28)	T	Bromochloromet...	0.521	0.430	0.404	0.398	0.391	0.403	0.424	11.60
29)	T	Tetrahydrofuran	0.152	0.197	0.189	0.183	0.194	0.204	0.186	9.74
30)	C	Chloroform	1.245	1.149	1.101	1.011	1.017	1.119	1.107	7.90#
31)	T	Cyclohexane		0.957	0.854	0.765	0.799	0.890	0.853	8.87
32)	T	1,1,1-Trichlor...	1.124	1.097	1.025	0.962	0.986	1.093	1.048	6.32
33)	S	1,2-Dichloroet...		0.737	0.721	0.669	0.665	0.632	0.685	6.30
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.368	0.362	0.347	0.334	0.333	0.349	4.54
36)	T	1,1-Dichloropr...	0.457	0.454	0.443	0.421	0.454	0.528	0.460	7.89
37)	T	Ethyl Acetate	0.388	0.412	0.393	0.366	0.367	0.400	0.388	4.65
38)	T	Carbon Tetrach...	0.624	0.613	0.580	0.557	0.578	0.673	0.604	6.90
39)	T	Methylcyclohexane	0.438	0.426	0.399	0.419	0.475	0.579	0.456	14.34
40)	TM	Benzene	1.466	1.453	1.386	1.348	1.393	1.610	1.443	6.46
41)	T	Methacrylonitrile	0.132	0.188	0.191	0.187	0.193	0.220	0.185	15.66
42)	TM	1,2-Dichloroet...	0.521	0.528	0.491	0.462	0.475	0.538	0.503	6.12
43)	T	Isopropyl Acetate	1.123	0.840	0.886	0.793	0.688	0.711	0.840	18.77
44)	TM	Trichloroethene	0.435	0.380	0.353	0.335	0.346	0.394	0.374	9.98
45)	C	1,2-Dichloropr...	0.309	0.333	0.321	0.319	0.321	0.366	0.328	6.16#
46)	T	Dibromomethane	0.274	0.268	0.251	0.234	0.243	0.279	0.258	7.09
47)	T	Bromodichlorom...	0.537	0.561	0.515	0.506	0.516	0.600	0.539	6.58
48)	T	Methyl methacr...	0.255	0.257	0.265	0.268	0.289	0.328	0.277	9.99
49)	T	1,4-Dioxane	0.005	0.007	0.007	0.006	0.007	0.007	0.007	16.08
50)	S	Toluene-d8		1.217	1.289	1.253	1.266	1.309	1.267	2.78
51)	T	4-Methyl-2-Pen...	0.287	0.369	0.380	0.368	0.385	0.434	0.371	12.88
52)	CM	Toluene	0.727	0.856	0.878	0.862	0.915	1.074	0.885	12.66#
53)	T	t-1,3-Dichloro...	0.446	0.501	0.506	0.504	0.539	0.646	0.524	12.80
54)	T	cis-1,3-Dichlo...	0.464	0.537	0.555	0.533	0.568	0.659	0.553	11.46
55)	T	1,1,2-Trichlor...	0.335	0.338	0.330	0.316	0.327	0.382	0.338	6.72
56)	T	Ethyl methacry...	0.298	0.413	0.445	0.463	0.526	0.633	0.463	24.21

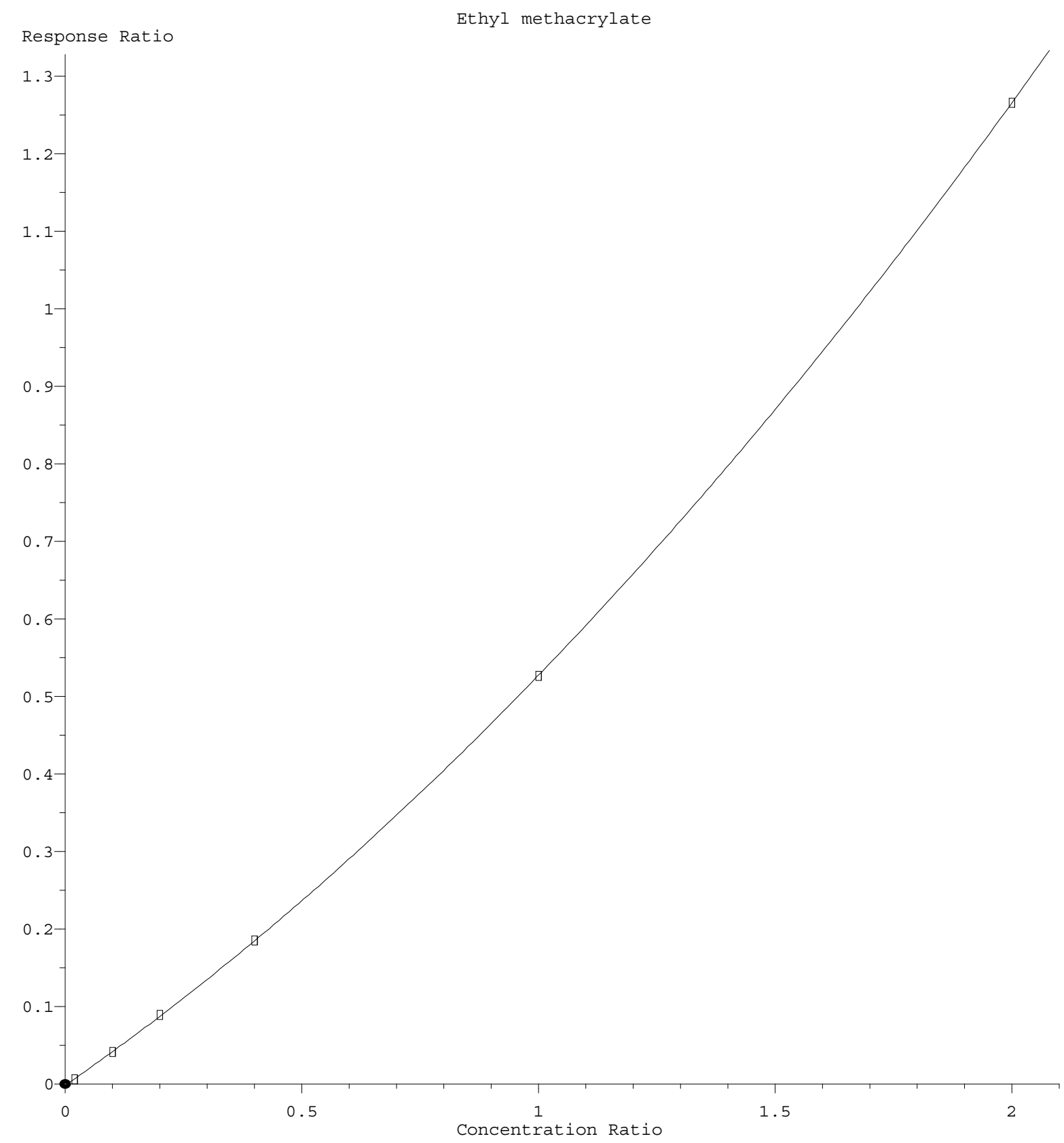
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N031825W.M

57)	T	1,3-Dichloropr...	0.551	0.558	0.571	0.539	0.567	0.657	0.574	7.39
58)	T	2-Chloroethyl ...	0.134	0.190	0.200	0.116	0.213	0.242	0.183	26.31
59)	T	2-Hexanone	0.202	0.261	0.270	0.269	0.284	0.334	0.270	15.74
60)	T	Dibromochlorom...	0.416	0.436	0.422	0.408	0.432	0.503	0.436	7.83
61)	T	1,2-Dibromoethane	0.325	0.337	0.343	0.326	0.351	0.400	0.347	8.01
62)	S	4-Bromofluorob...		0.391	0.440	0.447	0.466	0.514	0.452	9.82
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.433	0.421	0.390	0.370	0.371	0.407	0.399	6.57
65)	PM	Chlorobenzene	1.208	1.156	1.116	1.070	1.085	1.229	1.144	5.69
66)	T	1,1,1,2-Tetrac...	0.445	0.445	0.414	0.388	0.407	0.452	0.425	6.05
67)	C	Ethyl Benzene	1.586	1.755	1.769	1.744	1.918	2.209	1.830	11.67#
68)	T	m/p-Xylenes	0.643	0.660	0.690	0.700	0.756	0.867	0.719	11.40
69)	T	o-Xylene	0.532	0.585	0.645	0.655	0.713	0.831	0.660	15.83
70)	T	Styrene	0.924	1.032	1.044	1.115	1.219	1.431	1.128	15.79
71)	P	Bromoform	0.371	0.355	0.342	0.329	0.345	0.392	0.356	6.39
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.039	3.264	3.470	3.251	3.599	3.863	3.414	8.58
74)	T	N-amyl acetate	0.984	1.098	1.153	1.121	1.220	1.278	1.142	8.93
75)	P	1,1,2,2-Tetrac...	1.311	1.261	1.191	1.041	1.052	1.076	1.155	10.01
76)	T	1,2,3-Trichlor...	0.925	1.264	1.153	1.148	1.157	1.070	1.119	10.14
77)	T	Bromobenzene	1.000	0.994	0.966	0.878	0.910	0.964	0.952	5.10
78)	T	n-propylbenzene	3.148	3.686	3.862	3.774	4.183	4.546	3.866	12.24
79)	T	2-Chlorotoluene	2.335	2.574	2.587	2.473	2.620	2.820	2.568	6.29
80)	T	1,3,5-Trimethy...	2.392	2.639	2.903	2.845	3.118	3.399	2.883	12.25
81)	T	trans-1,4-Dich...		0.397	0.401	0.420	0.414	0.486	0.423	8.50
82)	T	4-Chlorotoluene	2.443	2.567	2.661	2.558	2.696	2.921	2.641	6.19
83)	T	tert-Butylbenzene	2.380	2.278	2.517	2.289	2.547	2.782	2.466	7.76
84)	T	1,2,4-Trimethy...	2.330	2.684	2.944	2.886	3.130	3.472	2.908	13.35
85)	T	sec-Butylbenzene	2.423	3.008	3.247	3.174	3.514	3.932	3.216	15.71
86)	T	p-Isopropyltol...	2.088	2.410	2.688	2.670	3.037	3.443	2.723	17.41
87)	T	1,3-Dichlorobe...	1.688	1.718	1.749	1.614	1.685	1.842	1.716	4.46
88)	T	1,4-Dichlorobe...	2.043	1.907	1.756	1.621	1.667	1.825	1.803	8.71
89)	T	n-Butylbenzene	1.876	1.981	2.079	2.067	2.424	2.876	2.217	16.76
90)	T	Hexachloroethane	0.766	0.648	0.595	0.542	0.582	0.637	0.628	12.37
91)	T	1,2-Dichlorobe...	2.004	1.724	1.673	1.522	1.598	1.716	1.706	9.66
92)	T	1,2-Dibromo-3-...	0.192	0.250	0.266	0.216	0.221	0.240	0.231	11.50
93)	T	1,2,4-Trichlor...	0.899	0.851	0.815	0.779	0.850	0.952	0.858	7.14
94)	T	Hexachlorobuta...	0.579	0.522	0.500	0.454	0.442	0.488	0.498	9.98
95)	T	Naphthalene	2.499	2.211	2.423	2.306	2.606	2.860	2.484	9.30
96)	T	1,2,3-Trichlor...	0.798	0.791	0.794	0.772	0.829	0.900	0.814	5.65

(#) = Out of Range



R = 8.062e-003 A*A + 1.637e-001 A - 1.134e-002
Coef of Det (r^2) = 0.995747 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031825W.M
Calibration Table Last Updated: Wed Mar 19 03:20:56 2025



R = 1.048e-001 A*A + 4.239e-001 A - 1.587e-003
Coef of Det (r^2) = 0.999996 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031825W.M
Calibration Table Last Updated: Wed Mar 19 03:20:56 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	182974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	280238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	231291	92.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 184.620%#			
35) Dibromofluoromethane	8.165	113	186688	95.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 190.880%#			
50) Toluene-d8	10.565	98	733621	103.341	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 206.680%#			
62) 4-Bromofluorobenzene	12.847	95	288124	113.805	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 227.620%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	258760	106.744	ug/l	100
3) Chloromethane	2.359	50	210559	99.080	ug/l	99
4) Vinyl Chloride	2.506	62	227757	104.817	ug/l	99
5) Bromomethane	2.930	94	141847	95.836	ug/l	95
6) Chloroethane	3.106	64	130043	94.868	ug/l	90
7) Trichlorofluoromethane	3.489	101	387652	99.243	ug/l	99
8) Diethyl Ether	3.953	74	129491	108.290	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	209946	101.130	ug/l	99
10) Methyl Iodide	4.583	142	296609	109.651	ug/l	95
11) Tert butyl alcohol	5.518	59	172466	486.176	ug/l	99
12) 1,1-Dichloroethene	4.336	96	207400	110.639	ug/l	96
13) Acrolein	4.171	56	180315	476.573	ug/l	98
14) Allyl chloride	5.018	41	249826	106.826	ug/l	98
15) Acrylonitrile	5.712	53	486527	519.314	ug/l	99
16) Acetone	4.418	43	459532	600.330	ug/l	100
17) Carbon Disulfide	4.706	76	603612	97.911	ug/l	99
18) Methyl Acetate	5.018	43	178753	94.384	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	690939	112.481	ug/l	99
20) Methylene Chloride	5.265	84	224327	100.177	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	220657	107.710	ug/l	99
22) Diisopropyl ether	6.665	45	559282	112.225	ug/l	99
23) Vinyl Acetate	6.600	43	2187667	579.034	ug/l	100
24) 1,1-Dichloroethane	6.559	63	374239	102.121	ug/l	99
25) 2-Butanone	7.477	43	605615	548.306	ug/l	99
26) 2,2-Dichloropropane	7.483	77	377635	107.034	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	251929	108.218	ug/l	98
28) Bromochloromethane	7.812	49	147305	94.874	ug/l	98
29) Tetrahydrofuran	7.830	42	372372	546.087	ug/l	99
30) Chloroform	7.965	83	409546	101.106	ug/l	99
31) Cyclohexane	8.253	56	325757	104.345	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	400089	104.344	ug/l	98
36) 1,1-Dichloropropene	8.365	75	296177	114.993	ug/l	100
37) Ethyl Acetate	7.559	43	224022	103.099	ug/l	98
38) Carbon Tetrachloride	8.359	117	377239	111.395	ug/l	98
39) Methylcyclohexane	9.600	83	324420	126.957	ug/l	97
40) Benzene	8.600	78	902443	111.613	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	123440	118.971	ug/l		95
42) 1,2-Dichloroethane	8.665	62	301678	107.080	ug/l		99
43) Isopropyl Acetate	8.683	43	398367	84.427	ug/l		99
44) Trichloroethene	9.347	130	220997	105.460	ug/l		92
45) 1,2-Dichloropropane	9.618	63	205313	111.644	ug/l		97
46) Dibromomethane	9.706	93	156183	107.992	ug/l		100
47) Bromodichloromethane	9.882	83	336242	111.244	ug/l		99
48) Methyl methacrylate	9.677	41	183832	118.314	ug/l		98
49) 1,4-Dioxane	9.688	88	83630	2276.865	ug/l		94
51) 4-Methyl-2-Pentanone	10.441	43	1216534	585.839	ug/l		100
52) Toluene	10.629	92	601872	121.286	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	362129	123.365	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	369494	119.304	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	213909	112.938	ug/l		96
56) Ethyl methacrylate	10.871	69	354676	100.009	ug/l		99
57) 1,3-Dichloropropane	11.159	76	368384	114.512	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	678829	498.510	ug/l		99
59) 2-Hexanone	11.194	43	935328	618.290	ug/l		99
60) Dibromochloromethane	11.359	129	281651	115.239	ug/l		99
61) 1,2-Dibromoethane	11.465	107	224197	115.301	ug/l		98
64) Tetrachloroethene	11.100	164	217951	102.122	ug/l		98
65) Chlorobenzene	11.888	112	657655	107.422	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	241702	106.205	ug/l		98
67) Ethyl Benzene	11.959	91	1182051	120.702	ug/l		99
68) m/p-Xylenes	12.071	106	927553	240.977	ug/l		99
69) o-Xylene	12.394	106	444866	125.926	ug/l		99
70) Styrene	12.412	104	765959	126.938	ug/l		100
71) Bromoform	12.576	173	209637	110.191	ug/l	#	99
73) Isopropylbenzene	12.694	105	1139716	113.143	ug/l		100
74) N-amyl acetate	12.494	43	377161	111.912	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	317335	93.117	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	315551m	93.831	ug/l		
77) Bromobenzene	12.976	156	284449	101.270	ug/l		100
78) n-propylbenzene	13.035	91	1341141	117.577	ug/l		100
79) 2-Chlorotoluene	13.123	91	832060	109.823	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	1002727	117.902	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	143254	114.684	ug/l		97
82) 4-Chlorotoluene	13.218	91	861737	110.605	ug/l		99
83) tert-Butylbenzene	13.435	119	820651	112.824	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	1024294	119.410	ug/l		100
85) sec-Butylbenzene	13.612	105	1160166	122.266	ug/l		100
86) p-Isopropyltoluene	13.729	119	1015859	126.470	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	543572	107.364	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	538505	101.234	ug/l		99
89) n-Butylbenzene	14.053	91	848367	129.699	ug/l		100
90) Hexachloroethane	14.329	117	187906	101.383	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	506350	100.605	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	70713	103.948	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	280971	111.025	ug/l		99
94) Hexachlorobutadiene	15.500	225	144077	98.130	ug/l		99
95) Naphthalene	15.641	128	843691	115.132	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	265586	110.600	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 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

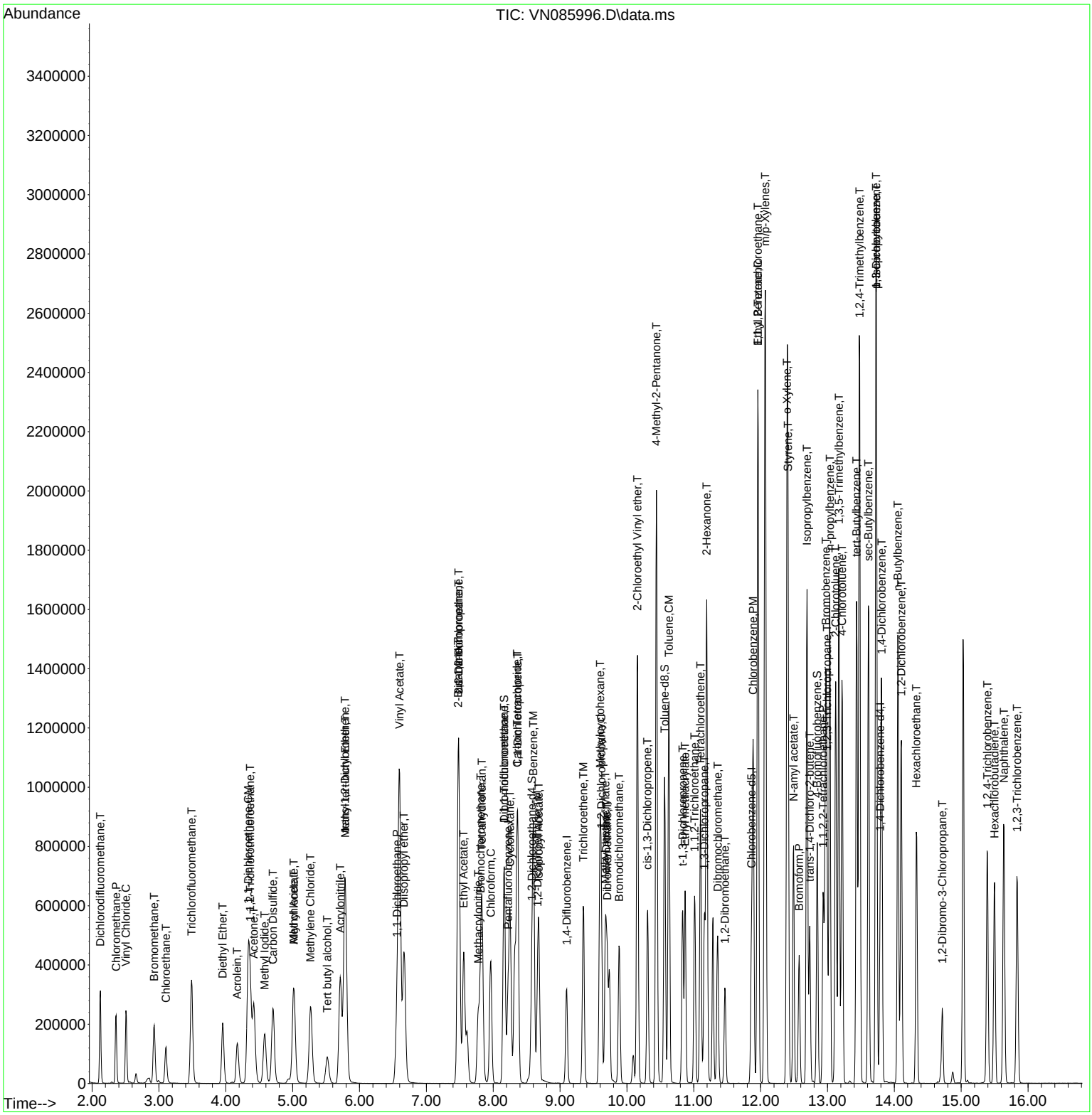
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	191040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127029	48.559	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.120%			
35) Dibromofluoromethane	8.165	113	101590	47.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.820%			
50) Toluene-d8	10.565	98	384569	49.972	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.940%			
62) 4-Bromofluorobenzene	12.847	95	141464	51.544	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	122875	48.549	ug/l	100
3) Chloromethane	2.360	50	106345	47.928	ug/l	100
4) Vinyl Chloride	2.507	62	113163	49.880	ug/l	100
5) Bromomethane	2.942	94	72791	47.103	ug/l	100
6) Chloroethane	3.112	64	63077	44.072	ug/l	100
7) Trichlorofluoromethane	3.489	101	186678	45.774	ug/l	100
8) Diethyl Ether	3.959	74	61984	49.647	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	98361	45.380	ug/l	100
10) Methyl Iodide	4.583	142	139044	49.232	ug/l	100
11) Tert butyl alcohol	5.524	59	90032	243.082	ug/l	100
12) 1,1-Dichloroethene	4.336	96	98583	50.369	ug/l	100
13) Acrolein	4.177	56	95299	241.241	ug/l	100
14) Allyl chloride	5.018	41	117849	48.265	ug/l	100
15) Acrylonitrile	5.718	53	236614	241.896	ug/l	100
16) Acetone	4.424	43	185613	232.246	ug/l	100
17) Carbon Disulfide	4.706	76	288424	44.810	ug/l	100
18) Methyl Acetate	5.024	43	89551	45.288	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	323093	50.377	ug/l	100
20) Methylene Chloride	5.271	84	107918	46.158	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	101963	47.670	ug/l	100
22) Diisopropyl ether	6.671	45	263272	50.597	ug/l	100
23) Vinyl Acetate	6.600	43	1019460	258.439	ug/l	100
24) 1,1-Dichloroethane	6.565	63	181215	47.361	ug/l	100
25) 2-Butanone	7.483	43	278702	241.675	ug/l	100
26) 2,2-Dichloropropane	7.489	77	176949	48.036	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	120874	49.730	ug/l	100
28) Bromochloromethane	7.806	49	74679	46.067	ug/l	100
29) Tetrahydrofuran	7.836	42	185207	260.140	ug/l	100
30) Chloroform	7.965	83	194324	45.948	ug/l	100
31) Cyclohexane	8.253	56	152647	46.831	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	188288	47.032	ug/l	100
36) 1,1-Dichloropropene	8.365	75	137990	49.422	ug/l	100
37) Ethyl Acetate	7.559	43	111535	47.350	ug/l	100
38) Carbon Tetrachloride	8.359	117	175652	47.847	ug/l	100
39) Methylcyclohexane	9.600	83	144397	52.126	ug/l	100
40) Benzene	8.606	78	423071	48.268	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	58596	52.096	ug/l		100
42) 1,2-Dichloroethane	8.671	62	144354	47.265	ug/l		100
43) Isopropyl Acetate	8.683	43	208926m	40.845	ug/l		
44) Trichloroethene	9.347	130	105089	46.260	ug/l		100
45) 1,2-Dichloropropane	9.618	63	97398	48.856	ug/l		100
46) Dibromomethane	9.706	93	73743	47.036	ug/l		100
47) Bromodichloromethane	9.883	83	156908	47.887	ug/l		100
48) Methyl methacrylate	9.677	41	87911	52.192	ug/l		100
49) 1,4-Dioxane	9.694	88	41818	1050.235	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	584167	259.501	ug/l		100
52) Toluene	10.630	92	277914	51.661	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	163659	51.430	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	172456	51.366	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	99259	48.343	ug/l		100
56) Ethyl methacrylate	10.871	69	159926	49.943	ug/l		100
57) 1,3-Dichloropropane	11.159	76	172224	49.385	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	323306	261.262	ug/l		100
59) 2-Hexanone	11.194	43	431923	263.380	ug/l		100
60) Dibromochloromethane	11.359	129	131303	49.558	ug/l		100
61) 1,2-Dibromoethane	11.465	107	106539	50.543	ug/l		100
64) Tetrachloroethene	11.100	164	101407	46.478	ug/l		100
65) Chlorobenzene	11.888	112	296813	47.424	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	111333	47.853	ug/l		100
67) Ethyl Benzene	11.959	91	524655	52.405	ug/l		100
68) m/p-Xylenes	12.071	106	413470	105.075	ug/l		100
69) o-Xylene	12.394	106	195107	54.023	ug/l		100
70) Styrene	12.406	104	333544	54.070	ug/l		100
71) Bromoform	12.577	173	94268	48.469	ug/l	#	100
73) Isopropylbenzene	12.694	105	496368	52.708	ug/l		100
74) N-amyl acetate	12.494	43	168199	53.384	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	145034	45.522	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	159517m	50.737	ug/l		
77) Bromobenzene	12.976	156	125436	47.769	ug/l		100
78) n-propylbenzene	13.035	91	576797	54.089	ug/l		100
79) 2-Chlorotoluene	13.124	91	361320	51.012	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	430051	54.088	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	57082	48.881	ug/l		100
82) 4-Chlorotoluene	13.218	91	371739	51.036	ug/l		100
83) tert-Butylbenzene	13.435	119	351295	51.660	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	431645	53.825	ug/l		100
85) sec-Butylbenzene	13.612	105	484551	54.622	ug/l		100
86) p-Isopropyltoluene	13.729	119	418830	55.774	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	232357	49.090	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	229820	46.213	ug/l		100
89) n-Butylbenzene	14.053	91	334309	54.669	ug/l		100
90) Hexachloroethane	14.329	117	80312	46.350	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	220326	46.825	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	30533	48.010	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	117285	49.573	ug/l		100
94) Hexachlorobutadiene	15.500	225	60983	44.428	ug/l		100
95) Naphthalene	15.641	128	359331	52.451	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	114262	50.897	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 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

