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Cover Page

Order ID : Q2235

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

Client : ENTACT

Lab Sample Number	Client Sample Number
Q2235-01	WC-A2-08-G
Q2235-02	WC-A2-08-C
Q2235-03	WC-A2-08-C
Q2235-04	WC-A2-08-C

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

Signature : _____

Date: 6/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

ENTACT
Project Name: 540 Degraw St, Brooklyn, NY - E9309
Project # N/A
Order ID # Q2235
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 06/04/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLPMetals Group2, TS and TVS. This data package contains results for TCLP VOA.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
As per special requirement for this project form-1 are reported in mg/l.
Samples for MS/MSD for VOC analysis were not provided with this set of samples.
The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2235**

	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: **SOHIL JODHANI** **Date:** **06/13/2025**

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LAB CHRONICLE

OrderID:	Q2235	**OrderDate:**	6/5/2025 10:59:00 AM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Austin Farmerie	**Location:**	N41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2235-01	**WC-A2-08-G**	**TCLP**			**06/04/25**			**06/04/25**
			TCLP VOA	8260D			06/09/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2235

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: Q2235

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2235-01	WC-A2-08-G	1,2-Dichloroethane-d4	50	44.2	88	70 (74)	130 (125)
		Dibromofluoromethane	50	44.9	90	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.0	98	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q2235

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN0609WBL01	VN0609WBL01	1,2-Dichloroethane-d4	50	42.8	86	70 (74)	130 (125)
		Dibromofluoromethane	50	48.1	96	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98	70 (77)	130 (121)
VN0609WBS01	VN0609WBS01	1,2-Dichloroethane-d4	50	56.6	113	70 (74)	130 (125)
		Dibromofluoromethane	50	58.6	117	70 (75)	130 (124)
		Toluene-d8	50	55.2	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.7	111	70 (77)	130 (121)
VN0609WBSD0	VN0609WBSD01	1,2-Dichloroethane-d4	50	44.5	89	70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101	70 (75)	130 (124)
		Toluene-d8	50	48.2	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.7	95	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2235

Client: ENTACT

Analytical Method: SW8260-Low **Datafile :** VN086893.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0609WBS01	Vinyl chloride	20	18.3	ug/L	92			70 (65)	130 (117)	
	1,1-Dichloroethene	20	20.1	ug/L	101			70 (74)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.3	ug/L	97			70 (77)	130 (113)	
	Chloroform	20	20.0	ug/L	100			70 (79)	130 (113)	
	Benzene	20	20.2	ug/L	101			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.4	ug/L	107			70 (80)	130 (115)	
	Trichloroethene	20	20.9	ug/L	104			70 (77)	130 (113)	
	Tetrachloroethene	20	19.5	ug/L	98			70 (67)	130 (123)	
	Chlorobenzene	20	20.9	ug/L	104			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2235

Client: ENTACT

Analytical Method: SW8260-Low **Datafile :** VN086902.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0609WBSD01	Vinyl chloride	20	18.2	ug/L	91	1		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	19.5	ug/L	98	3		70 (74)	130 (110)	20 (20)
	2-Butanone	100	82.3	ug/L	82	20		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.4	ug/L	97	0		70 (77)	130 (113)	20 (20)
	Chloroform	20	18.4	ug/L	92	8		70 (79)	130 (113)	20 (20)
	Benzene	20	19.0	ug/L	95	6		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	18.8	ug/L	94	13		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.4	ug/L	102	2		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	19.2	ug/L	96	2		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	20.3	ug/L	102	2		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0609WBL01

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2235 SAS No.: Q2235 SDG NO.: Q2235

Lab File ID: VN086890.D Lab Sample ID: VN0609WBL01

Date Analyzed: 06/09/2025 Time Analyzed: 09:33

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
VN0609WBS01	VN0609WBS01	VN086893.D	06/09/2025
VN0609WBSD01	VN0609WBSD01	VN086902.D	06/09/2025
WC-A2-08-G	Q2235-01	VN086910.D	06/09/2025

COMMENTS:

Raw Data: **VN086861.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2235 SAS No.: Q2235 SDG NO.: Q2235

Lab File ID: VN086861.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 07:59

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	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 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
VSTDICC001	VSTDICC001	VN086862.D	06/06/2025	12:44
VSTDICC005	VSTDICC005	VN086863.D	06/06/2025	13:17
VSTDICC020	VSTDICC020	VN086864.D	06/06/2025	13:40
VSTDICCC050	VSTDICCC050	VN086865.D	06/06/2025	14:03
VSTDICC100	VSTDICC100	VN086866.D	06/06/2025	14:26
VSTDICC150	VSTDICC150	VN086867.D	06/06/2025	14:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2235 SAS No.: Q2235 SDG NO.: Q2235

Lab File ID: VN086887.D BFB Injection Date: 06/09/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:04

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.3
75	30.0 - 60.0% of mass 95	46.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.8) 1
176	95.0 - 101.0% of mass 174	70.4 (95.8) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 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	VN086888.D	06/09/2025	08:37
VN0609WBL01	VN0609WBL01	VN086890.D	06/09/2025	09:33
VN0609WBS01	VN0609WBS01	VN086893.D	06/09/2025	10:50
VN0609WBSD01	VN0609WBSD01	VN086902.D	06/09/