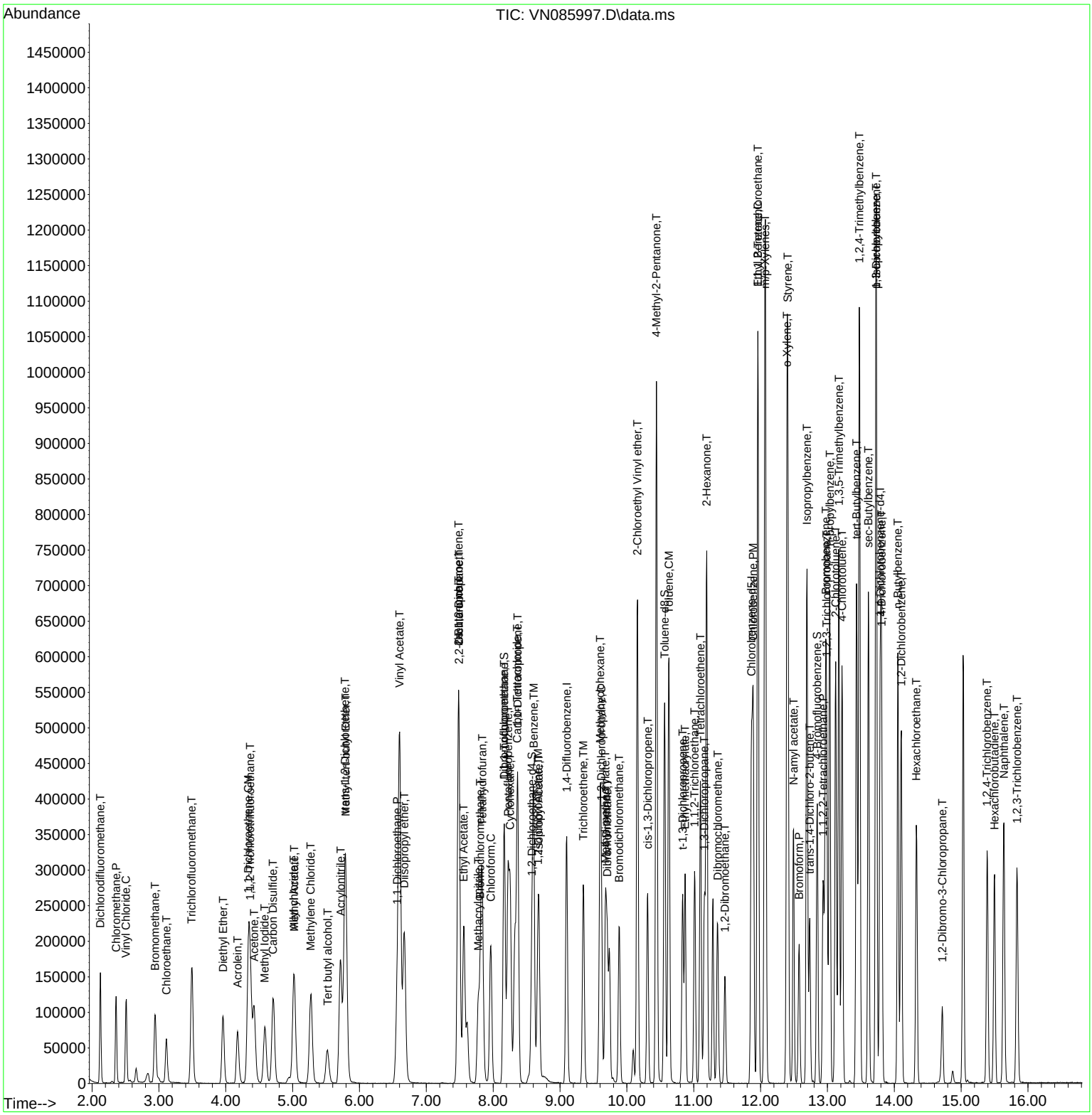
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	180263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	48218	19.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.060%#		
35) Dibromofluoromethane	8.165	113	39531	19.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.800%#		
50) Toluene-d8	10.565	98	142597	19.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.560%#		
62) 4-Bromofluorobenzene	12.847	95	50895	19.799	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	39.600%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	43250	18.110	ug/l	96
3) Chloromethane	2.359	50	37051	17.697	ug/l	98
4) Vinyl Chloride	2.506	62	39037	18.236	ug/l	98
5) Bromomethane	2.942	94	27158	18.625	ug/l	97
6) Chloroethane	3.106	64	24077	17.829	ug/l #	86
7) Trichlorofluoromethane	3.495	101	69126	17.963	ug/l	99
8) Diethyl Ether	3.959	74	22721	19.287	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	36929	18.056	ug/l	99
10) Methyl Iodide	4.583	142	49138	18.439	ug/l	91
11) Tert butyl alcohol	5.518	59	32886	94.099	ug/l	99
12) 1,1-Dichloroethene	4.336	96	34693	18.786	ug/l	95
13) Acrolein	4.177	56	37669	101.056	ug/l	99
14) Allyl chloride	5.018	41	41227	17.894	ug/l	99
15) Acrylonitrile	5.718	53	88238	95.601	ug/l	98
16) Acetone	4.424	43	64377	85.367	ug/l	97
17) Carbon Disulfide	4.706	76	105800	17.420	ug/l	100
18) Methyl Acetate	5.024	43	31321	16.787	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	113784	18.802	ug/l	96
20) Methylene Chloride	5.277	84	39757	18.021	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	37536	18.598	ug/l	98
22) Diisopropyl ether	6.671	45	94961	19.341	ug/l	94
23) Vinyl Acetate	6.600	43	369355m	99.232	ug/l	
24) 1,1-Dichloroethane	6.565	63	65460	18.131	ug/l	100
25) 2-Butanone	7.483	43	99742	91.662	ug/l	96
26) 2,2-Dichloropropane	7.488	77	63430	18.249	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42598	18.573	ug/l	98
28) Bromochloromethane	7.812	49	28688	18.755	ug/l	99
29) Tetrahydrofuran	7.841	42	65915	98.119	ug/l	99
30) Chloroform	7.965	83	72867	18.259	ug/l	97
31) Cyclohexane	8.253	56	55179	17.940	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	69390	18.369	ug/l	95
36) 1,1-Dichloropropene	8.371	75	47900	18.317	ug/l	100
37) Ethyl Acetate	7.559	43	41696	18.899	ug/l	99
38) Carbon Tetrachloride	8.353	117	63404	18.440	ug/l	92
39) Methylcyclohexane	9.600	83	47633	18.359	ug/l	94
40) Benzene	8.606	78	153432	18.690	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	21324	20.242	ug/l		96
42) 1,2-Dichloroethane	8.671	62	52637	18.401	ug/l		100
43) Isopropyl Acetate	8.688	43	90251m	18.838	ug/l		
44) Trichloroethene	9.353	130	38098	17.906	ug/l		94
45) 1,2-Dichloropropane	9.618	63	36309	19.446	ug/l		98
46) Dibromomethane	9.706	93	26612	18.123	ug/l		98
47) Bromodichloromethane	9.888	83	57646	18.784	ug/l		96
48) Methyl methacrylate	9.677	41	30533	19.354	ug/l		99
49) 1,4-Dioxane	9.694	88	14060	377.006	ug/l		90
51) 4-Methyl-2-Pentanone	10.441	43	209460	99.344	ug/l		98
52) Toluene	10.629	92	98133	19.476	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	57384	19.253	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	60620	19.278	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	35992	18.716	ug/l		96
56) Ethyl methacrylate	10.871	69	52684	20.039	ug/l		99
57) 1,3-Dichloropropane	11.159	76	61369	18.788	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	66141	69.674	ug/l		99
59) 2-Hexanone	11.194	43	152912	99.554	ug/l		98
60) Dibromochloromethane	11.359	129	46407	18.701	ug/l		98
61) 1,2-Dibromoethane	11.465	107	37071	18.777	ug/l		97
64) Tetrachloroethene	11.100	164	37287	18.572	ug/l		95
65) Chlorobenzene	11.888	112	107742	18.708	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	39102	18.264	ug/l		98
67) Ethyl Benzene	11.959	91	175592	19.060	ug/l		97
68) m/p-Xylenes	12.071	106	141029	38.948	ug/l		99
69) o-Xylene	12.394	106	65978	19.853	ug/l		99
70) Styrene	12.406	104	112279	19.780	ug/l		99
71) Bromoform	12.576	173	33086	18.487	ug/l	#	99
73) Isopropylbenzene	12.694	105	162838	19.041	ug/l		100
74) N-amyl acetate	12.494	43	56163	19.630	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	52144	18.023	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	57493m	20.137	ug/l		
77) Bromobenzene	12.976	156	43969	18.439	ug/l		99
78) n-propylbenzene	13.035	91	189068	19.524	ug/l		99
79) 2-Chlorotoluene	13.123	91	123854	19.256	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	142528	19.740	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	21026	19.827	ug/l		94
82) 4-Chlorotoluene	13.218	91	128159	19.376	ug/l		99
83) tert-Butylbenzene	13.435	119	114669	18.570	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	144557	19.850	ug/l		100
85) sec-Butylbenzene	13.612	105	158970	19.734	ug/l		99
86) p-Isopropyltoluene	13.729	119	133733	19.611	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	80845	18.809	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	81175	17.975	ug/l		99
89) n-Butylbenzene	14.053	91	103559	18.649	ug/l		98
90) Hexachloroethane	14.329	117	27141	17.249	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	76225	17.839	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10795	18.692	ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	39028	18.166	ug/l		98
94) Hexachlorobutadiene	15.494	225	22741	18.244	ug/l		98
95) Naphthalene	15.635	128	115493	18.564	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	38684	18.975	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 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

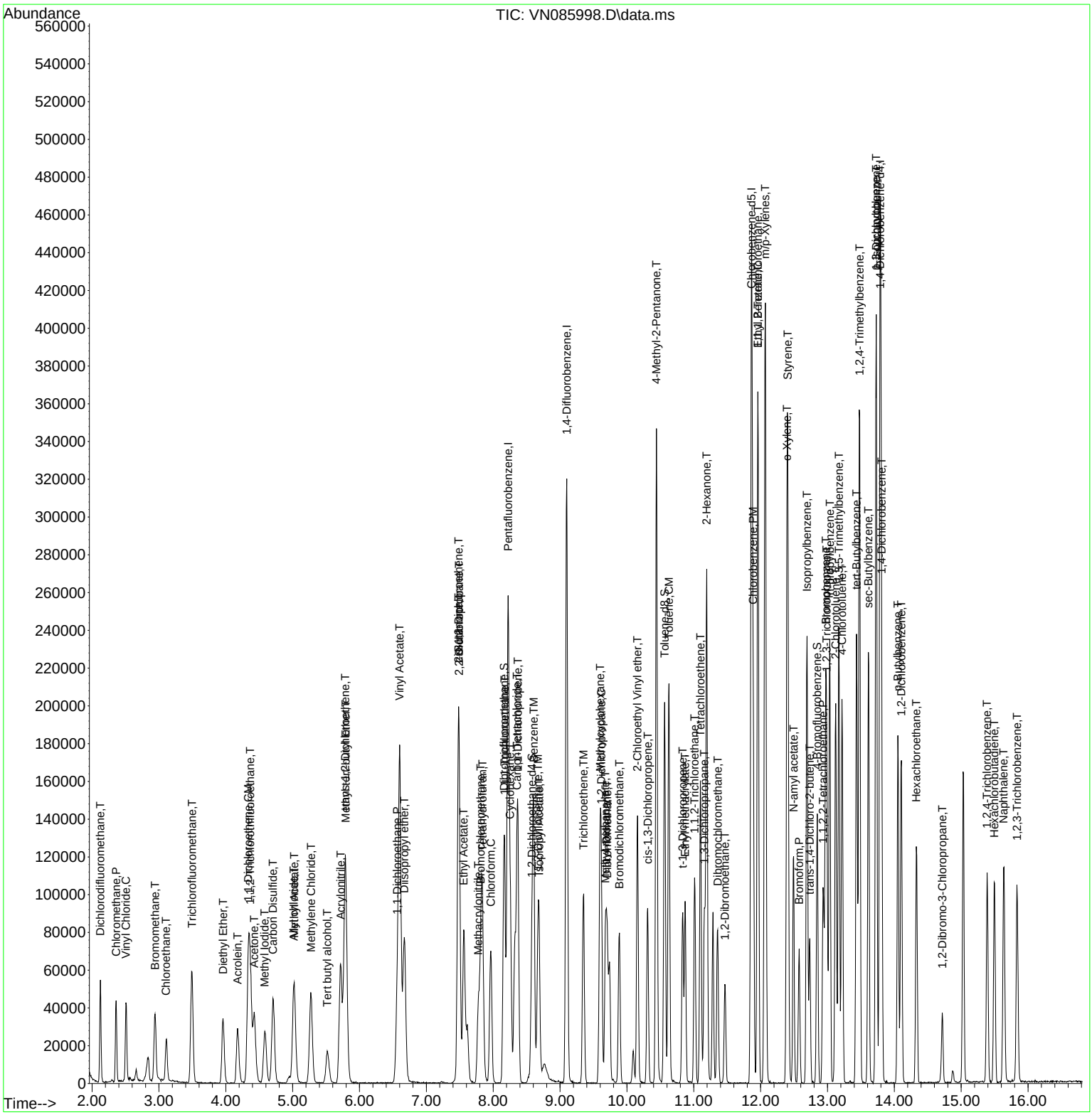
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	177085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	25519	10.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	21.040%#		
35) Dibromofluoromethane	8.159	113	20600	10.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.740%#		
50) Toluene-d8	10.565	98	73317	10.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.340%#		
62) 4-Bromofluorobenzene	12.847	95	25049	9.746	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	19.500%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	22978	9.794	ug/l	100
3) Chloromethane	2.359	50	19259	9.364	ug/l	99
4) Vinyl Chloride	2.512	62	20562	9.778	ug/l	97
5) Bromomethane	2.965	94	14539	10.150	ug/l	95
6) Chloroethane	3.118	64	13400	10.101	ug/l	98
7) Trichlorofluoromethane	3.494	101	36653	9.696	ug/l	96
8) Diethyl Ether	3.959	74	11412	9.861	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	19603	9.757	ug/l	98
10) Methyl Iodide	4.589	142	25149	9.606	ug/l #	94
11) Tert butyl alcohol	5.530	59	17174	50.023	ug/l #	88
12) 1,1-Dichloroethene	4.341	96	19300	10.638	ug/l	99
13) Acrolein	4.177	56	17536	47.889	ug/l	99
14) Allyl chloride	5.030	41	21799	9.631	ug/l	99
15) Acrylonitrile	5.718	53	45069	49.706	ug/l	99
16) Acetone	4.424	43	34466	46.524	ug/l	93
17) Carbon Disulfide	4.712	76	57012	9.555	ug/l	99
18) Methyl Acetate	5.018	43	17854	9.741	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	56795	9.553	ug/l	98
20) Methylene Chloride	5.271	84	20262	9.349	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	19340	9.754	ug/l	95
22) Diisopropyl ether	6.677	45	49389	10.240	ug/l	95
23) Vinyl Acetate	6.606	43	180182	49.277	ug/l	97
24) 1,1-Dichloroethane	6.571	63	34294	9.669	ug/l	97
25) 2-Butanone	7.488	43	52665	49.267	ug/l	93
26) 2,2-Dichloropropane	7.482	77	32775	9.598	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	21843	9.695	ug/l	97
28) Bromochloromethane	7.812	49	14293	9.512	ug/l	98
29) Tetrahydrofuran	7.841	42	33470	50.716	ug/l	98
30) Chloroform	7.965	83	38998	9.948	ug/l	95
31) Cyclohexane	8.259	56	30234	10.006	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	36307	9.784	ug/l	98
36) 1,1-Dichloropropene	8.371	75	25215	9.644	ug/l	99
37) Ethyl Acetate	7.559	43	22354	10.134	ug/l	99
38) Carbon Tetrachloride	8.359	117	33005	9.601	ug/l	89
39) Methylcyclohexane	9.600	83	22685	8.745	ug/l	89
40) Benzene	8.606	78	78849	9.606	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	10855	10.306	ug/l		97
42) 1,2-Dichloroethane	8.671	62	27959	9.776	ug/l		98
43) Isopropyl Acetate	8.688	43	50383m	10.518	ug/l		
44) Trichloroethene	9.353	130	20094	9.446	ug/l		92
45) 1,2-Dichloropropane	9.623	63	18278	9.791	ug/l		97
46) Dibromomethane	9.706	93	14254	9.709	ug/l		98
47) Bromodichloromethane	9.888	83	29326	9.558	ug/l	#	99
48) Methyl methacrylate	9.676	41	15095	9.570	ug/l		99
49) 1,4-Dioxane	9.694	88	8137	218.227	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	108196	51.326	ug/l		97
52) Toluene	10.629	92	49947	9.915	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	28817	9.670	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	31572	10.042	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	18779	9.767	ug/l		94
56) Ethyl methacrylate	10.870	69	25340	10.180	ug/l		97
57) 1,3-Dichloropropane	11.159	76	32516	9.957	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	56781	60.781	ug/l		99
59) 2-Hexanone	11.194	43	76690	49.939	ug/l		97
60) Dibromochloromethane	11.359	129	24029	9.685	ug/l		98
61) 1,2-Dibromoethane	11.470	107	19500	9.879	ug/l		97
64) Tetrachloroethene	11.100	164	19436	9.781	ug/l		95
65) Chlorobenzene	11.888	112	55590	9.752	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	20639	9.740	ug/l		97
67) Ethyl Benzene	11.959	91	88133	9.666	ug/l		97
68) m/p-Xylenes	12.070	106	68738	19.180	ug/l		99
69) o-Xylene	12.400	106	32135	9.770	ug/l		99
70) Styrene	12.412	104	51989	9.254	ug/l		98
71) Bromoform	12.576	173	17048	9.624	ug/l	#	98
73) Isopropylbenzene	12.694	105	78299	10.163	ug/l		98
74) N-amyl acetate	12.488	43	26009	10.090	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	26865	10.307	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	26024m	10.117	ug/l		
77) Bromobenzene	12.976	156	21805	10.150	ug/l		98
78) n-propylbenzene	13.035	91	87149	9.989	ug/l		100
79) 2-Chlorotoluene	13.123	91	58382	10.075	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	65511	10.071	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	9044	9.466	ug/l		95
82) 4-Chlorotoluene	13.217	91	60050	10.077	ug/l		100
83) tert-Butylbenzene	13.435	119	56793	10.208	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	66424	10.124	ug/l		99
85) sec-Butylbenzene	13.611	105	73271	10.096	ug/l		100
86) p-Isopropyltoluene	13.723	119	60661	9.874	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	39474	10.194	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	39616	9.737	ug/l		97
89) n-Butylbenzene	14.053	91	46910	9.376	ug/l		97
90) Hexachloroethane	14.329	117	13417	9.464	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	37747	9.805	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	5994	11.520	ug/l		88
93) 1,2,4-Trichlorobenzene	15.388	180	18382	9.497	ug/l		99
94) Hexachlorobutadiene	15.500	225	11293	10.056	ug/l		98
95) Naphthalene	15.635	128	54670	9.754	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	17914	9.753	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

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

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

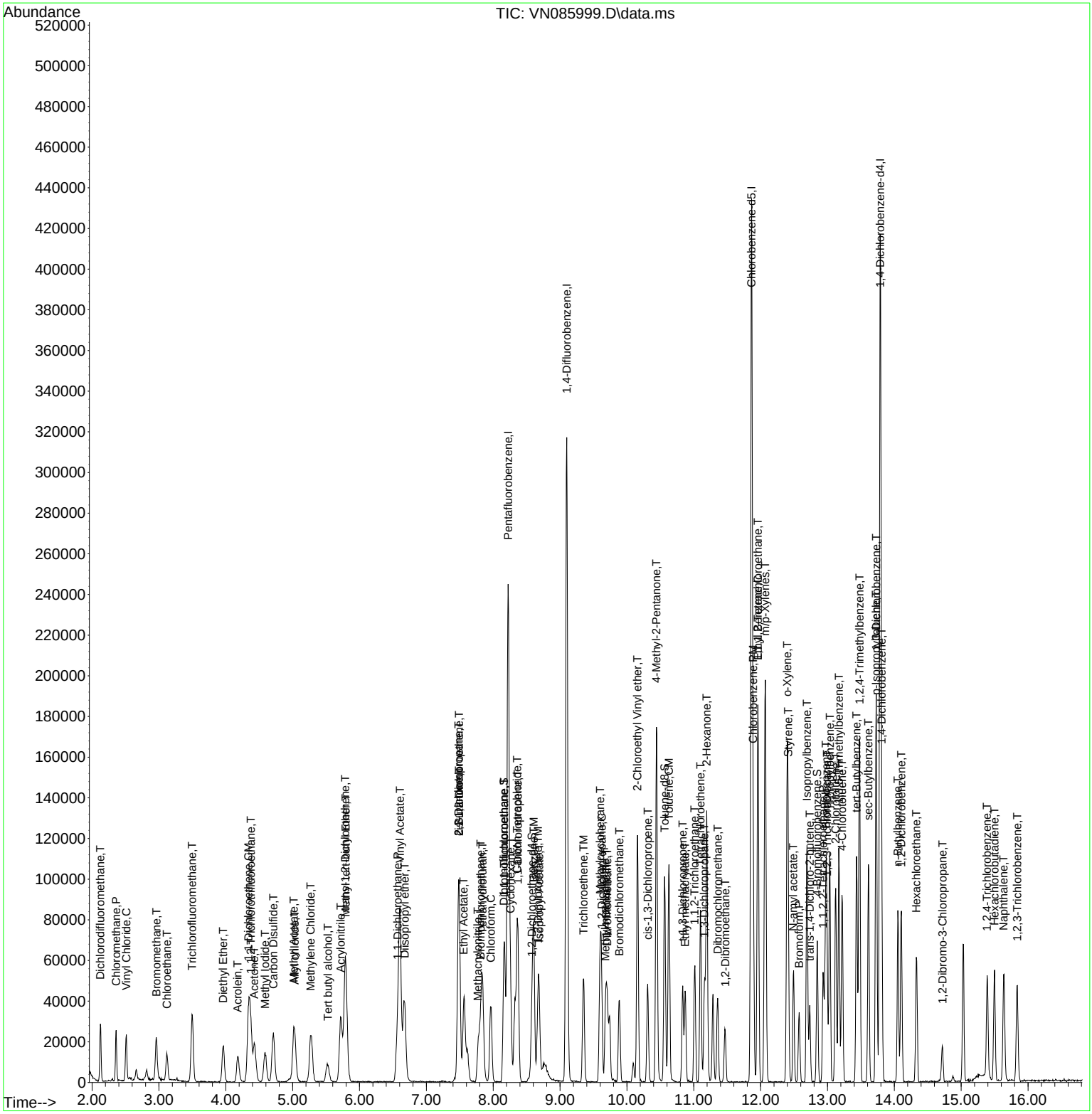
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	12074	5.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.760%#		
35) Dibromofluoromethane	8.165	113	9983	5.274	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.540%#		
50) Toluene-d8	10.565	98	32999	4.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.600%#		
62) 4-Bromofluorobenzene	12.847	95	10615	4.332	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	11420	5.263	ug/l	92
3) Chloromethane	2.359	50	10021	5.268	ug/l	99
4) Vinyl Chloride	2.506	62	10389	5.341	ug/l	100
5) Bromomethane	2.942	94	7641	5.767	ug/l	94
6) Chloroethane	3.106	64	6607	5.384	ug/l	94
7) Trichlorofluoromethane	3.489	101	18136	5.187	ug/l	94
8) Diethyl Ether	3.965	74	5061	4.728	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	9669	5.203	ug/l	97
10) Methyl Iodide	4.589	142	12547	5.181	ug/l	94
11) Tert butyl alcohol	5.518	59	8843	27.847	ug/l #	93
12) 1,1-Dichloroethene	4.336	96	9006	5.367	ug/l	91
13) Acrolein	4.183	56	9429	27.839	ug/l	97
14) Allyl chloride	5.018	41	11201	5.350	ug/l	95
15) Acrylonitrile	5.724	53	22174	26.440	ug/l	98
16) Acetone	4.436	43	17456	25.474	ug/l	96
17) Carbon Disulfide	4.706	76	28904	5.237	ug/l	98
18) Methyl Acetate	5.024	43	8878	5.237	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	26823	4.878	ug/l	94
20) Methylene Chloride	5.277	84	10471	5.223	ug/l	86
21) trans-1,2-Dichloroethene	5.783	96	9241	5.039	ug/l	85
22) Diisopropyl ether	6.671	45	22716	5.092	ug/l	91
23) Vinyl Acetate	6.606	43	83783	24.772	ug/l	98
24) 1,1-Dichloroethane	6.571	63	16897	5.151	ug/l	99
25) 2-Butanone	7.482	43	26095	26.392	ug/l	96
26) 2,2-Dichloropropane	7.488	77	16658	5.274	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	10741	5.154	ug/l	98
28) Bromochloromethane	7.812	49	7039	5.064	ug/l #	99
29) Tetrahydrofuran	7.847	42	16104	26.382	ug/l	97
30) Chloroform	7.965	83	18814	5.188	ug/l	95
31) Cyclohexane	8.247	56	15682	5.611	ug/l	87
32) 1,1,1-Trichloroethane	8.165	97	17962	5.233	ug/l	92
36) 1,1-Dichloropropene	8.365	75	12303	4.936	ug/l	96
37) Ethyl Acetate	7.565	43	11164	5.309	ug/l	98
38) Carbon Tetrachloride	8.359	117	16628	5.074	ug/l	99
39) Methylcyclohexane	9.600	83	11562	4.675	ug/l #	86
40) Benzene	8.606	78	39414	5.037	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.782	41	5095	5.074 ug/l		94
42) 1,2-Dichloroethane	8.671	62	14311	5.249 ug/l		97
43) Isopropyl Acetate	8.688	43	22794	4.992 ug/l	#	87
44) Trichloroethene	9.353	130	10304	5.081 ug/l		93
45) 1,2-Dichloropropane	9.618	63	9026	5.071 ug/l		100
46) Dibromomethane	9.706	93	7270	5.194 ug/l		95
47) Bromodichloromethane	9.888	83	15203	5.197 ug/l		93
48) Methyl methacrylate	9.682	41	6970	4.635 ug/l		95
49) 1,4-Dioxane	9.700	88	3831	107.772 ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	50081	24.920 ug/l		95
52) Toluene	10.629	92	23224	4.836 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	13594	4.785 ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	14556	4.856 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	9178	5.007 ug/l		95
56) Ethyl methacrylate	10.870	69	11206	4.940 ug/l		93
57) 1,3-Dichloropropane	11.165	76	15126	4.858 ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	25811	31.548 ug/l		100
59) 2-Hexanone	11.194	43	35455	24.217 ug/l		96
60) Dibromochloromethane	11.359	129	11813	4.994 ug/l		99
61) 1,2-Dibromoethane	11.465	107	9143	4.859 ug/l		90
64) Tetrachloroethene	11.106	164	9809	5.284 ug/l		93
65) Chlorobenzene	11.888	112	26908	5.053 ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	10358	5.232 ug/l		96
67) Ethyl Benzene	11.965	91	40845	4.795 ug/l		99
68) m/p-Xylenes	12.065	106	30743	9.182 ug/l		98
69) o-Xylene	12.400	106	13604	4.427 ug/l		94
70) Styrene	12.406	104	24028	4.578 ug/l		99
71) Bromoform	12.570	173	8257	4.989 ug/l	#	95
73) Isopropylbenzene	12.694	105	35476	4.780 ug/l		99
74) N-amyl acetate	12.494	43	11933	4.806 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	13700	5.457 ug/l		94
76) 1,2,3-Trichloropropane	12.988	75	13734m	5.543 ug/l		
77) Bromobenzene	12.976	156	10805	5.222 ug/l		94
78) n-propylbenzene	13.035	91	40052	4.766 ug/l		98
79) 2-Chlorotoluene	13.123	91	27970	5.011 ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	28674	4.576 ug/l		97
81) trans-1,4-Dichloro-2-b...	12.741	75	4314	4.688 ug/l		96
82) 4-Chlorotoluene	13.217	91	27891	4.859 ug/l		98
83) tert-Butylbenzene	13.435	119	24760	4.621 ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	29165	4.615 ug/l		100
85) sec-Butylbenzene	13.617	105	32694	4.677 ug/l		97
86) p-Isopropyltoluene	13.729	119	26188	4.425 ug/l		97
87) 1,3-Dichlorobenzene	13.735	146	18666	5.004 ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	20725	5.288 ug/l		96
89) n-Butylbenzene	14.059	91	21529	4.468 ug/l		96
90) Hexachloroethane	14.335	117	7037	5.154 ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	18733	5.052 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	2714	5.415 ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	9252	4.962 ug/l		95
94) Hexachlorobutadiene	15.500	225	5668	5.240 ug/l		97
95) Naphthalene	15.641	128	24023	4.450 ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	8594	4.858 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 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

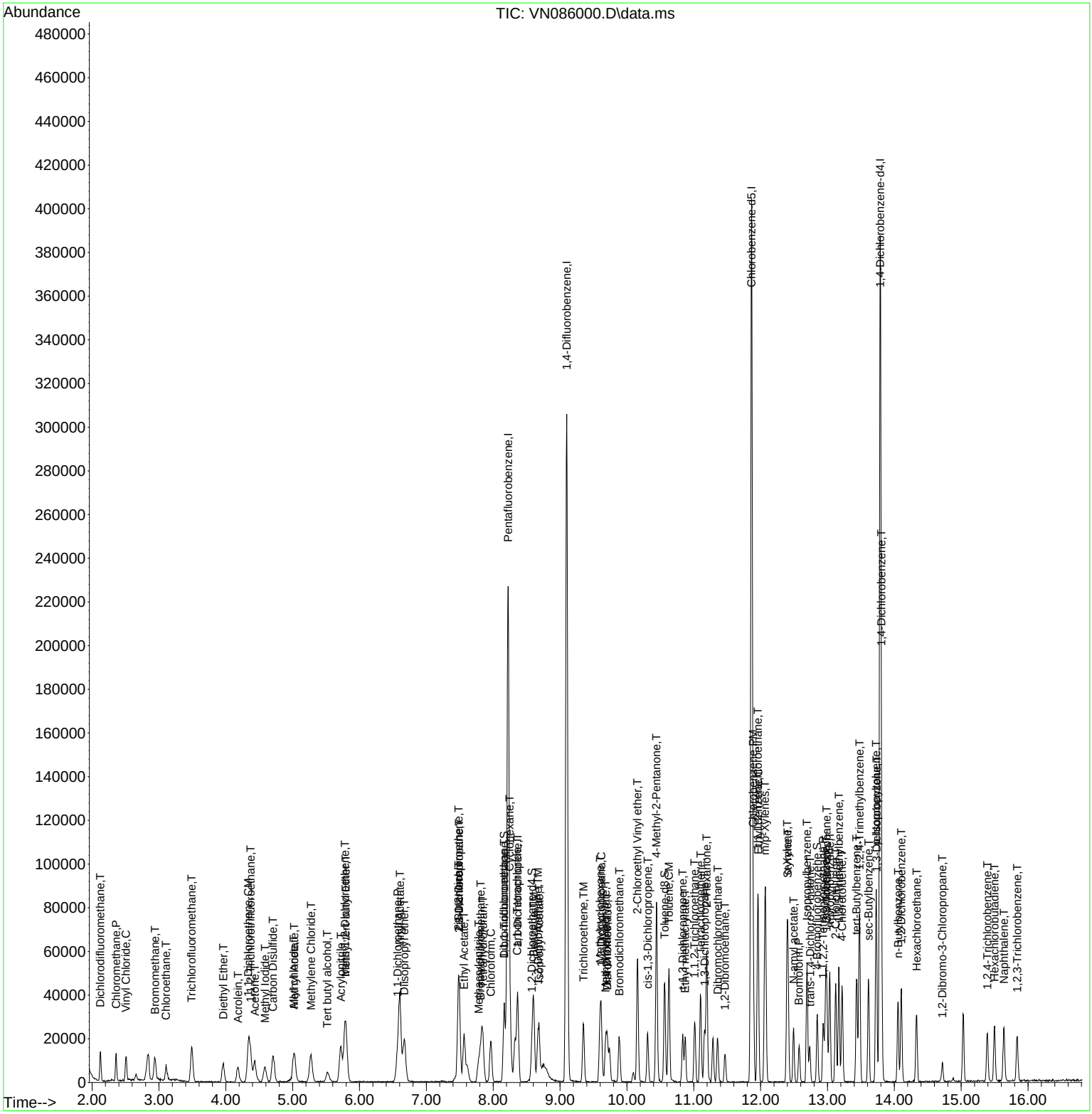
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086001.D
Acq On : 18 Mar 2025 14:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 19 02:57:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	145853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	83272	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	2.124	85	1979	1.024	ug/l	86
3) Chloromethane	2.359	50	1992	1.176	ug/l	99
4) Vinyl Chloride	2.512	62	1726	0.996	ug/l #	74
6) Chloroethane	3.124	64	1302	1.192	ug/l	90
7) Trichlorofluoromethane	3.500	101	3696	1.187	ug/l	86
8) Diethyl Ether	3.959	74	980	1.028	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.365	101	1923m	1.162	ug/l	
12) 1,1-Dichloroethene	4.347	96	1210	0.810	ug/l #	69
14) Allyl chloride	5.024	41	1936	1.039	ug/l #	85
15) Acrylonitrile	5.724	53	3682	4.930	ug/l #	68
16) Acetone	4.436	43	3256	5.336	ug/l	99
17) Carbon Disulfide	4.706	76	6146	1.251	ug/l #	94
18) Methyl Acetate	5.024	43	1947	1.290	ug/l #	77
19) Methyl tert-butyl Ether	5.794	73	4880	0.997	ug/l #	91
20) Methylene Chloride	5.271	84	2132	1.194	ug/l #	80
21) trans-1,2-Dichloroethene	5.794	96	1725	1.056	ug/l #	76
22) Diisopropyl ether	6.677	45	3402m	0.856	ug/l	
23) Vinyl Acetate	6.606	43	12634	4.195	ug/l	98
24) 1,1-Dichloroethane	6.577	63	3295m	1.128	ug/l	
25) 2-Butanone	7.482	43	4310	4.895	ug/l	95
26) 2,2-Dichloropropane	7.482	77	2930	1.042	ug/l #	68
27) cis-1,2-Dichloroethene	7.488	96	1845	0.994	ug/l	90
28) Bromochloromethane	7.812	49	1520	1.228	ug/l #	98
29) Tetrahydrofuran	7.841	42	2219	4.082	ug/l #	81
30) Chloroform	7.959	83	3631	1.125	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	3278	1.072	ug/l #	42
36) 1,1-Dichloropropene	8.376	75	2281	0.994	ug/l	97
37) Ethyl Acetate	7.559	43	1939m	1.002	ug/l	
38) Carbon Tetrachloride	8.365	117	3114	1.032	ug/l #	95
39) Methylcyclohexane	9.594	83	2186	0.960	ug/l	92
40) Benzene	8.606	78	7317	1.016	ug/l	96
41) Methacrylonitrile	7.777	41	657	0.711	ug/l #	72
42) 1,2-Dichloroethane	8.671	62	2601	1.036	ug/l	80
43) Isopropyl Acetate	8.694	43	5607	1.334	ug/l #	75
44) Trichloroethene	9.347	130	2173	1.164	ug/l	74
45) 1,2-Dichloropropane	9.623	63	1541	0.941	ug/l #	83

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086001.D
Acq On : 18 Mar 2025 14:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:57:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.700	93	1370	1.064	ug/l		90
47) Bromodichloromethane	9.882	83	2680	0.995	ug/l	#	82
48) Methyl methacrylate	9.682	41	1275	0.921	ug/l	#	77
49) 1,4-Dioxane	9.688	88	458	13.999	ug/l	#	47
51) 4-Methyl-2-Pentanone	10.447	43	7154	3.868	ug/l		94
52) Toluene	10.629	92	3631	0.821	ug/l		95
53) t-1,3-Dichloropropene	10.835	75	2225	0.851	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	2318	0.840	ug/l		89
55) 1,1,2-Trichloroethane	11.018	97	1670	0.990	ug/l	#	86
56) Ethyl methacrylate	10.870	69	1488	0.886	ug/l		90
57) 1,3-Dichloropropane	11.159	76	2752	0.960	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	3357	7.514	ug/l		99
59) 2-Hexanone	11.194	43	5032	3.734	ug/l		87
60) Dibromochloromethane	11.359	129	2077	0.954	ug/l		92
61) 1,2-Dibromoethane	11.465	107	1624	0.938	ug/l		94
64) Tetrachloroethene	11.106	164	1792	1.086	ug/l		92
65) Chlorobenzene	11.888	112	5000	1.056	ug/l		91
66) 1,1,1,2-Tetrachloroethane	11.953	131	1843	1.047	ug/l	#	66
67) Ethyl Benzene	11.964	91	6561	0.866	ug/l		99
68) m/p-Xylenes	12.070	106	5319	1.787	ug/l		82
69) o-Xylene	12.400	106	2200	0.805	ug/l		92
70) Styrene	12.412	104	3823	0.819	ug/l		87
71) Bromoform	12.576	173	1536	1.044	ug/l	#	91
73) Isopropylbenzene	12.694	105	5061	0.890	ug/l		97
74) N-amyl acetate	12.494	43	1639	0.861	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	2184	1.135	ug/l	#	91
76) 1,2,3-Trichloropropane	12.994	75	1541m	0.812	ug/l		
77) Bromobenzene	12.976	156	1666	1.051	ug/l		98
78) n-propylbenzene	13.035	91	5242	0.814	ug/l		98
79) 2-Chlorotoluene	13.129	91	3888	0.909	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	3984	0.830	ug/l		97
82) 4-Chlorotoluene	13.223	91	4068	0.925	ug/l		100
83) tert-Butylbenzene	13.435	119	3963	0.965	ug/l		92
84) 1,2,4-Trimethylbenzene	13.482	105	3881	0.801	ug/l		97
85) sec-Butylbenzene	13.617	105	4035	0.753	ug/l		99
86) p-Isopropyltoluene	13.723	119	3477	0.767	ug/l		93
87) 1,3-Dichlorobenzene	13.735	146	2812	0.984	ug/l		92
88) 1,4-Dichlorobenzene	13.811	146	3403m	1.133	ug/l		
89) n-Butylbenzene	14.053	91	3124	0.846	ug/l		93
90) Hexachloroethane	14.335	117	1276	1.220	ug/l		76
91) 1,2-Dichlorobenzene	14.100	146	3337	1.174	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	319	0.831	ug/l	#	20
93) 1,2,4-Trichlorobenzene	15.388	180	1497	1.048	ug/l		94
94) Hexachlorobutadiene	15.500	225	965	1.164	ug/l		80
95) Naphthalene	15.641	128	4162	1.006	ug/l	#	81
96) 1,2,3-Trichlorobenzene	15.829	180	1329	0.980	ug/l	#	86

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

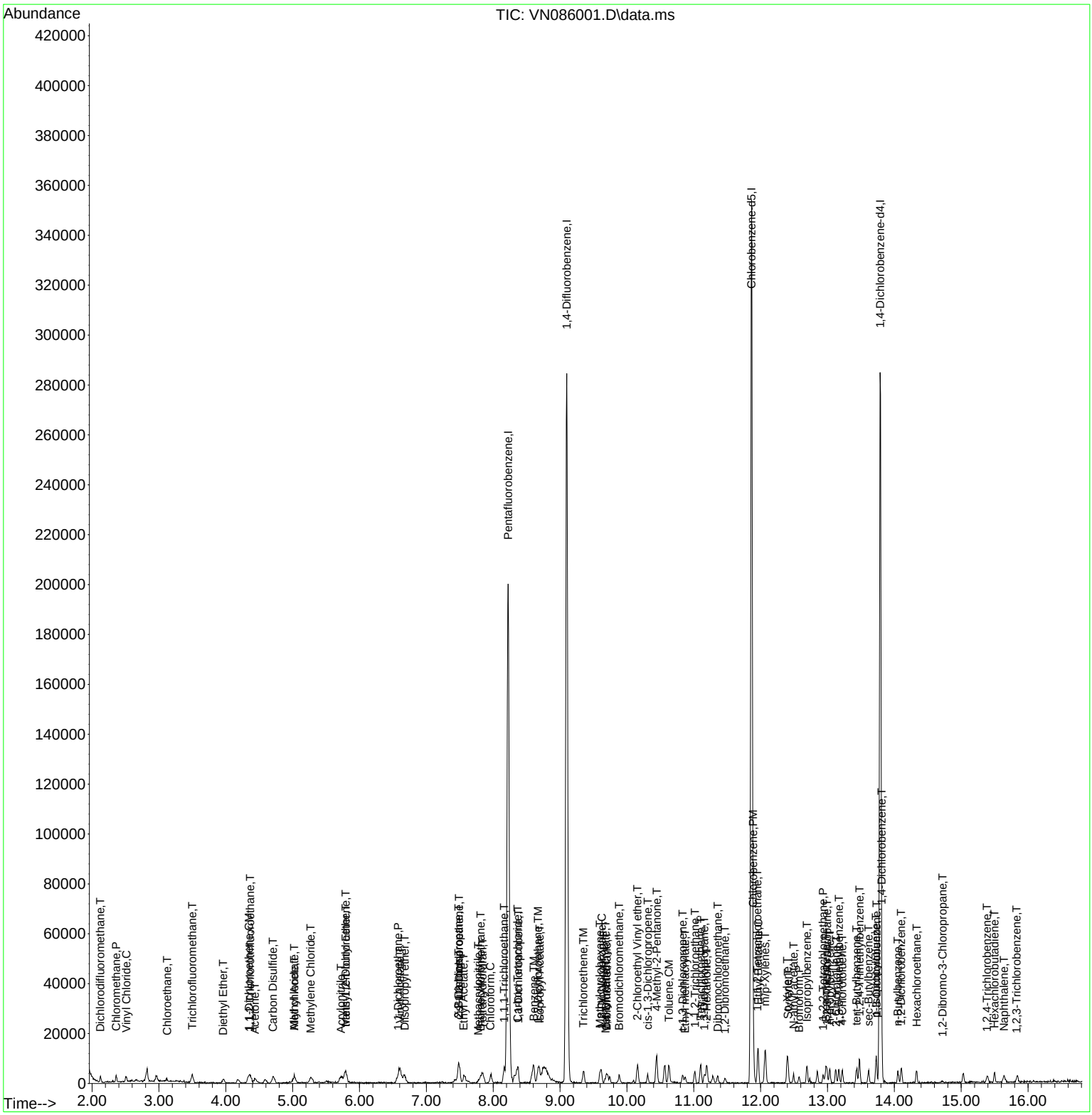
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086001.D
Acq On : 18 Mar 2025 14:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 19 02:57:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	185181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	272136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125581	49.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.040%			
35) Dibromofluoromethane	8.165	113	100012	48.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.340%			
50) Toluene-d8	10.565	98	385868	51.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.480%			
62) 4-Bromofluorobenzene	12.847	95	141589	53.231	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	137956	56.232	ug/l	99
3) Chloromethane	2.359	50	112934	52.508	ug/l	99
4) Vinyl Chloride	2.512	62	123086	55.971	ug/l	98
5) Bromomethane	2.948	94	77255	51.574	ug/l	97
6) Chloroethane	3.112	64	70967	51.154	ug/l	90
7) Trichlorofluoromethane	3.495	101	209962	53.112	ug/l	97
8) Diethyl Ether	3.953	74	68372	56.496	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	111303	52.975	ug/l	100
10) Methyl Iodide	4.583	142	155175	56.682	ug/l	94
11) Tert butyl alcohol	5.512	59	85582	238.378	ug/l	99
12) 1,1-Dichloroethene	4.336	96	108747	57.321	ug/l	97
13) Acrolein	4.177	56	104529	272.978	ug/l	100
14) Allyl chloride	5.012	41	133855	56.555	ug/l	98
15) Acrylonitrile	5.712	53	246595	260.076	ug/l	98
16) Acetone	4.418	43	183647	237.056	ug/l	98
17) Carbon Disulfide	4.712	76	317235	50.845	ug/l	98
18) Methyl Acetate	5.012	43	95164	49.649	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	363920	58.538	ug/l	97
20) Methylene Chloride	5.271	84	121113	53.440	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	115247	55.586	ug/l	97
22) Diisopropyl ether	6.665	45	300680	59.615	ug/l	97
23) Vinyl Acetate	6.600	43	1129550	295.428	ug/l	100
24) 1,1-Dichloroethane	6.565	63	203556	54.884	ug/l	99
25) 2-Butanone	7.477	43	283608	253.710	ug/l	99
26) 2,2-Dichloropropane	7.483	77	198771	55.667	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	134668	57.158	ug/l	98
28) Bromochloromethane	7.812	49	68612	43.664	ug/l	98
29) Tetrahydrofuran	7.836	42	185823	269.263	ug/l	99
30) Chloroform	7.959	83	222991	54.394	ug/l	99
31) Cyclohexane	8.253	56	172895	54.721	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	215524	55.539	ug/l	98
36) 1,1-Dichloropropene	8.371	75	155704	57.540	ug/l	100
37) Ethyl Acetate	7.559	43	115871	50.756	ug/l	97
38) Carbon Tetrachloride	8.359	117	201085	56.517	ug/l	95
39) Methylcyclohexane	9.600	83	163279	60.818	ug/l	98
40) Benzene	8.600	78	483089	56.869	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	63723	58.457	ug/l		94
42) 1,2-Dichloroethane	8.665	62	162271	54.822	ug/l		100
43) Isopropyl Acetate	8.683	43	203943	41.226	ug/l		99
44) Trichloroethene	9.347	130	117248	53.255	ug/l		96
45) 1,2-Dichloropropane	9.618	63	111560	57.740	ug/l		97
46) Dibromomethane	9.706	93	85108	56.012	ug/l		98
47) Bromodichloromethane	9.882	83	177051	55.753	ug/l		95
48) Methyl methacrylate	9.677	41	94275	57.751	ug/l		98
49) 1,4-Dioxane	9.688	88	40821	1057.815	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	607531	278.467	ug/l		99
52) Toluene	10.629	92	314632	60.348	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	184084	59.689	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	194976	59.921	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	111563	56.064	ug/l		97
56) Ethyl methacrylate	10.871	69	174971	55.208	ug/l		99
57) 1,3-Dichloropropane	11.159	76	194964	57.684	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	382073	306.978	ug/l		99
59) 2-Hexanone	11.194	43	448560	282.228	ug/l		98
60) Dibromochloromethane	11.353	129	147588	57.477	ug/l		98
61) 1,2-Dibromoethane	11.465	107	117559	57.545	ug/l		99
64) Tetrachloroethene	11.100	164	114717	52.844	ug/l		97
65) Chlorobenzene	11.888	112	334921	53.783	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	126196	54.515	ug/l		98
67) Ethyl Benzene	11.959	91	593609	59.592	ug/l		99
68) m/p-Xylenes	12.065	106	472258	120.622	ug/l		99
69) o-Xylene	12.394	106	223040	62.069	ug/l		100
70) Styrene	12.406	104	378434	61.658	ug/l		99
71) Bromoform	12.576	173	103943	53.714	ug/l	#	99
73) Isopropylbenzene	12.694	105	562565	58.664	ug/l		100
74) N-amyl acetate	12.488	43	182359	56.839	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	160871	49.586	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	153873m	48.944	ug/l		
77) Bromobenzene	12.976	156	142234	53.193	ug/l		98
78) n-propylbenzene	13.035	91	660295	60.807	ug/l		100
79) 2-Chlorotoluene	13.123	91	414442	57.461	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	491547	60.712	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	68481	57.589	ug/l		93
82) 4-Chlorotoluene	13.218	91	422016	56.898	ug/l		99
83) tert-Butylbenzene	13.435	119	405831	58.608	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	503636	61.674	ug/l		99
85) sec-Butylbenzene	13.612	105	567954	62.874	ug/l		99
86) p-Isopropyltoluene	13.723	119	488020	63.821	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	267129	55.423	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	262223	51.782	ug/l		99
89) n-Butylbenzene	14.053	91	393994	63.272	ug/l		99
90) Hexachloroethane	14.329	117	93033	52.727	ug/l		99
91) 1,2-Dichlorobenzene	14.100	146	254035	53.019	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33218	51.293	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	131782	54.700	ug/l		98
94) Hexachlorobutadiene	15.494	225	70418	50.380	ug/l		99
95) Naphthalene	15.635	128	378782	54.297	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	127760	55.887	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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

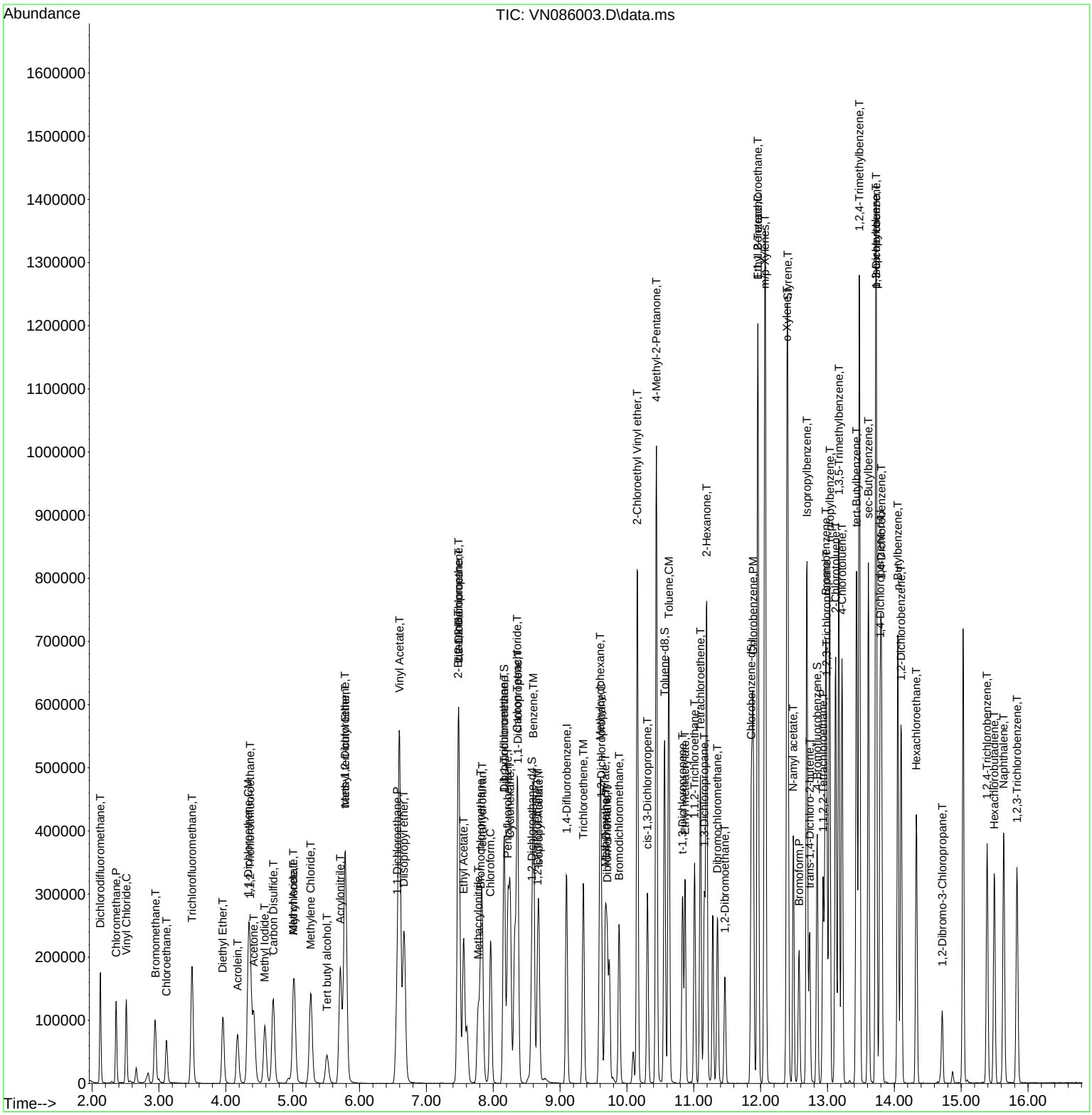
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	97	0.00
2	T	Dichlorodifluoromethane	0.662	0.745	-12.5	112	0.00
3	P	Chloromethane	0.581	0.610	-5.0	106	0.00
4	C	Vinyl Chloride	0.594	0.665	-12.0#	109	0.00
5	T	Bromomethane	0.404	0.417	-3.2	106	0.00
6	T	Chloroethane	0.375	0.383	-2.1	113	0.00
7	T	Trichlorofluoromethane	1.067	1.134	-6.3	112	0.00
8	T	Diethyl Ether	0.327	0.369	-12.8	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.567	0.601	-6.0	113	0.00
10	T	Methyl Iodide	0.739	0.838	-13.4	112	0.00
11	T	Tert butyl alcohol	0.097	0.092	5.2	95	-0.01
12	CM	1,1-Dichloroethene	0.512	0.587	-14.6#	110	0.00
13	T	Acrolein	0.103	0.113	-9.7	110	0.00
14	T	Allyl chloride	0.639	0.723	-13.1	114	0.00
15	T	Acrylonitrile	0.256	0.266	-3.9	104	0.00
16	T	Acetone	0.209	0.198	5.3	99	0.00
17	T	Carbon Disulfide	1.685	1.713	-1.7	110	0.00
18	T	Methyl Acetate	0.518	0.514	0.8	106	-0.01
19	T	Methyl tert-butyl Ether	1.679	1.965	-17.0	113	0.00
20	T	Methylene Chloride	0.612	0.654	-6.9	112	0.00
21	T	trans-1,2-Dichloroethene	0.560	0.622	-11.1	113	0.00
22	T	Diisopropyl ether	1.362	1.624	-19.2	114	0.00
23	T	Vinyl Acetate	1.032	1.220	-18.2	111	0.00
24	P	1,1-Dichloroethane	1.001	1.099	-9.8	112	0.00
25	T	2-Butanone	0.302	0.306	-1.3	102	0.00
26	T	2,2-Dichloropropane	0.964	1.073	-11.3	112	0.00
27	T	cis-1,2-Dichloroethene	0.636	0.727	-14.3	111	0.00
28	T	Bromochloromethane	0.424	0.371	12.5	92	0.00
29	T	Tetrahydrofuran	0.186	0.201	-8.1	100	0.00
30	C	Chloroform	1.107	1.204	-8.8#	115	0.00
31	T	Cyclohexane	0.853	0.934	-9.5	113	0.00
32	T	1,1,1-Trichloroethane	1.048	1.164	-11.1	114	0.00
33	S	1,2-Dichloroethane-d4	0.685	0.678	1.0	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.349	0.340	2.6	98	0.00
36	T	1,1-Dichloropropene	0.460	0.529	-15.0	113	0.00
37	T	Ethyl Acetate	0.388	0.394	-1.5	104	0.00
38	T	Carbon Tetrachloride	0.604	0.683	-13.1	114	0.00
39	T	Methylcyclohexane	0.456	0.555	-21.7	113	0.00
40	TM	Benzene	1.443	1.641	-13.7	114	0.00
41	T	Methacrylonitrile	0.185	0.216	-16.8	109	0.00
42	TM	1,2-Dichloroethane	0.503	0.551	-9.5	112	0.00
43	T	Isopropyl Acetate	0.840	0.693	17.5	98	0.00
44	TM	Trichloroethene	0.374	0.398	-6.4	112	0.00
45	C	1,2-Dichloropropane	0.328	0.379	-15.5#	115	0.00
46	T	Dibromomethane	0.258	0.289	-12.0	115	0.00
47	T	Bromodichloromethane	0.539	0.601	-11.5	113	0.00
48	T	Methyl methacrylate	0.277	0.320	-15.5	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	0.007	0.0	98	0.00
50	S	Toluene-d8	1.267	1.311	-3.5	100	0.00
51	T	4-Methyl-2-Pentanone	0.371	0.413	-11.3	104	0.00
52	CM	Toluene	0.885	1.069	-20.8#	113	0.00
53	T	t-1,3-Dichloropropene	0.524	0.625	-19.3	112	0.00
54	T	cis-1,3-Dichloropropene	0.553	0.662	-19.7	113	0.00
55	T	1,1,2-Trichloroethane	0.338	0.379	-12.1	112	0.00
56	T	Ethyl methacrylate	0.463	0.594	-28.3#	109	0.00
57	T	1,3-Dichloropropane	0.574	0.662	-15.3	113	0.00
58	T	2-Chloroethyl Vinyl ether	0.183	0.260	-42.1#	118	0.00
59	T	2-Hexanone	0.270	0.305	-13.0	104	0.00
60	T	Dibromochloromethane	0.436	0.501	-14.9	112	0.00
61	T	1,2-Dibromoethane	0.347	0.399	-15.0	110	0.00
62	S	4-Bromofluorobenzene	0.452	0.481	-6.4	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.399	0.422	-5.8	113	0.00
65	PM	Chlorobenzene	1.144	1.231	-7.6	113	0.00
66	T	1,1,1,2-Tetrachloroethane	0.425	0.464	-9.2	113	0.00
67	C	Ethyl Benzene	1.830	2.181	-19.2#	113	0.00
68	T	m/p-Xylenes	0.719	0.868	-20.7	114	0.00
69	T	o-Xylene	0.660	0.820	-24.2	114	0.00
70	T	Styrene	1.128	1.391	-23.3	113	0.00
71	P	Bromoform	0.356	0.382	-7.3	110	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.414	4.006	-17.3	113	0.00
74	T	N-amyl acetate	1.142	1.299	-13.7	108	0.00
75	P	1,1,2,2-Tetrachloroethane	1.155	1.146	0.8	111	0.00
76	T	1,2,3-Trichloropropane	1.119	1.096	2.1	96	0.00
77	T	Bromobenzene	0.952	1.013	-6.4	113	0.00
78	T	n-propylbenzene	3.866	4.702	-21.6	114	0.00
79	T	2-Chlorotoluene	2.568	2.951	-14.9	115	0.00
80	T	1,3,5-Trimethylbenzene	2.883	3.500	-21.4	114	0.00
81	T	trans-1,4-Dichloro-2-butene	0.423	0.488	-15.4	120	0.00
82	T	4-Chlorotoluene	2.641	3.005	-13.8	114	0.00
83	T	tert-Butylbenzene	2.466	2.890	-17.2	116	0.00
84	T	1,2,4-Trimethylbenzene	2.908	3.586	-23.3	117	0.00
85	T	sec-Butylbenzene	3.216	4.044	-25.7#	117	0.00
86	T	p-Isopropyltoluene	2.723	3.475	-27.6#	117	0.00
87	T	1,3-Dichlorobenzene	1.716	1.902	-10.8	115	0.00
88	T	1,4-Dichlorobenzene	1.803	1.867	-3.5	114	0.00
89	T	n-Butylbenzene	2.217	2.806	-26.6#	118	0.00
90	T	Hexachloroethane	0.628	0.663	-5.6	116	0.00
91	T	1,2-Dichlorobenzene	1.706	1.809	-6.0	115	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.231	0.237	-2.6	109	0.00
93	T	1,2,4-Trichlorobenzene	0.858	0.938	-9.3	112	0.00
94	T	Hexachlorobutadiene	0.498	0.501	-0.6	115	0.00
95	T	Naphthalene	2.484	2.697	-8.6	105	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	0.814	0.910	-11.8	112	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\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	97	0.00
2	T	Dichlorodifluoromethane	50.000	56.232	-12.5	112	0.00
3	P	Chloromethane	50.000	52.508	-5.0	106	0.00
4	C	Vinyl Chloride	50.000	55.971	-11.9#	109	0.00
5	T	Bromomethane	50.000	51.574	-3.1	106	0.00
6	T	Chloroethane	50.000	51.154	-2.3	113	0.00
7	T	Trichlorofluoromethane	50.000	53.112	-6.2	112	0.00
8	T	Diethyl Ether	50.000	56.496	-13.0	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.975	-6.0	113	0.00
10	T	Methyl Iodide	50.000	56.682	-13.4	112	0.00
11	T	Tert butyl alcohol	250.000	238.378	4.6	95	-0.01
12	CM	1,1-Dichloroethene	50.000	57.321	-14.6#	110	0.00
13	T	Acrolein	250.000	272.978	-9.2	110	0.00
14	T	Allyl chloride	50.000	56.555	-13.1	114	0.00
15	T	Acrylonitrile	250.000	260.076	-4.0	104	0.00
16	T	Acetone	250.000	237.056	5.2	99	0.00
17	T	Carbon Disulfide	50.000	50.845	-1.7	110	0.00
18	T	Methyl Acetate	50.000	49.649	0.7	106	-0.01
19	T	Methyl tert-butyl Ether	50.000	58.538	-17.1	113	0.00
20	T	Methylene Chloride	50.000	53.440	-6.9	112	0.00
21	T	trans-1,2-Dichloroethene	50.000	55.586	-11.2	113	0.00
22	T	Diisopropyl ether	50.000	59.615	-19.2	114	0.00
23	T	Vinyl Acetate	250.000	295.428	-18.2	111	0.00
24	P	1,1-Dichloroethane	50.000	54.884	-9.8	112	0.00
25	T	2-Butanone	250.000	253.710	-1.5	102	0.00
26	T	2,2-Dichloropropane	50.000	55.667	-11.3	112	0.00
27	T	cis-1,2-Dichloroethene	50.000	57.158	-14.3	111	0.00
28	T	Bromochloromethane	50.000	43.664	12.7	92	0.00
29	T	Tetrahydrofuran	250.000	269.263	-7.7	100	0.00
30	C	Chloroform	50.000	54.394	-8.8#	115	0.00
31	T	Cyclohexane	50.000	54.721	-9.4	113	0.00
32	T	1,1,1-Trichloroethane	50.000	55.539	-11.1	114	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.524	1.0	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	48.666	2.7	98	0.00
36	T	1,1-Dichloropropene	50.000	57.540	-15.1	113	0.00
37	T	Ethyl Acetate	50.000	50.756	-1.5	104	0.00
38	T	Carbon Tetrachloride	50.000	56.517	-13.0	114	0.00
39	T	Methylcyclohexane	50.000	60.818	-21.6	113	0.00
40	TM	Benzene	50.000	56.869	-13.7	114	0.00
41	T	Methacrylonitrile	50.000	58.457	-16.9	109	0.00
42	TM	1,2-Dichloroethane	50.000	54.822	-9.6	112	0.00
43	T	Isopropyl Acetate	50.000	41.226	17.5	98	0.00
44	TM	Trichloroethene	50.000	53.255	-6.5	112	0.00
45	C	1,2-Dichloropropane	50.000	57.740	-15.5#	115	0.00
46	T	Dibromomethane	50.000	56.012	-12.0	115	0.00
47	T	Bromodichloromethane	50.000	55.753	-11.5	113	0.00
48	T	Methyl methacrylate	50.000	57.751	-15.5	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	1057.815	-5.8	98	0.00
50	S	Toluene-d8	50.000	51.736	-3.5	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	278.467	-11.4	104	0.00
52	CM	Toluene	50.000	60.348	-20.7#	113	0.00
53	T	t-1,3-Dichloropropene	50.000	59.689	-19.4	112	0.00
54	T	cis-1,3-Dichloropropene	50.000	59.921	-19.8	113	0.00
55	T	1,1,2-Trichloroethane	50.000	56.064	-12.1	112	0.00
56	T	Ethyl methacrylate	50.000	55.208	-10.4	109	0.00
57	T	1,3-Dichloropropane	50.000	57.684	-15.4	113	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	306.978	-22.8	118	0.00
59	T	2-Hexanone	250.000	282.228	-12.9	104	0.00
60	T	Dibromochloromethane	50.000	57.477	-15.0	112	0.00
61	T	1,2-Dibromoethane	50.000	57.545	-15.1	110	0.00
62	S	4-Bromofluorobenzene	50.000	53.231	-6.5	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	52.844	-5.7	113	0.00
65	PM	Chlorobenzene	50.000	53.783	-7.6	113	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.515	-9.0	113	0.00
67	C	Ethyl Benzene	50.000	59.592	-19.2#	113	0.00
68	T	m/p-Xylenes	100.000	120.622	-20.6	114	0.00
69	T	o-Xylene	50.000	62.069	-24.1	114	0.00
70	T	Styrene	50.000	61.658	-23.3	113	0.00
71	P	Bromoform	50.000	53.714	-7.4	110	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	58.664	-17.3	113	0.00
74	T	N-amyl acetate	50.000	56.839	-13.7	108	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.586	0.8	111	0.00
76	T	1,2,3-Trichloropropane	50.000	48.944	2.1	96	0.00
77	T	Bromobenzene	50.000	53.193	-6.4	113	0.00
78	T	n-propylbenzene	50.000	60.807	-21.6	114	0.00
79	T	2-Chlorotoluene	50.000	57.461	-14.9	115	0.00
80	T	1,3,5-Trimethylbenzene	50.000	60.712	-21.4	114	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.589	-15.2	120	0.00
82	T	4-Chlorotoluene	50.000	56.898	-13.8	114	0.00
83	T	tert-Butylbenzene	50.000	58.608	-17.2	116	0.00
84	T	1,2,4-Trimethylbenzene	50.000	61.674	-23.3	117	0.00
85	T	sec-Butylbenzene	50.000	62.874	-25.7#	117	0.00
86	T	p-Isopropyltoluene	50.000	63.821	-27.6#	117	0.00
87	T	1,3-Dichlorobenzene	50.000	55.423	-10.8	115	0.00
88	T	1,4-Dichlorobenzene	50.000	51.782	-3.6	114	0.00
89	T	n-Butylbenzene	50.000	63.272	-26.5#	118	0.00
90	T	Hexachloroethane	50.000	52.727	-5.5	116	0.00
91	T	1,2-Dichlorobenzene	50.000	53.019	-6.0	115	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.293	-2.6	109	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.700	-9.4	112	0.00
94	T	Hexachlorobutadiene	50.000	50.380	-0.8	115	0.00
95	T	Naphthalene	50.000	54.297	-8.6	105	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	55.887	-11.8	112	0.00

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

Raw Data: **VN086090.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1627 SAS No.: Q1627 SDG No.: Q1627

Instrument ID: MSVOA_N Calibration Date/Time: 03/25/2025 10:27

Lab File ID: VN086090.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.594	0.677		13.97	20
1,1-Dichloroethene	0.512	0.557		8.79	20
2-Butanone	0.302	0.344		13.91	20
Carbon Tetrachloride	0.604	0.587		-2.82	20
Chloroform	1.107	1.133		2.35	20
Benzene	1.443	1.540		6.72	20
1,2-Dichloroethane	0.503	0.478		-4.97	20
Trichloroethene	0.374	0.361		-3.48	20
Tetrachloroethene	0.399	0.387		-3.01	20
Chlorobenzene	1.144	1.148	0.3	0.35	20
1,2-Dichloroethane-d4	0.685	0.681		-0.58	20
Dibromofluoromethane	0.349	0.358		2.58	20
Toluene-d8	1.267	1.350		6.55	20
4-Bromofluorobenzene	0.452	0.492		8.85	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	231359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	376282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	346115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	157468	49.704	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.400%			
35) Dibromofluoromethane	8.165	113	134729	51.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.600%			
50) Toluene-d8	10.565	98	507830	53.276	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.560%			
62) 4-Bromofluorobenzene	12.847	95	185042	54.434	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	144351	47.094	ug/l	98
3) Chloromethane	2.359	50	148662	55.324	ug/l	99
4) Vinyl Chloride	2.512	62	156599	56.997	ug/l	99
5) Bromomethane	2.942	94	93603	50.015	ug/l	98
6) Chloroethane	3.112	64	94820	54.706	ug/l	92
7) Trichlorofluoromethane	3.494	101	235778	47.738	ug/l	99
8) Diethyl Ether	3.959	74	82945	54.858	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	137947	52.552	ug/l	98
10) Methyl Iodide	4.583	142	182352	53.314	ug/l	98
11) Tert butyl alcohol	5.518	59	109989	245.212	ug/l	98
12) 1,1-Dichloroethene	4.336	96	128882	54.374	ug/l	97
13) Acrolein	4.177	56	177814	371.677	ug/l	99
14) Allyl chloride	5.024	41	158570	53.625	ug/l	97
15) Acrylonitrile	5.718	53	349363	294.919	ug/l	99
16) Acetone	4.424	43	253871	262.295	ug/l	98
17) Carbon Disulfide	4.706	76	365486	46.887	ug/l	100
18) Methyl Acetate	5.018	43	149406	62.390	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	422716	54.424	ug/l	98
20) Methylene Chloride	5.271	84	148955	52.607	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	137136	52.941	ug/l	97
22) Diisopropyl ether	6.671	45	382340	60.675	ug/l	95
23) Vinyl Acetate	6.600	43	1404300	293.979	ug/l	98
24) 1,1-Dichloroethane	6.565	63	251273	54.227	ug/l	98
25) 2-Butanone	7.477	43	398097	285.048	ug/l	96
26) 2,2-Dichloropropane	7.482	77	226204	50.705	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	160726	54.602	ug/l	99
28) Bromochloromethane	7.812	49	109660	55.857	ug/l	95
29) Tetrahydrofuran	7.835	42	272777	316.370	ug/l	95
30) Chloroform	7.965	83	262080	51.169	ug/l	99
31) Cyclohexane	8.253	56	206158	52.225	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	238504	49.193	ug/l	100
36) 1,1-Dichloropropene	8.371	75	185156	53.539	ug/l	100
37) Ethyl Acetate	7.559	43	161103	55.218	ug/l	98
38) Carbon Tetrachloride	8.359	117	220942	48.589	ug/l	99
39) Methylcyclohexane	9.600	83	185925	54.188	ug/l	94
40) Benzene	8.600	78	579356	53.365	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	82410	59.153	ug/l		95
42) 1,2-Dichloroethane	8.665	62	179900	47.557	ug/l		98
43) Isopropyl Acetate	8.682	43	266532	42.158	ug/l		99
44) Trichloroethene	9.347	130	135986	48.329	ug/l		98
45) 1,2-Dichloropropane	9.618	63	142424	57.679	ug/l		100
46) Dibromomethane	9.706	93	101819	52.433	ug/l		99
47) Bromodichloromethane	9.882	83	210315	51.821	ug/l		98
48) Methyl methacrylate	9.676	41	121770	58.367	ug/l		97
49) 1,4-Dioxane	9.694	88	57108	1157.939	ug/l		91
51) 4-Methyl-2-Pentanone	10.441	43	853814	306.218	ug/l		98
52) Toluene	10.629	92	370364	55.584	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	212820	53.995	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	227195	54.634	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	137870	54.212	ug/l		96
56) Ethyl methacrylate	10.870	69	216154	53.688	ug/l		98
57) 1,3-Dichloropropane	11.159	76	240537	55.686	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	465473	295.351	ug/l		97
59) 2-Hexanone	11.194	43	631957	311.121	ug/l		98
60) Dibromochloromethane	11.359	129	170058	51.820	ug/l		97
61) 1,2-Dibromoethane	11.465	107	138476	53.039	ug/l		97
64) Tetrachloroethene	11.100	164	133798	48.460	ug/l		99
65) Chlorobenzene	11.888	112	397294	50.163	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	146568	49.783	ug/l		99
67) Ethyl Benzene	11.959	91	687181	54.241	ug/l		98
68) m/p-Xylenes	12.070	106	549680	110.388	ug/l		100
69) o-Xylene	12.394	106	259301	56.737	ug/l		97
70) Styrene	12.406	104	449282	57.555	ug/l		98
71) Bromoform	12.576	173	120995	49.161	ug/l	#	99
73) Isopropylbenzene	12.694	105	650447	52.382	ug/l		99
74) N-amyl acetate	12.494	43	235151	56.602	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	205127	48.828	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	197766m	48.579	ug/l		
77) Bromobenzene	12.976	156	168220	48.584	ug/l		98
78) n-propylbenzene	13.035	91	765735	54.458	ug/l		100
79) 2-Chlorotoluene	13.123	91	487099	52.155	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	568702	54.245	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	77298	50.200	ug/l		99
82) 4-Chlorotoluene	13.217	91	494232	51.460	ug/l		98
83) tert-Butylbenzene	13.435	119	454624	50.703	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	570180	53.922	ug/l		99
85) sec-Butylbenzene	13.611	105	648322	55.426	ug/l		99
86) p-Isopropyltoluene	13.729	119	548158	55.360	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	313749	50.271	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	308043	46.977	ug/l		100
89) n-Butylbenzene	14.053	91	437241	54.226	ug/l		99
90) Hexachloroethane	14.329	117	108700	47.576	ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	299951	48.346	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	40345	48.111	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	142178	45.575	ug/l		98
94) Hexachlorobutadiene	15.500	225	77894	43.038	ug/l		99
95) Naphthalene	15.635	128	432683	47.898	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	141022	47.640	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

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

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

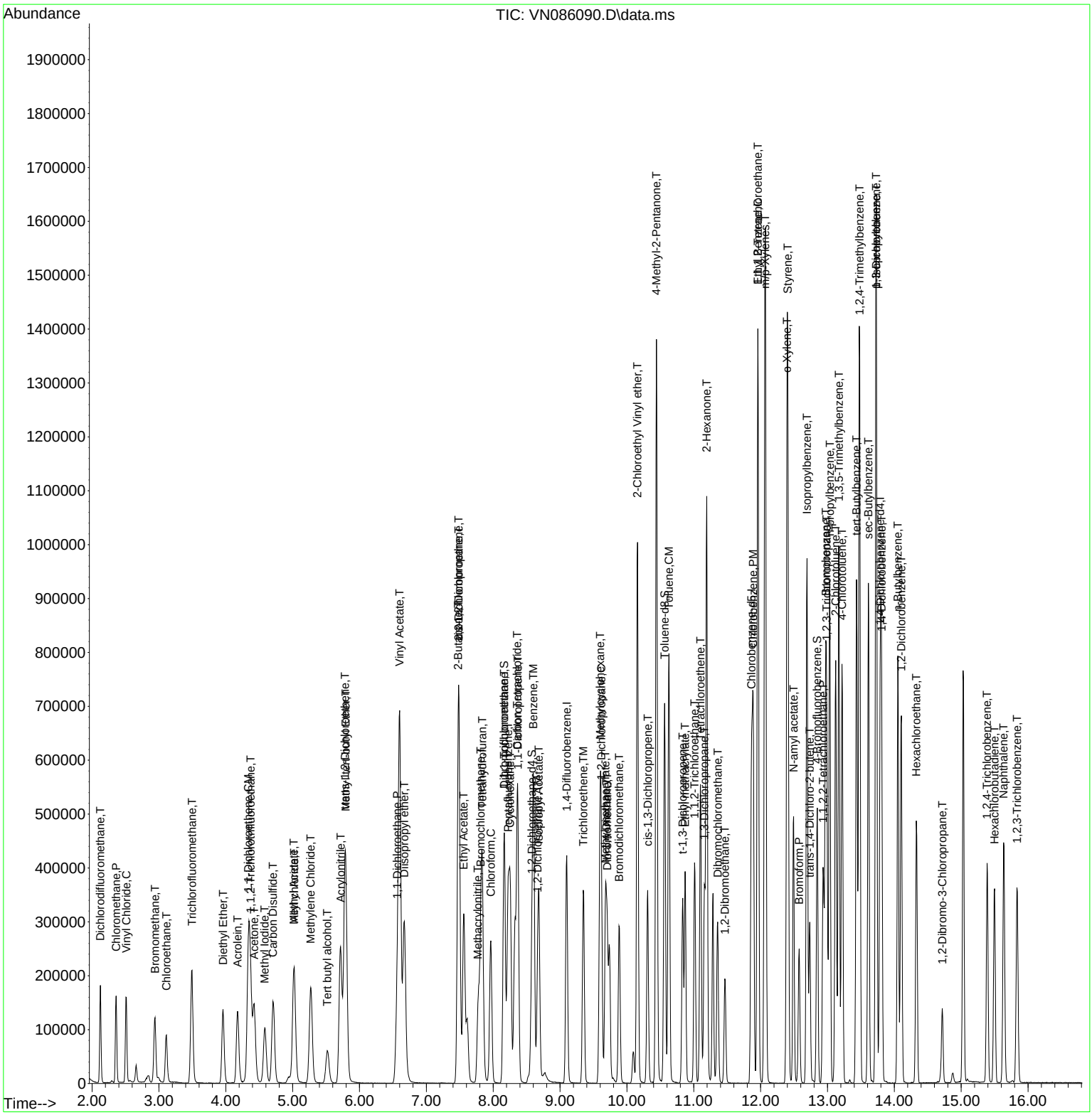
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



Sample Results: **VN086090.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	121	0.00
2	T	Dichlorodifluoromethane	0.662	0.624	5.7	117	0.00
3	P	Chloromethane	0.581	0.643	-10.7	140	0.00
4	C	Vinyl Chloride	0.594	0.677	-14.0#	138	0.00
5	T	Bromomethane	0.404	0.405	-0.2	129	0.00
6	T	Chloroethane	0.375	0.410	-9.3	150#	0.00
7	T	Trichlorofluoromethane	1.067	1.019	4.5	126	0.00
8	T	Diethyl Ether	0.327	0.359	-9.8	134	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.567	0.596	-5.1	140	0.00
10	T	Methyl Iodide	0.739	0.788	-6.6	131	0.00
11	T	Tert butyl alcohol	0.097	0.095	2.1	122	0.00
12	CM	1,1-Dichloroethene	0.512	0.557	-8.8#	131	0.00
13	T	Acrolein	0.103	0.154	-49.5#	187#	0.00
14	T	Allyl chloride	0.639	0.685	-7.2	135	0.00
15	T	Acrylonitrile	0.256	0.302	-18.0	148	0.00
16	T	Acetone	0.209	0.219	-4.8	137	0.00
17	T	Carbon Disulfide	1.685	1.580	6.2	127	0.00
18	T	Methyl Acetate	0.518	0.646	-24.7	167#	0.00
19	T	Methyl tert-butyl Ether	1.679	1.827	-8.8	131	0.00
20	T	Methylene Chloride	0.612	0.644	-5.2	138	0.00
21	T	trans-1,2-Dichloroethene	0.560	0.593	-5.9	134	0.00
22	T	Diisopropyl ether	1.362	1.653	-21.4	145	0.00
23	T	Vinyl Acetate	1.032	1.214	-17.6	138	0.00
24	P	1,1-Dichloroethane	1.001	1.086	-8.5	139	0.00
25	T	2-Butanone	0.302	0.344	-13.9	143	0.00
26	T	2,2-Dichloropropane	0.964	0.978	-1.5	128	0.00
27	T	cis-1,2-Dichloroethene	0.636	0.695	-9.3	133	0.00
28	T	Bromochloromethane	0.424	0.474	-11.8	147	0.00
29	T	Tetrahydrofuran	0.186	0.236	-26.9#	147	0.00
30	C	Chloroform	1.107	1.133	-2.3#	135	0.00
31	T	Cyclohexane	0.853	0.891	-4.5	135	0.00
32	T	1,1,1-Trichloroethane	1.048	1.031	1.6	127	0.00
33	S	1,2-Dichloroethane-d4	0.685	0.681	0.6	124	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	124	0.00
35	S	Dibromofluoromethane	0.349	0.358	-2.6	133	0.00
36	T	1,1-Dichloropropene	0.460	0.492	-7.0	134	0.00
37	T	Ethyl Acetate	0.388	0.428	-10.3	144	0.00
38	T	Carbon Tetrachloride	0.604	0.587	2.8	126	0.00
39	T	Methylcyclohexane	0.456	0.494	-8.3	129	0.00
40	TM	Benzene	1.443	1.540	-6.7	137	0.00
41	T	Methacrylonitrile	0.185	0.219	-18.4	141	0.00
42	TM	1,2-Dichloroethane	0.503	0.478	5.0	125	0.00
43	T	Isopropyl Acetate	0.840	0.708	15.7	128	0.00
44	TM	Trichloroethene	0.374	0.361	3.5	129	0.00
45	C	1,2-Dichloropropane	0.328	0.379	-15.5#	146	0.00
46	T	Dibromomethane	0.258	0.271	-5.0	138	0.00
47	T	Bromodichloromethane	0.539	0.559	-3.7	134	0.00
48	T	Methyl methacrylate	0.277	0.324	-17.0	139	0.00

Sample Results: **VN086090.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	137	0.00
50	S	Toluene-d8	1.267	1.350	-6.6	132	0.00
51	T	4-Methyl-2-Pentanone	0.371	0.454	-22.4	146	0.00
52	CM	Toluene	0.885	0.984	-11.2#	133	0.00
53	T	t-1,3-Dichloropropene	0.524	0.566	-8.0	130	0.00
54	T	cis-1,3-Dichloropropene	0.553	0.604	-9.2	132	0.00
55	T	1,1,2-Trichloroethane	0.338	0.366	-8.3	139	0.00
56	T	Ethyl methacrylate	0.463	0.574	-24.0	135	0.00
57	T	1,3-Dichloropropane	0.574	0.639	-11.3	140	0.00
58	T	2-Chloroethyl Vinyl ether	0.183	0.247	-35.0#	144	0.00
59	T	2-Hexanone	0.270	0.336	-24.4	146	0.00
60	T	Dibromochloromethane	0.436	0.452	-3.7	130	0.00
61	T	1,2-Dibromoethane	0.347	0.368	-6.1	130	0.00
62	S	4-Bromofluorobenzene	0.452	0.492	-8.8	131	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	127	0.00
64	T	Tetrachloroethene	0.399	0.387	3.0	132	0.00
65	PM	Chlorobenzene	1.144	1.148	-0.3	134	0.00
66	T	1,1,1,2-Tetrachloroethane	0.425	0.423	0.5	132	0.00
67	C	Ethyl Benzene	1.830	1.985	-8.5#	131	0.00
68	T	m/p-Xylenes	0.719	0.794	-10.4	133	0.00
69	T	o-Xylene	0.660	0.749	-13.5	133	0.00
70	T	Styrene	1.128	1.298	-15.1	135	0.00
71	P	Bromoform	0.356	0.350	1.7	128	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	0.00
73	T	Isopropylbenzene	3.414	3.577	-4.8	131	0.00
74	T	N-amyl acetate	1.142	1.293	-13.2	140	0.00
75	P	1,1,2,2-Tetrachloroethane	1.155	1.128	2.3	141	0.00
76	T	1,2,3-Trichloropropane	1.119	1.088	2.8	124	0.00
77	T	Bromobenzene	0.952	0.925	2.8	134	0.00
78	T	n-propylbenzene	3.866	4.211	-8.9	133	0.00
79	T	2-Chlorotoluene	2.568	2.679	-4.3	135	0.00
80	T	1,3,5-Trimethylbenzene	2.883	3.128	-8.5	132	0.00
81	T	trans-1,4-Dichloro-2-butene	0.423	0.425	-0.5	135	0.00
82	T	4-Chlorotoluene	2.641	2.718	-2.9	133	0.00
83	T	tert-Butylbenzene	2.466	2.500	-1.4	129	0.00
84	T	1,2,4-Trimethylbenzene	2.908	3.136	-7.8	132	0.00
85	T	sec-Butylbenzene	3.216	3.565	-10.9	134	0.00
86	T	p-Isopropyltoluene	2.723	3.015	-10.7	131	0.00
87	T	1,3-Dichlorobenzene	1.716	1.725	-0.5	135	0.00
88	T	1,4-Dichlorobenzene	1.803	1.694	6.0	134	0.00
89	T	n-Butylbenzene	2.217	2.405	-8.5	131	0.00
90	T	Hexachloroethane	0.628	0.598	4.8	135	0.00
91	T	1,2-Dichlorobenzene	1.706	1.650	3.3	136	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.231	0.222	3.9	132	0.00
93	T	1,2,4-Trichlorobenzene	0.858	0.782	8.9	121	0.00
94	T	Hexachlorobutadiene	0.498	0.428	14.1	128	0.00
95	T	Naphthalene	2.484	2.379	4.2	120	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	0.814	0.776	4.7	123	0.00

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

Sample Results: **VN086090.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	121	0.00
2	T	Dichlorodifluoromethane	50.000	47.094	5.8	117	0.00
3	P	Chloromethane	50.000	55.324	-10.6	140	0.00
4	C	Vinyl Chloride	50.000	56.997	-14.0#	138	0.00
5	T	Bromomethane	50.000	50.015	-0.0	129	0.00
6	T	Chloroethane	50.000	54.706	-9.4	150	0.00
7	T	Trichlorofluoromethane	50.000	47.738	4.5	126	0.00
8	T	Diethyl Ether	50.000	54.858	-9.7	134	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.552	-5.1	140	0.00
10	T	Methyl Iodide	50.000	53.314	-6.6	131	0.00
11	T	Tert butyl alcohol	250.000	245.212	1.9	122	0.00
12	CM	1,1-Dichloroethene	50.000	54.374	-8.7#	131	0.00
13	T	Acrolein	250.000	371.677	-48.7#	187	0.00
14	T	Allyl chloride	50.000	53.625	-7.2	135	0.00
15	T	Acrylonitrile	250.000	294.919	-18.0	148	0.00
16	T	Acetone	250.000	262.295	-4.9	137	0.00
17	T	Carbon Disulfide	50.000	46.887	6.2	127	0.00
18	T	Methyl Acetate	50.000	62.390	-24.8	167	0.00
19	T	Methyl tert-butyl Ether	50.000	54.424	-8.8	131	0.00
20	T	Methylene Chloride	50.000	52.607	-5.2	138	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.941	-5.9	134	0.00
22	T	Diisopropyl ether	50.000	60.675	-21.3	145	0.00
23	T	Vinyl Acetate	250.000	293.979	-17.6	138	0.00
24	P	1,1-Dichloroethane	50.000	54.227	-8.5	139	0.00
25	T	2-Butanone	250.000	285.048	-14.0	143	0.00
26	T	2,2-Dichloropropane	50.000	50.705	-1.4	128	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.602	-9.2	133	0.00
28	T	Bromochloromethane	50.000	55.857	-11.7	147	0.00
29	T	Tetrahydrofuran	250.000	316.370	-26.5#	147	0.00
30	C	Chloroform	50.000	51.169	-2.3#	135	0.00
31	T	Cyclohexane	50.000	52.225	-4.5	135	0.00
32	T	1,1,1-Trichloroethane	50.000	49.193	1.6	127	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.704	0.6	124	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	124	0.00
35	S	Dibromofluoromethane	50.000	51.298	-2.6	133	0.00
36	T	1,1-Dichloropropene	50.000	53.539	-7.1	134	0.00
37	T	Ethyl Acetate	50.000	55.218	-10.4	144	0.00
38	T	Carbon Tetrachloride	50.000	48.589	2.8	126	0.00
39	T	Methylcyclohexane	50.000	54.188	-8.4	129	0.00
40	TM	Benzene	50.000	53.365	-6.7	137	0.00
41	T	Methacrylonitrile	50.000	59.153	-18.3	141	0.00
42	TM	1,2-Dichloroethane	50.000	47.557	4.9	125	0.00
43	T	Isopropyl Acetate	50.000	42.158	15.7	128	0.00
44	TM	Trichloroethene	50.000	48.329	3.3	129	0.00
45	C	1,2-Dichloropropane	50.000	57.679	-15.4#	146	0.00
46	T	Dibromomethane	50.000	52.433	-4.9	138	0.00
47	T	Bromodichloromethane	50.000	51.821	-3.6	134	0.00
48	T	Methyl methacrylate	50.000	58.367	-16.7	139	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	1157.939	-15.8	137	0.00
50	S	Toluene-d8	50.000	53.276	-6.6	132	0.00
51	T	4-Methyl-2-Pentanone	250.000	306.218	-22.5	146	0.00
52	CM	Toluene	50.000	55.584	-11.2#	133	0.00
53	T	t-1,3-Dichloropropene	50.000	53.995	-8.0	130	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.634	-9.3	132	0.00
55	T	1,1,2-Trichloroethane	50.000	54.212	-8.4	139	0.00
56	T	Ethyl methacrylate	50.000	53.688	-7.4	135	0.00
57	T	1,3-Dichloropropane	50.000	55.686	-11.4	140	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	295.351	-18.1	144	0.00
59	T	2-Hexanone	250.000	311.121	-24.4	146	0.00
60	T	Dibromochloromethane	50.000	51.820	-3.6	130	0.00
61	T	1,2-Dibromoethane	50.000	53.039	-6.1	130	0.00
62	S	4-Bromofluorobenzene	50.000	54.434	-8.9	131	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	127	0.00
64	T	Tetrachloroethene	50.000	48.460	3.1	132	0.00
65	PM	Chlorobenzene	50.000	50.163	-0.3	134	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.783	0.4	132	0.00
67	C	Ethyl Benzene	50.000	54.241	-8.5#	131	0.00
68	T	m/p-Xylenes	100.000	110.388	-10.4	133	0.00
69	T	o-Xylene	50.000	56.737	-13.5	133	0.00
70	T	Styrene	50.000	57.555	-15.1	135	0.00
71	P	Bromoform	50.000	49.161	1.7	128	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	132	0.00
73	T	Isopropylbenzene	50.000	52.382	-4.8	131	0.00
74	T	N-amyl acetate	50.000	56.602	-13.2	140	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.828	2.3	141	0.00
76	T	1,2,3-Trichloropropane	50.000	48.579	2.8	124	0.00
77	T	Bromobenzene	50.000	48.584	2.8	134	0.00
78	T	n-propylbenzene	50.000	54.458	-8.9	133	0.00
79	T	2-Chlorotoluene	50.000	52.155	-4.3	135	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.245	-8.5	132	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.200	-0.4	135	0.00
82	T	4-Chlorotoluene	50.000	51.460	-2.9	133	0.00
83	T	tert-Butylbenzene	50.000	50.703	-1.4	129	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.922	-7.8	132	0.00
85	T	sec-Butylbenzene	50.000	55.426	-10.9	134	0.00
86	T	p-Isopropyltoluene	50.000	55.360	-10.7	131	0.00
87	T	1,3-Dichlorobenzene	50.000	50.271	-0.5	135	0.00
88	T	1,4-Dichlorobenzene	50.000	46.977	6.0	134	0.00
89	T	n-Butylbenzene	50.000	54.226	-8.5	131	0.00
90	T	Hexachloroethane	50.000	47.576	4.8	135	0.00
91	T	1,2-Dichlorobenzene	50.000	48.346	3.3	136	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.111	3.8	132	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.575	8.8	121	0.00
94	T	Hexachlorobutadiene	50.000	43.038	13.9	128	0.00
95	T	Naphthalene	50.000	47.898	4.2	120	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	47.640	4.7	123	0.00

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

QC SAMPLE DATA

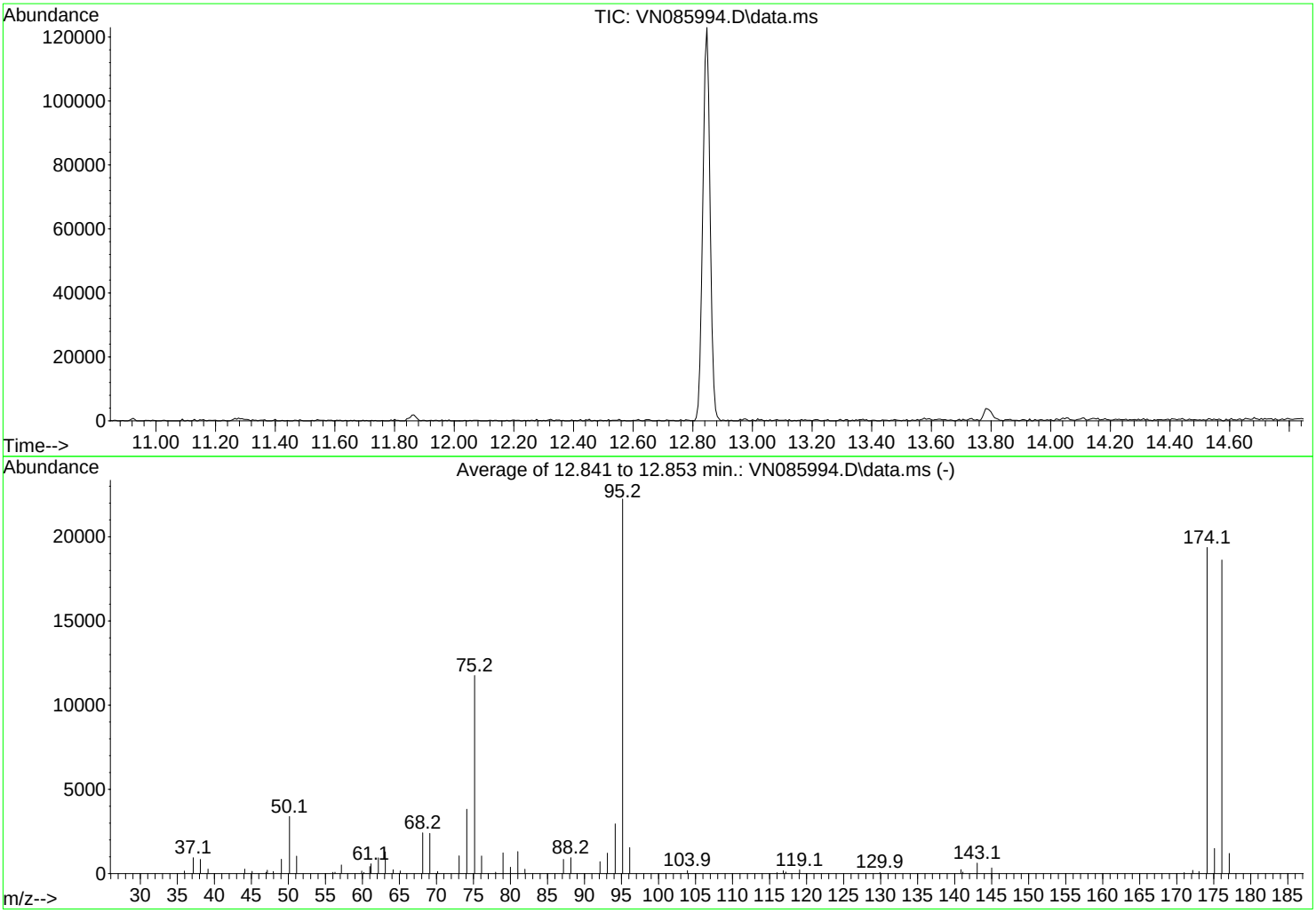
Sample Results: **VN085994.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085994.D
Acq On : 18 Mar 2025 08:52
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\82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	3392	PASS
75	95	30	60	52.9	11766	PASS
95	95	100	100	100.0	22245	PASS
96	95	5	9	6.9	1542	PASS
173	174	0.00	2	0.7	126	PASS
174	95	50	100	87.1	19365	PASS
175	174	5	9	7.7	1497	PASS
176	174	95	101	96.2	18624	PASS
177	176	5	9	6.4	1198	PASS

Average of 12.841 to 12.853 min.: VN085994.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	156	51.10	1035	65.10	157	81.00	131
37.15	946	56.00	73	68.15	2419	81.95	26
38.10	841	56.30	84	69.10	2389	87.15	84
39.15	274	57.15	518	70.15	126	88.15	94
44.10	272	59.90	150	73.05	1053	92.10	711
45.10	136	60.20	68	74.10	3825	93.10	1217
47.00	83	61.00	426	75.15	11766	94.15	2957
47.15	204	61.15	582	76.10	1047	95.15	22245
47.95	123	62.15	935	78.00	81	96.10	1542
49.05	855	63.10	1288	79.00	1234	103.90	175
50.15	3392	64.15	232	80.00	379	116.00	62

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085994.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.85	173	174.10	19365				
117.20	93	175.10	1497				
119.05	226	176.10	18624				
129.90	71	177.10	1198				
140.85	239						
141.10	92						
143.05	623						
145.00	335						
171.00	57						
172.15	198						
173.00	126						

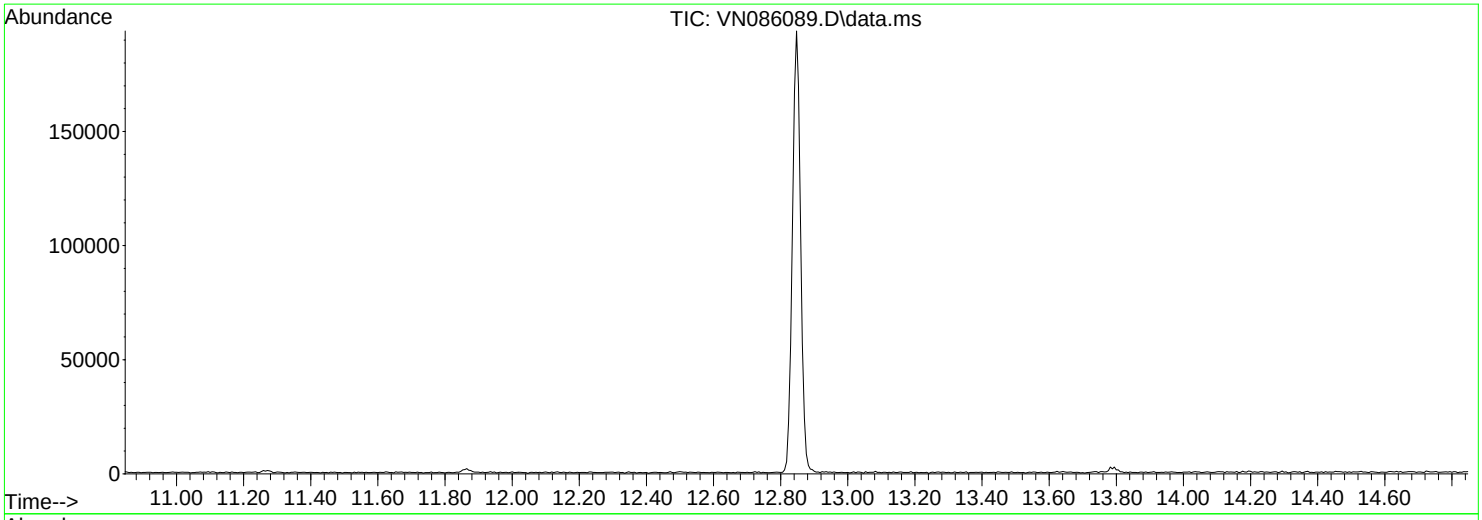
Sample Results: **VN086089.D**

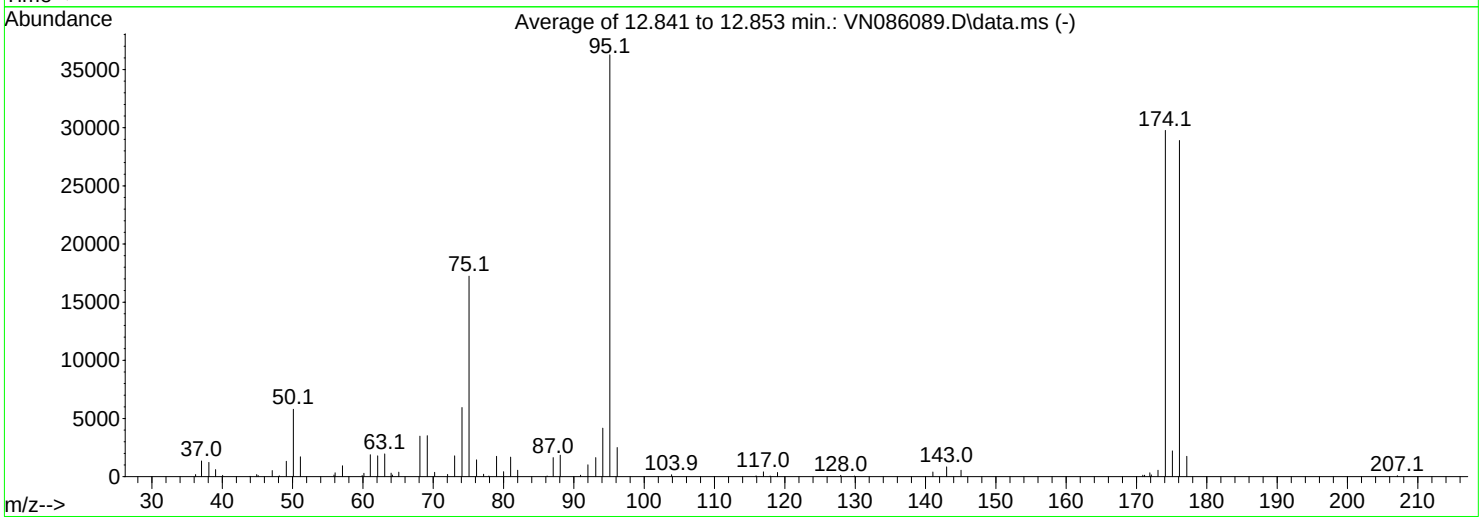
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086089.D
Acq On : 25 Mar 2025 09:39
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	5790	PASS
75	95	30	60	47.5	17230	PASS
95	95	100	100	100.0	36261	PASS
96	95	5	9	6.9	2503	PASS
173	174	0.00	2	1.8	546	PASS
174	95	50	100	82.1	29765	PASS
175	174	5	9	7.4	2212	PASS
176	174	95	101	97.1	28901	PASS
177	176	5	9	6.1	1749	PASS

Average of 12.841 to 12.853 min.: VN086089.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	183	50.10	5790	64.20	135	77.90	5
37.05	1354	51.10	1700	65.10	388	79.00	174
38.10	1218	55.90	142	68.10	3487	80.00	43
39.05	605	56.05	326	69.15	3520	81.00	168
40.05	113	57.10	936	70.20	370	82.00	547
43.95	26	59.90	103	72.05	191	86.20	54
44.90	185	60.15	286	73.05	1785	87.05	1638
45.10	99	61.05	1887	74.10	5941	88.05	1851
47.10	521	62.10	1790	75.10	17230	90.95	121
48.10	70	63.10	1948	76.15	1451	92.00	1022
49.10	1325	64.00	302	77.15	209	93.10	1639

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086089.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	4162	143.00	846	207.10	86		
95.10	36261	145.05	551				
96.15	2503	170.90	119				
103.90	167	171.15	121				
115.90	77	171.90	337				
116.95	416	172.10	158				
117.90	54	173.05	546				
118.95	363	174.10	29765				
127.95	105	175.10	2212				
129.90	52	176.10	28901				
141.05	403	177.15	1749				

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	DOT Harper Street Yard - North Side	Date Received:	
Client Sample ID:	VN0325WBL01	SDG No.:	Q1627
Lab Sample ID:	VN0325WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VN086092.D	1		03/25/25 11:26	VN032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.6		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		77 - 121	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	8.224			
540-36-3	1,4-Difluorobenzene	371000	9.1			
3114-55-4	Chlorobenzene-d5	326000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

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\VN032525\
Data File : VN086092.D
Acq On : 25 Mar 2025 11:26
Operator : JC\MD
Sample : VN0325WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBL01

Quant Time: Mar 26 03:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	201384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	370671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148116	53.711	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.420%			
35) Dibromofluoromethane	8.165	113	130697	50.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.040%			
50) Toluene-d8	10.565	98	447092	47.614	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.220%			
62) 4-Bromofluorobenzene	12.847	95	144141	43.044	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.080%			

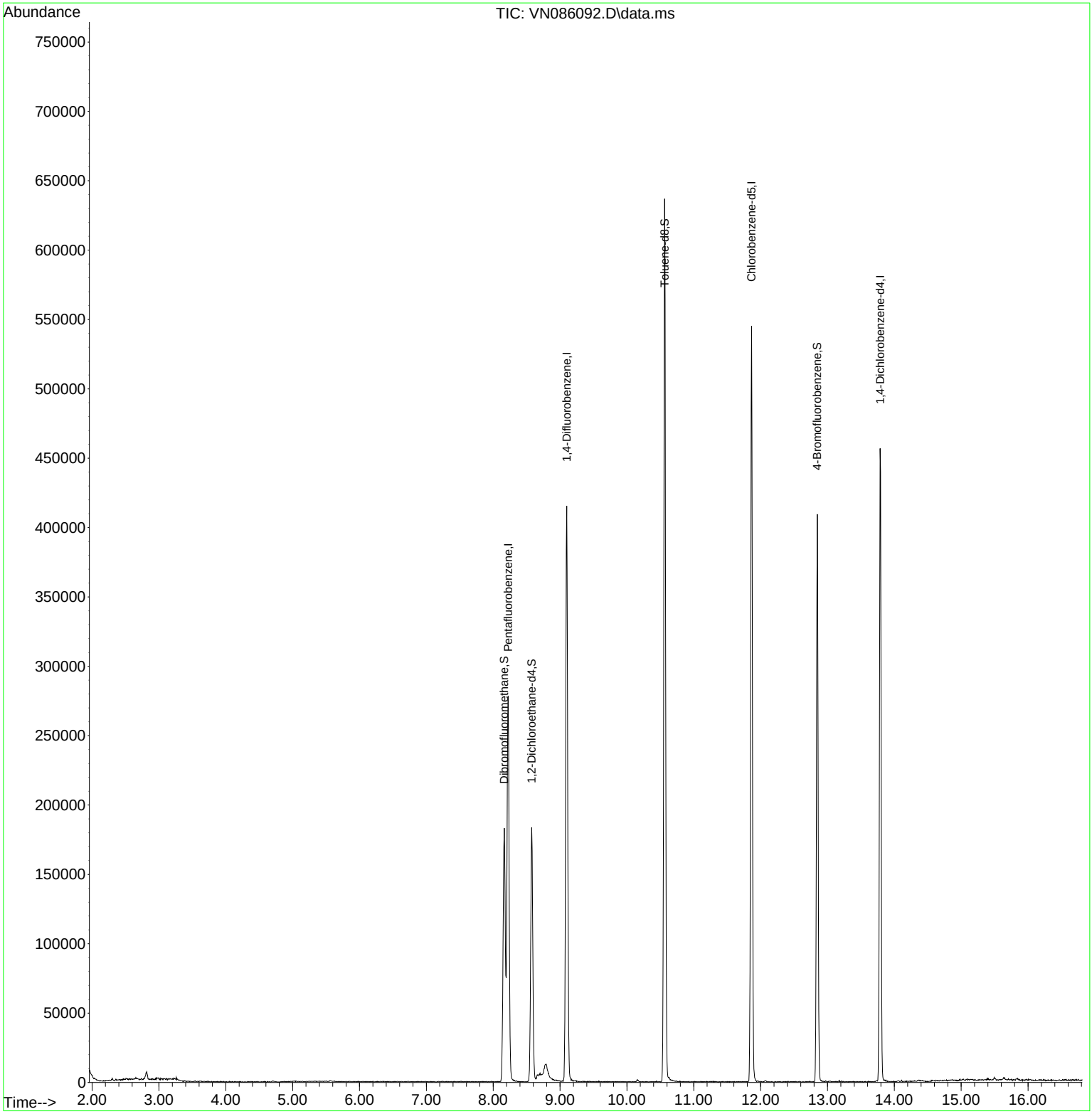
Target Compounds Qvalue

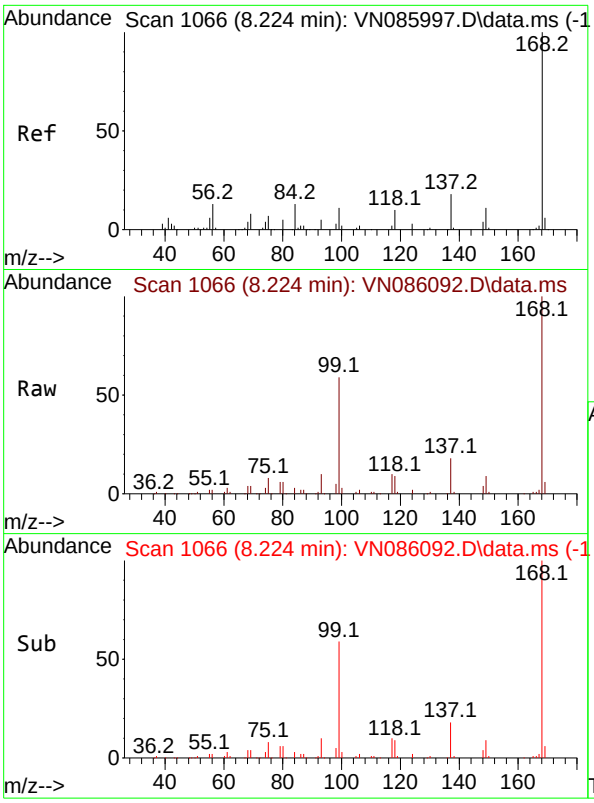
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086092.D
Acq On : 25 Mar 2025 11:26
Operator : JC\MD
Sample : VN0325WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBL01

Quant Time: Mar 26 03:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



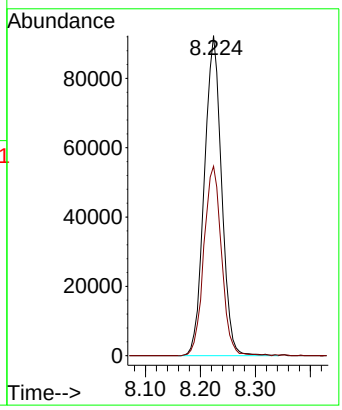


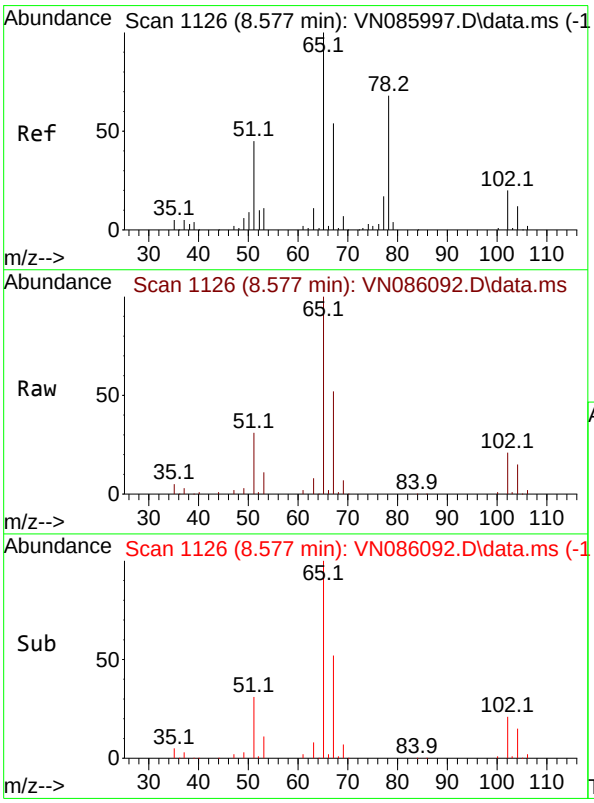
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBL01

Tgt Ion:168 Resp: 201384

Ion	Ratio	Lower	Upper
168	100		
99	59.2	49.4	74.2

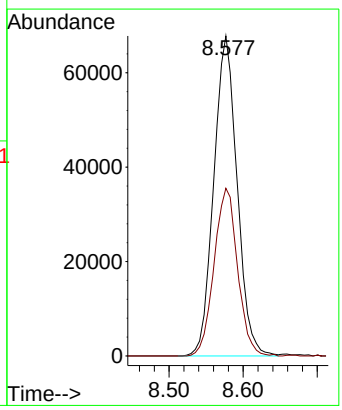


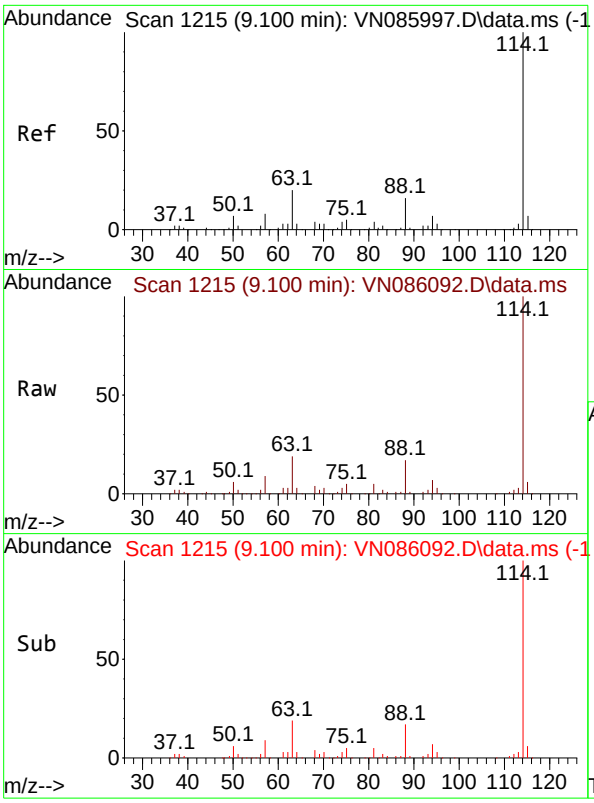


#33
1,2-Dichloroethane-d4
Concen: 53.711 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

Tgt Ion: 65 Resp: 148116

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.2



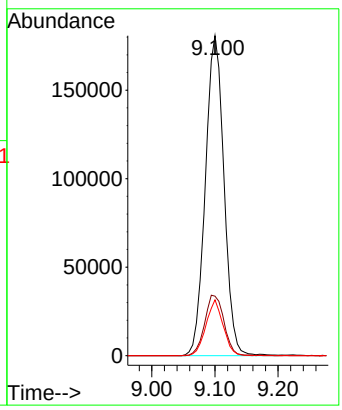


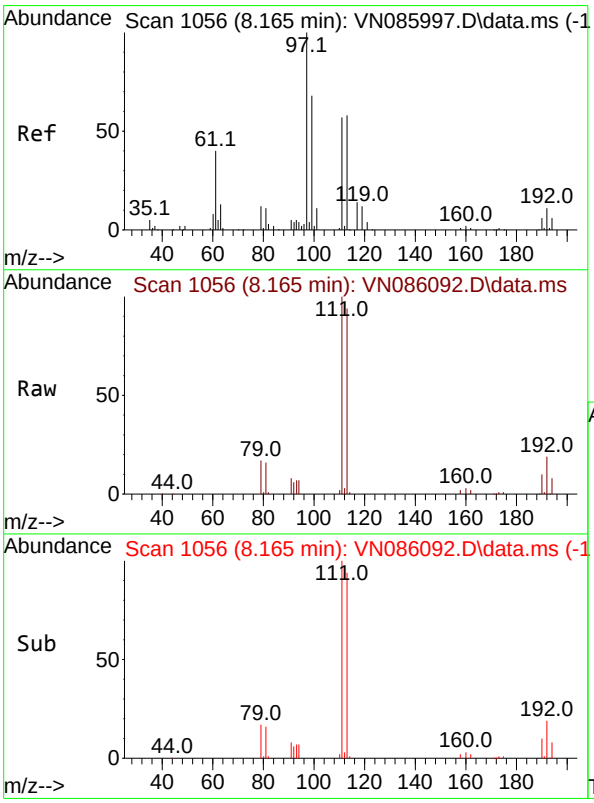
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBL01

Tgt Ion:114 Resp: 370671

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.6
88	17.5	0.0	32.6

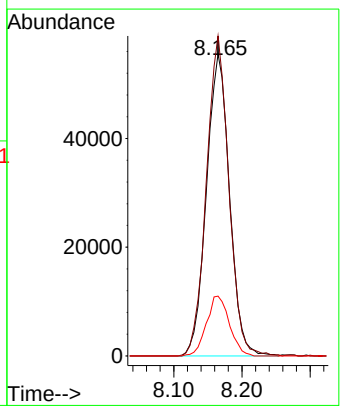


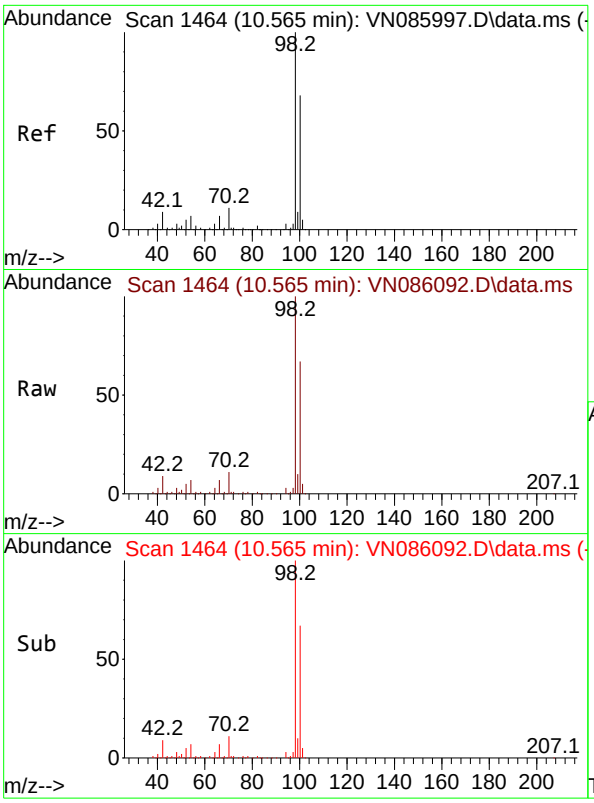


#35
Dibromofluoromethane
Concen: 50.516 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

Tgt Ion:113 Resp: 130697

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	19.7	15.9	23.9



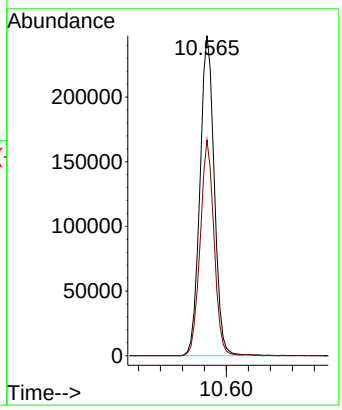


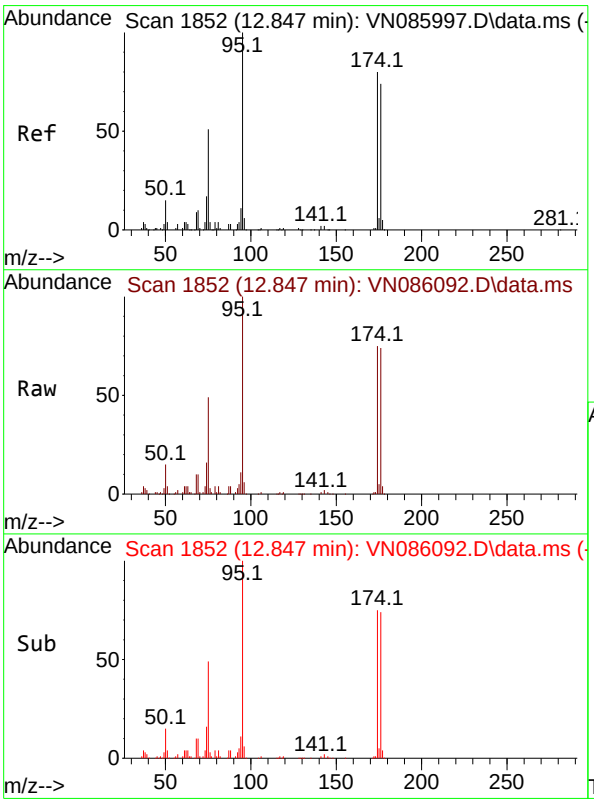
#50
Toluene-d8
Concen: 47.614 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBL01

Tgt Ion: 98 Resp: 447092

Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.1	79.7

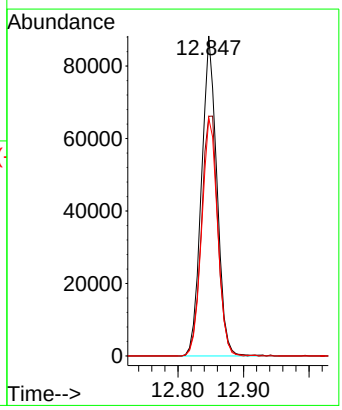


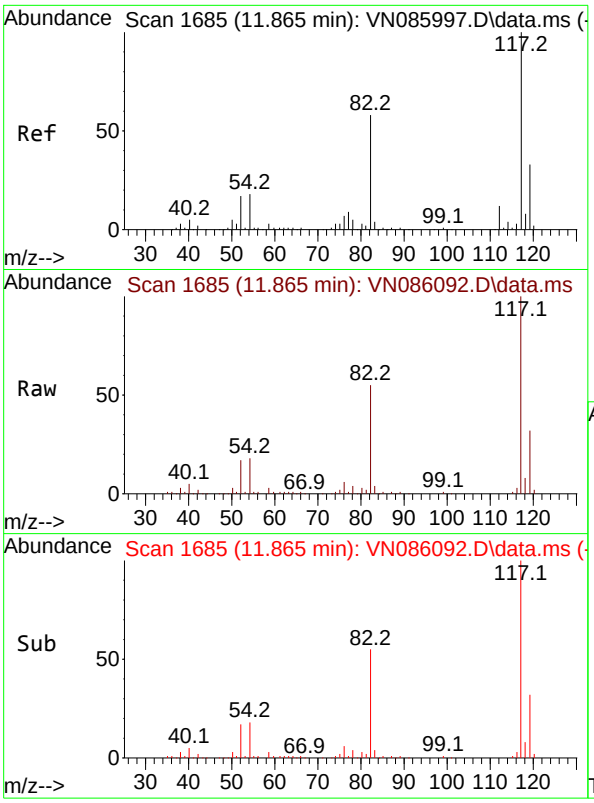


#62
4-Bromofluorobenzene
Concen: 43.044 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

Tgt Ion: 95 Resp: 144141

Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	156.8
176	76.3	0.0	152.2



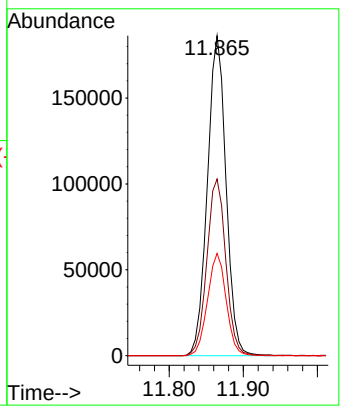


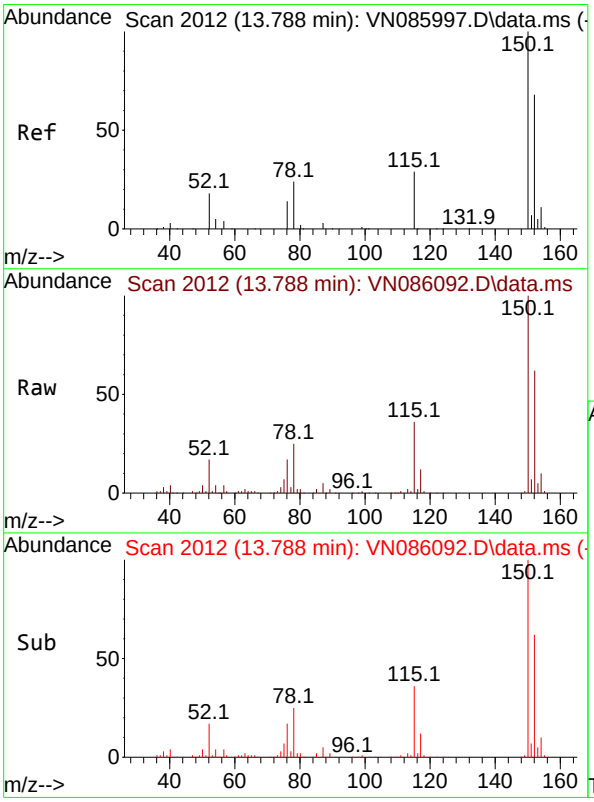
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBL01

Tgt Ion:117 Resp: 325680

Ion	Ratio	Lower	Upper
117	100		
82	55.2	46.7	70.1
119	31.9	26.5	39.7

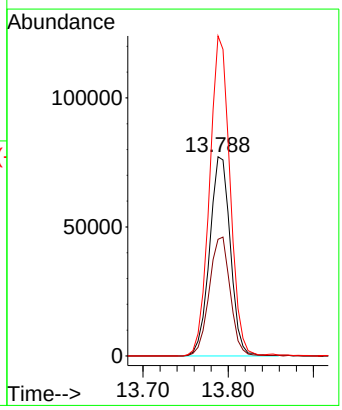




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

Tgt Ion:152 Resp: 130926

Ion	Ratio	Lower	Upper
152	100		
115	60.4	31.1	93.2
150	157.9	0.0	359.6



Raw Data: **VN086094.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	DOT Harper Street Yard - North Side	Date Received:	
Client Sample ID:	VN0325WBS01	SDG No.:	Q1627
Lab Sample ID:	VN0325WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VN086094.D	1		03/25/25 12:39	VN032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	20.7		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.6		0.23	1.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	1.00	ug/L
71-43-2	Benzene	20.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	20.1		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	53.9		86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	8.224			
540-36-3	1,4-Difluorobenzene	325000	9.1			
3114-55-4	Chlorobenzene-d5	286000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.788			

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

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

Sample Results: **VN086094.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086094.D
Acq On : 25 Mar 2025 12:39
Operator : JC\MD
Sample : VN0325WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	200228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142002	51.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.580%			
35) Dibromofluoromethane	8.165	113	120271	53.094	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.180%			
50) Toluene-d8	10.565	98	442829	53.864	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.720%			
62) 4-Bromofluorobenzene	12.847	95	153130	52.228	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	47142	17.771	ug/l	95
3) Chloromethane	2.359	50	48855	21.008	ug/l	98
4) Vinyl Chloride	2.512	62	49320	20.742	ug/l	97
5) Bromomethane	2.953	94	33206	20.502	ug/l	97
6) Chloroethane	3.118	64	32333	21.555	ug/l	100
7) Trichlorofluoromethane	3.500	101	77528	18.138	ug/l	97
8) Diethyl Ether	3.959	74	27412	20.949	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	44637	19.649	ug/l	99
10) Methyl Iodide	4.589	142	59970	20.259	ug/l	98
11) Tert butyl alcohol	5.524	59	38186	98.369	ug/l	97
12) 1,1-Dichloroethene	4.347	96	42182	20.563	ug/l	94
13) Acrolein	4.177	56	40579	98.008	ug/l	92
14) Allyl chloride	5.024	41	51338	20.061	ug/l	95
15) Acrylonitrile	5.718	53	115003	112.175	ug/l	98
16) Acetone	4.430	43	85053	101.538	ug/l	95
17) Carbon Disulfide	4.712	76	117769	17.457	ug/l	100
18) Methyl Acetate	5.018	43	52186	25.180	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	139445	20.745	ug/l	100
20) Methylene Chloride	5.277	84	51501	21.017	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	45243	20.182	ug/l	95
22) Diisopropyl ether	6.671	45	131002	24.022	ug/l	93
23) Vinyl Acetate	6.606	43	458741	110.965	ug/l	97
24) 1,1-Dichloroethane	6.571	63	84925	21.177	ug/l	97
25) 2-Butanone	7.483	43	132339	109.491	ug/l	96
26) 2,2-Dichloropropane	7.483	77	69919	18.110	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	53672	21.069	ug/l	99
28) Bromochloromethane	7.812	49	40743	23.980	ug/l	96
29) Tetrahydrofuran	7.835	42	90039	120.665	ug/l	94
30) Chloroform	7.965	83	90288	20.369	ug/l	96
31) Cyclohexane	8.259	56	66371	19.428	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	80624	19.215	ug/l	97
36) 1,1-Dichloropropene	8.371	75	59099	19.813	ug/l	99
37) Ethyl Acetate	7.559	43	55825	22.184	ug/l	98
38) Carbon Tetrachloride	8.359	117	72887	18.585	ug/l	98
39) Methylcyclohexane	9.600	83	55931	18.900	ug/l	99
40) Benzene	8.606	78	194385	20.760	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086094.D
Acq On : 25 Mar 2025 12:39
Operator : JC\MD
Sample : VN0325WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	28779	23.951	ug/l		94
42) 1,2-Dichloroethane	8.671	62	65677	20.130	ug/l		99
43) Isopropyl Acetate	8.688	43	94173	17.270	ug/l		96
44) Trichloroethene	9.347	130	45300	18.666	ug/l		98
45) 1,2-Dichloropropane	9.618	63	48492	22.769	ug/l		96
46) Dibromomethane	9.706	93	34741	20.742	ug/l		98
47) Bromodichloromethane	9.888	83	72524	20.719	ug/l		97
48) Methyl methacrylate	9.682	41	39343	21.864	ug/l		97
49) 1,4-Dioxane	9.688	88	19360	455.133	ug/l		93
51) 4-Methyl-2-Pentanone	10.441	43	285096	118.550	ug/l		97
52) Toluene	10.629	92	123085	21.417	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	70052	20.607	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	74599	20.799	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	48046	21.904	ug/l		97
56) Ethyl methacrylate	10.871	69	65070	21.540	ug/l		96
57) 1,3-Dichloropropane	11.159	76	80267	21.545	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	138859	119.962	ug/l		99
59) 2-Hexanone	11.194	43	202492	115.583	ug/l		96
60) Dibromochloromethane	11.359	129	58978	20.837	ug/l		99
61) 1,2-Dibromoethane	11.465	107	46988	20.866	ug/l		95
64) Tetrachloroethene	11.100	164	45834	20.089	ug/l		96
65) Chlorobenzene	11.888	112	130241	19.900	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	50560	20.781	ug/l		100
67) Ethyl Benzene	11.959	91	210052	20.064	ug/l		99
68) m/p-Xylenes	12.070	106	169254	41.132	ug/l		98
69) o-Xylene	12.394	106	78427	20.766	ug/l		96
70) Styrene	12.412	104	134416	20.837	ug/l		98
71) Bromoform	12.576	173	40980	20.149	ug/l	#	100
73) Isopropylbenzene	12.694	105	192849	20.254	ug/l		99
74) N-amyl acetate	12.494	43	70288	22.065	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	68421	21.241	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	66566m	21.325	ug/l		
77) Bromobenzene	12.976	156	52643	19.828	ug/l		97
78) n-propylbenzene	13.035	91	225748	20.938	ug/l		99
79) 2-Chlorotoluene	13.123	91	148595	20.750	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	168119	20.913	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	24866	21.060	ug/l		95
82) 4-Chlorotoluene	13.217	91	150275	20.406	ug/l		99
83) tert-Butylbenzene	13.435	119	132020	19.202	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	169874	20.951	ug/l		99
85) sec-Butylbenzene	13.612	105	183683	20.480	ug/l		100
86) p-Isopropyltoluene	13.729	119	150162	19.778	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	96274	20.117	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	93804	18.656	ug/l		98
89) n-Butylbenzene	14.053	91	112330	18.168	ug/l		99
90) Hexachloroethane	14.335	117	32697	18.664	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	91245	19.180	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12856	19.993	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	39788	16.633	ug/l		97
94) Hexachlorobutadiene	15.494	225	22756	16.397	ug/l		97
95) Naphthalene	15.641	128	113242	16.349	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	40932	18.033	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086094.D
Acq On : 25 Mar 2025 12:39
Operator : JC\MD
Sample : VN0325WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

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

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

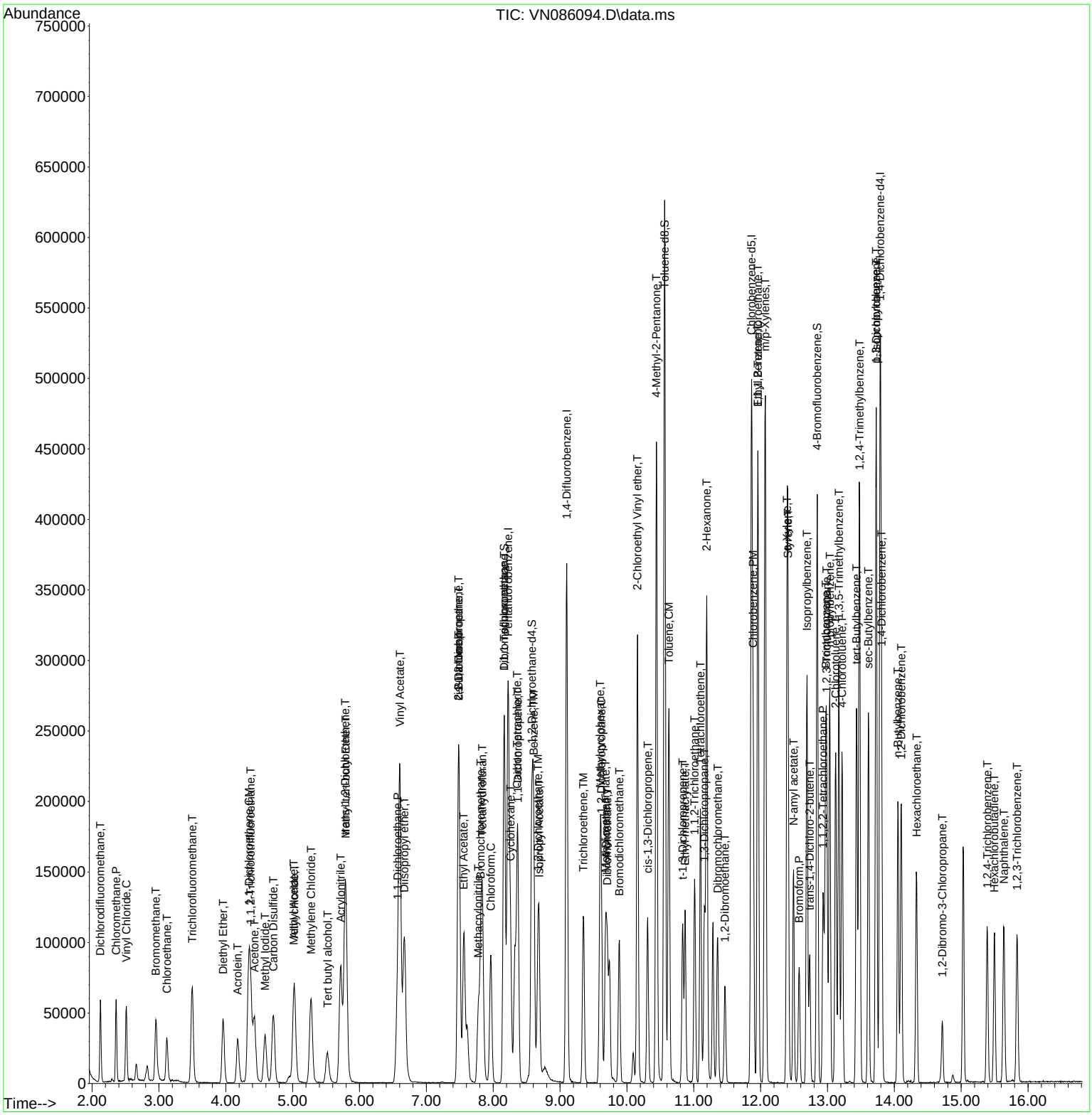
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086094.D
Acq On : 25 Mar 2025 12:39
Operator : JC\MD
Sample : VN0325WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	DOT Harper Street Yard - North Side	Date Received:	
Client Sample ID:	VN0325WBSD01	SDG No.:	Q1627
Lab Sample ID:	VN0325WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VN086106.D	1		03/25/25 17:28	VN032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	20.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
78-93-3	2-Butanone	87.6		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	1.00	ug/L
67-66-3	Chloroform	19.7		0.25	1.00	ug/L
71-43-2	Benzene	19.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.5		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	52.9		86 - 113	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	8.218			
540-36-3	1,4-Difluorobenzene	321000	9.1			
3114-55-4	Chlorobenzene-d5	280000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788			

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\VN032525\
Data File : VN086106.D
Acq On : 25 Mar 2025 17:28
Operator : JC\MD
Sample : VN0325WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 03:22:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	194343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139435	52.395	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.800%			
35) Dibromofluoromethane	8.165	113	115231	51.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	10.565	98	430988	52.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.860%			
62) 4-Bromofluorobenzene	12.847	95	146790	50.550	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	45273	17.584	ug/l	94
3) Chloromethane	2.359	50	43839	19.422	ug/l	96
4) Vinyl Chloride	2.512	62	46758	20.260	ug/l	97
5) Bromomethane	2.959	94	28536	18.152	ug/l	90
6) Chloroethane	3.118	64	29005	19.922	ug/l	96
7) Trichlorofluoromethane	3.501	101	74092	17.859	ug/l	97
8) Diethyl Ether	3.965	74	22726	17.893	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	42410	19.234	ug/l	96
10) Methyl Iodide	4.589	142	53138	18.495	ug/l	92
11) Tert butyl alcohol	5.512	59	27645	73.371	ug/l	99
12) 1,1-Dichloroethene	4.342	96	38276	19.224	ug/l	92
13) Acrolein	4.177	56	31196	77.628	ug/l	94
14) Allyl chloride	5.024	41	44521	17.924	ug/l	98
15) Acrylonitrile	5.712	53	93163	93.624	ug/l	99
16) Acetone	4.424	43	68966	84.826	ug/l	95
17) Carbon Disulfide	4.712	76	109854	16.777	ug/l	100
18) Methyl Acetate	5.018	43	42517	21.136	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	117524	18.013	ug/l	97
20) Methylene Chloride	5.277	84	45867	19.284	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	41384	19.019	ug/l	92
22) Diisopropyl ether	6.671	45	113703	21.481	ug/l	96
23) Vinyl Acetate	6.600	43	385176	95.992	ug/l	97
24) 1,1-Dichloroethane	6.565	63	78646	20.205	ug/l	99
25) 2-Butanone	7.483	43	102788	87.617	ug/l	92
26) 2,2-Dichloropropane	7.489	77	60514	16.148	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	47010	19.012	ug/l	98
28) Bromochloromethane	7.812	49	34646	21.009	ug/l	95
29) Tetrahydrofuran	7.841	42	69591	96.086	ug/l	94
30) Chloroform	7.959	83	84967	19.749	ug/l	100
31) Cyclohexane	8.253	56	63270	19.081	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	77454	19.018	ug/l	97
36) 1,1-Dichloropropene	8.371	75	56101	18.990	ug/l	99
37) Ethyl Acetate	7.559	43	46507	18.661	ug/l	97
38) Carbon Tetrachloride	8.359	117	70363	18.115	ug/l	97
39) Methylcyclohexane	9.600	83	50431	17.206	ug/l	96
40) Benzene	8.600	78	180463	19.459	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086106.D
Acq On : 25 Mar 2025 17:28
Operator : JC\MD
Sample : VN0325WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 03:22:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	22786	19.147	ug/l		97
42) 1,2-Dichloroethane	8.665	62	59622	18.451	ug/l		100
43) Isopropyl Acetate	8.683	43	108436	20.079	ug/l	#	85
44) Trichloroethene	9.353	130	42112	17.521	ug/l		97
45) 1,2-Dichloropropane	9.618	63	42003	19.913	ug/l		96
46) Dibromomethane	9.700	93	31421	18.942	ug/l		99
47) Bromodichloromethane	9.883	83	65943	19.021	ug/l		96
48) Methyl methacrylate	9.677	41	31840	17.866	ug/l		99
49) 1,4-Dioxane	9.688	88	14495	344.062	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.441	43	228174	95.800	ug/l		96
52) Toluene	10.624	92	111651	19.616	ug/l		96
53) t-1,3-Dichloropropene	10.835	75	59568	17.692	ug/l		96
54) cis-1,3-Dichloropropene	10.306	75	67138	18.900	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	42971	19.780	ug/l		97
56) Ethyl methacrylate	10.871	69	55521	18.810	ug/l		95
57) 1,3-Dichloropropane	11.159	76	70459	19.095	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	117009	103.990	ug/l		97
59) 2-Hexanone	11.194	43	161319	92.973	ug/l		94
60) Dibromochloromethane	11.353	129	52431	18.703	ug/l		97
61) 1,2-Dibromoethane	11.465	107	41593	18.649	ug/l		96
64) Tetrachloroethene	11.100	164	37829	16.924	ug/l		96
65) Chlorobenzene	11.888	112	119831	18.689	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	46387	19.462	ug/l		99
67) Ethyl Benzene	11.959	91	191762	18.697	ug/l		99
68) m/p-Xylenes	12.071	106	157672	39.112	ug/l		98
69) o-Xylene	12.394	106	72073	19.479	ug/l		98
70) Styrene	12.406	104	122252	19.345	ug/l		99
71) Bromoform	12.576	173	35256	17.694	ug/l	#	96
73) Isopropylbenzene	12.694	105	173790	18.050	ug/l		98
74) N-amyl acetate	12.494	43	61080	18.961	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	62398	19.156	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	61314m	19.424	ug/l		
77) Bromobenzene	12.976	156	49148	18.307	ug/l		99
78) n-propylbenzene	13.029	91	210798	19.335	ug/l		97
79) 2-Chlorotoluene	13.123	91	138563	19.134	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	157160	19.333	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	22122	18.529	ug/l		90
82) 4-Chlorotoluene	13.218	91	140854	18.914	ug/l		99
83) tert-Butylbenzene	13.435	119	122205	17.577	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	156199	19.051	ug/l		100
85) sec-Butylbenzene	13.612	105	171180	18.874	ug/l		99
86) p-Isopropyltoluene	13.729	119	140160	18.256	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	88113	18.208	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	88942	17.493	ug/l		99
89) n-Butylbenzene	14.053	91	104989	16.793	ug/l		99
90) Hexachloroethane	14.335	117	31043	17.523	ug/l		99
91) 1,2-Dichlorobenzene	14.100	146	85902	17.857	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11135	17.125	ug/l		88
93) 1,2,4-Trichlorobenzene	15.388	180	36358	15.031	ug/l		99
94) Hexachlorobutadiene	15.494	225	19709	14.044	ug/l		96
95) Naphthalene	15.641	128	92262	13.172	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	35554	15.490	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086106.D
Acq On : 25 Mar 2025 17:28
Operator : JC\MD
Sample : VN0325WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:22:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

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

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

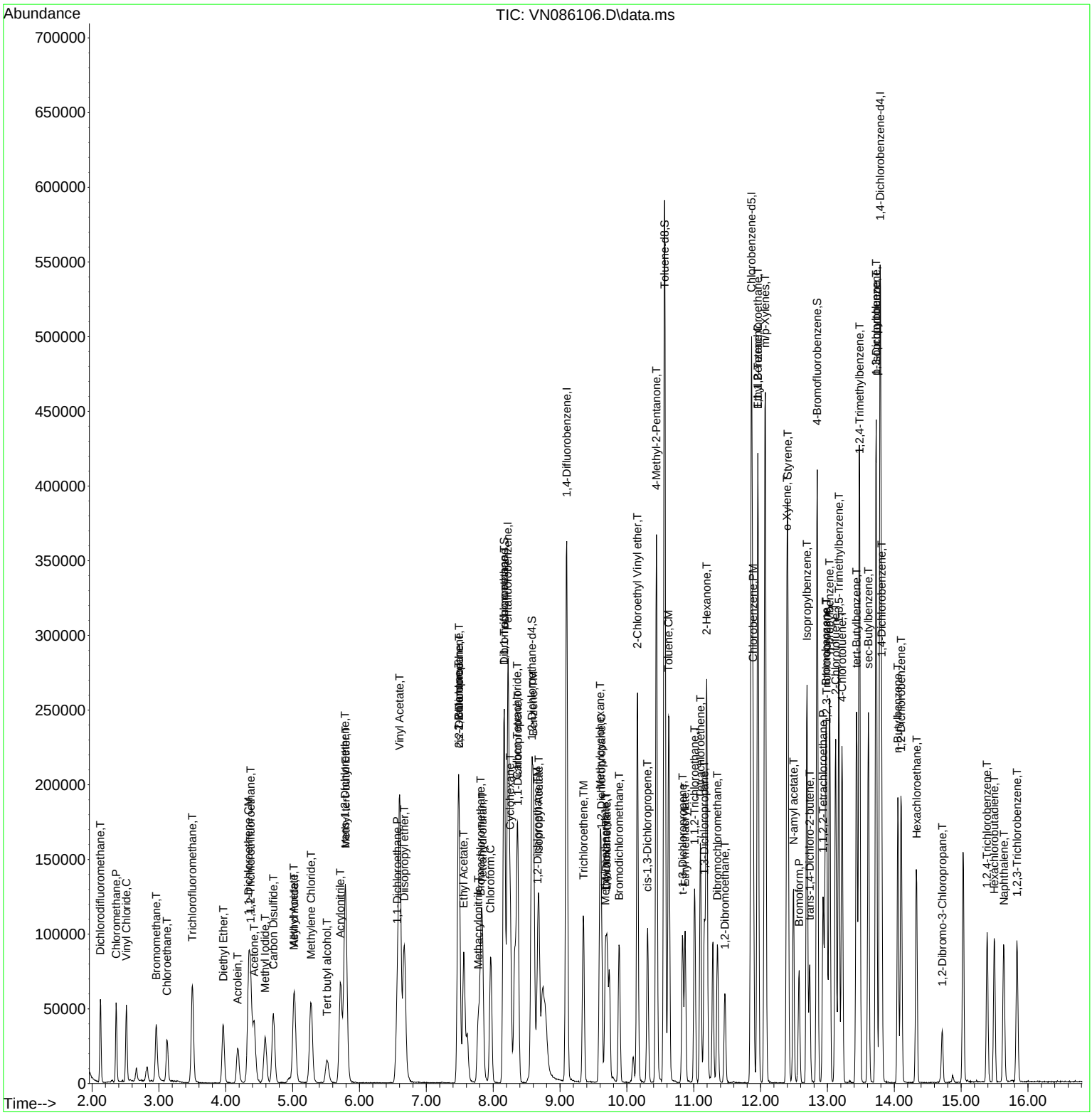
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086106.D
Acq On : 25 Mar 2025 17:28
Operator : JC\MD
Sample : VN0325WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 03:22:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



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

Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085996.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:30 AM	MMDadoda	3/19/2025 2:21:56 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Vinyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC005	VN086000.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:51 AM	MMDadoda	3/19/2025 2:22:03 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1,2-Trichlorotrifluoroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1-Dichloroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,4-Dichlorobenzene	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086001.D	Diisopropyl ether	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	Ethyl Acetate	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICV050	VN086003.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:43:04 AM	MMDadoda	3/19/2025 2:22:08 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn032525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086090.D	1,2,3-Trichloropropane	JOHN	3/26/2025 9:53:01 AM	MMDadoda	3/26/2025 10:34:33 AM	Peak Integrated by Software
VN0325WBS01	VN086094.D	1,2,3-Trichloropropane	JOHN	3/26/2025 9:53:06 AM	MMDadoda	3/26/2025 10:34:37 AM	Peak Integrated by Software
VN0325WBSD01	VN086106.D	1,2,3-Trichloropropane	JOHN	3/26/2025 9:53:21 AM	MMDadoda	3/26/2025 10:34:42 AM	Peak Integrated by Software
VSTDCCC050	VN086116.D	1,2,3-Trichloropropane	JOHN	3/26/2025 9:53:25 AM	MMDadoda	3/26/2025 10:34:47 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085994.D	18 Mar 2025 08:52	JC\MD	Ok
2	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	JC\MD	Not Ok
3	VSTDICC100	VN085996.D	18 Mar 2025 11:44	JC\MD	Ok,M
4	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	JC\MD	Ok,M
5	VSTDICC020	VN085998.D	18 Mar 2025 12:32	JC\MD	Ok,M
6	VSTDICC010	VN085999.D	18 Mar 2025 12:57	JC\MD	Ok,M
7	VSTDICC005	VN086000.D	18 Mar 2025 13:21	JC\MD	Ok,M
8	VSTDICC001	VN086001.D	18 Mar 2025 14:09	JC\MD	Ok,M
9	IBLK	VN086002.D	18 Mar 2025 14:34	JC\MD	Ok
10	VSTDICV050	VN086003.D	18 Mar 2025 16:49	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032525

Review By	John Carlone	Review On	3/26/2025 9:58:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/26/2025 10:34:55 AM		
SubDirectory	VN032525	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133487
Initial Calibration Stds	
CCC	VP133488,VP133489
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086089.D	25 Mar 2025 09:39	JC\MD	Ok
2	VSTDCCC050	VN086090.D	25 Mar 2025 10:27	JC\MD	Ok,M
3	VN0325MBL01	VN086091.D	25 Mar 2025 11:02	JC\MD	Ok
4	VN0325WBL01	VN086092.D	25 Mar 2025 11:26	JC\MD	Ok
5	Q1618-02	VN086093.D	25 Mar 2025 12:15	JC\MD	Ok
6	VN0325WBS01	VN086094.D	25 Mar 2025 12:39	JC\MD	Ok,M
7	PB167276TB	VN086095.D	25 Mar 2025 13:03	JC\MD	Ok
8	PB167276ZHE#01	VN086096.D	25 Mar 2025 13:28	JC\MD	Ok
9	PB167276ZHE#02	VN086097.D	25 Mar 2025 13:52	JC\MD	Ok
10	PB167276ZHE#03	VN086098.D	25 Mar 2025 14:16	JC\MD	Ok
11	PB167276ZHE#04	VN086099.D	25 Mar 2025 14:40	JC\MD	Ok
12	PB167276ZHE#05	VN086100.D	25 Mar 2025 15:04	JC\MD	Ok
13	PB167276ZHE#06	VN086101.D	25 Mar 2025 15:28	JC\MD	Ok
14	PB167276ZHE#07	VN086102.D	25 Mar 2025 15:52	JC\MD	Ok
15	PB167276ZHE#08	VN086103.D	25 Mar 2025 16:16	JC\MD	Ok
16	PB167276ZHE#09	VN086104.D	25 Mar 2025 16:40	JC\MD	Ok
17	PB167276ZHE#10	VN086105.D	25 Mar 2025 17:04	JC\MD	Ok
18	VN0325WBSD01	VN086106.D	25 Mar 2025 17:28	JC\MD	Ok,M
19	Q1619-08	VN086107.D	25 Mar 2025 17:52	JC\MD	Ok
20	Q1619-10	VN086108.D	25 Mar 2025 18:16	JC\MD	Ok
21	Q1619-12	VN086109.D	25 Mar 2025 18:40	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032525

Review By	John Carlone	Review On	3/26/2025 9:58:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/26/2025 10:34:55 AM		
SubDirectory	VN032525	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133487
Initial Calibration Stds	
CCC	VP133488,VP133489
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1619-14	VN086110.D	25 Mar 2025 19:04	JC\MD	Ok
23	Q1626-02	VN086111.D	25 Mar 2025 19:28	JC\MD	Ok
24	Q1627-01	VN086112.D	25 Mar 2025 19:52	JC\MD	Ok
25	Q1630-02	VN086113.D	25 Mar 2025 20:16	JC\MD	Ok
26	Q1632-03	VN086114.D	25 Mar 2025 20:40	JC\MD	ReRun
27	Q1636-04	VN086115.D	25 Mar 2025 21:04	JC\MD	Ok
28	VSTDCCC050	VN086116.D	25 Mar 2025 21:28	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085994.D	18 Mar 2025 08:52		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085996.D	18 Mar 2025 11:44		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	Comp.#56 and 58 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085998.D	18 Mar 2025 12:32		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085999.D	18 Mar 2025 12:57	%D failed for Comp. #58 in 01PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN086000.D	18 Mar 2025 13:21		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN086001.D	18 Mar 2025 14:09		JC\MD	Ok,M
9	IBLK	IBLK	VN086002.D	18 Mar 2025 14:34		JC\MD	Ok
10	VSTDICV050	ICVVN031825	VN086003.D	18 Mar 2025 16:49	ICV Failed for comp. #39,52,58,68,69,70,78,80,84,85, 86,89 For DOD	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032525

Review By	John Carlone	Review On	3/26/2025 9:58:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/26/2025 10:34:55 AM		
SubDirectory	VN032525	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133487
Initial Calibration Stds	
CCC	VP133488,VP133489
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	VN086089.D	25 Mar 2025 09:39		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086090.D	25 Mar 2025 10:27	pH#Lot#V12668	JC\MD	Ok,M
3	VN0325MBL01	VN0325MBL01	VN086091.D	25 Mar 2025 11:02		JC\MD	Ok
4	VN0325WBL01	VN0325WBL01	VN086092.D	25 Mar 2025 11:26		JC\MD	Ok
5	Q1618-02	TP20250320-02	VN086093.D	25 Mar 2025 12:15	vial A pH<2	JC\MD	Ok
6	VN0325WBS01	VN0325WBS01	VN086094.D	25 Mar 2025 12:39		JC\MD	Ok,M
7	PB167276TB	PB167276TB	VN086095.D	25 Mar 2025 13:03		JC\MD	Ok
8	PB167276ZHE#01	PB167276ZHE#01	VN086096.D	25 Mar 2025 13:28		JC\MD	Ok
9	PB167276ZHE#02	PB167276ZHE#02	VN086097.D	25 Mar 2025 13:52		JC\MD	Ok
10	PB167276ZHE#03	PB167276ZHE#03	VN086098.D	25 Mar 2025 14:16		JC\MD	Ok
11	PB167276ZHE#04	PB167276ZHE#04	VN086099.D	25 Mar 2025 14:40		JC\MD	Ok
12	PB167276ZHE#05	PB167276ZHE#05	VN086100.D	25 Mar 2025 15:04		JC\MD	Ok
13	PB167276ZHE#06	PB167276ZHE#06	VN086101.D	25 Mar 2025 15:28		JC\MD	Ok
14	PB167276ZHE#07	PB167276ZHE#07	VN086102.D	25 Mar 2025 15:52		JC\MD	Ok
15	PB167276ZHE#08	PB167276ZHE#08	VN086103.D	25 Mar 2025 16:16		JC\MD	Ok
16	PB167276ZHE#09	PB167276ZHE#09	VN086104.D	25 Mar 2025 16:40		JC\MD	Ok
17	PB167276ZHE#10	PB167276ZHE#10	VN086105.D	25 Mar 2025 17:04		JC\MD	Ok
18	VN0325WBSD01	VN0325WBSD01	VN086106.D	25 Mar 2025 17:28		JC\MD	Ok,M

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032525

Review By	John Carlone	Review On	3/26/2025 9:58:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/26/2025 10:34:55 AM		
SubDirectory	VN032525	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133487
Initial Calibration Stds	
CCC	VP133488,VP133489
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1619-08	TP-2	VN086107.D	25 Mar 2025 17:52	vial B pH#5.0	JC\MD	Ok
20	Q1619-10	TP-3	VN086108.D	25 Mar 2025 18:16	vial B pH#5.0	JC\MD	Ok
21	Q1619-12	TP-4	VN086109.D	25 Mar 2025 18:40	vial B pH#5.0	JC\MD	Ok
22	Q1619-14	TP-5	VN086110.D	25 Mar 2025 19:04	vial B pH#5.0	JC\MD	Ok
23	Q1626-02	CO-32-1	VN086111.D	25 Mar 2025 19:28	vial A pH#5.0	JC\MD	Ok
24	Q1627-01	GRID-LINE-1.2-NORTH	VN086112.D	25 Mar 2025 19:52	vial A pH#5.0	JC\MD	Ok
25	Q1630-02	VNJ-206	VN086113.D	25 Mar 2025 20:16	vial A pH#5.0	JC\MD	Ok
26	Q1632-03	PIER-1-2	VN086114.D	25 Mar 2025 20:40	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
27	Q1636-04	WC-1	VN086115.D	25 Mar 2025 21:04	vial A pH#5.0	JC\MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VN086116.D	25 Mar 2025 21:28		JC\MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167276

SOP ID : M1311-TCLP-15

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 / ZHE-2

TCLP Filter ID : 50223706

Start Prep Date : 03/24/2025 **Time :** 17:00

End Prep Date : 03/25/2025 **Time :** 10:40

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP JN032525.

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IS

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	WP110802
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	23237	N/A

Extraction Conformance/Non-Conformance Comments:

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/25/25 12:00	JP / ZHE Room	P.S / VOC CLAB
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB167276

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167276TB	LEB276	N/A	N/A	N/A	N/A	N/A	N/A
Q1626-02	CO-32-1	N/A	N/A	N/A	N/A	100	N/A
Q1627-01	GRID-LINE-1.2-NORTH	N/A	N/A	N/A	N/A	100	N/A
Q1630-02	VNJ-206	N/A	N/A	N/A	N/A	100	N/A
Q1632-03	PIER-1-2	N/A	N/A	N/A	N/A	100	N/A
Q1635-04	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1636-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
Q1636-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
Q1636-12	WC-3	N/A	N/A	N/A	N/A	100	N/A
Q1636-16	WC-4	N/A	N/A	N/A	N/A	100	N/A
Q1636-20	WC-5	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167276

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
PB167276TB	LEB276	11	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2
Q1626-02	CO-32-1	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1627-01	GRID-LINE-1.2-NORTH	02	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1630-02	VNJ-206	03	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1632-03	PIER-1-2	04	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1635-04	TP-2	05	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1636-04	WC-1	06	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1636-08	WC-2	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1636-12	WC-3	08	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1636-16	WC-4	09	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1636-20	WC-5	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE Q1626 **WorkList ID :** 188484 **Department :** TCLP Extraction **Date :** 03-24-2025 11:01:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1626-02	CO-32-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	F11	03/21/2025	1311 ZHE
Q1627-01	GRID-LINE-1.2-NORTH	Solid	TCLP ZHE Extraction	Cool 4 deg C	TULL02	I41	03/20/2025	1311 ZHE
Q1630-02	VNJ-206	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	H31	03/24/2025	1311 ZHE
Q1632-03	PIER-1-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1635-04	TP-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1636-04	WC-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1636-08	WC-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1636-12	WC-3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1636-16	WC-4	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1636-20	WC-5	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE

Date/Time 03/24/25 16:25

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 03/24/25 19:00

Raw Sample Received by:

Raw Sample Relinquished by:

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: Q1627

COC Number:

CLIENT INFORMATION

COMPANY: Scalamandre Tully JV
ADDRESS: 57 Seaview Blvd
CITY: Pt Washington STATE: NY ZIP: 11050
ATTENTION: Dean Devoe
PHONE: 718 446 7000 FAX:

PROJECT INFORMATION

PROJECT NAME: DOT Harper Street Yard
PROJECT #: 23657 LOCATION:
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX:_____ASAP_____ DAYS*
HARD COPY:_____DAYS*
EDD_____DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

* RESULTS 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

	Full TCLP	RIC	3	4	5	6	7	8	9
	1	2	3	4	5	6	7	8	9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Grid Line 1/2 North	Soil		X	3/20/25	1230		X	X								
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. D Devoe	March 20, 2025	1.
RELINQUISHED BY 2.	DATE/TIME 3-21-25 13:15	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 4.8°C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: yes
Comments:
IR-Gun #1

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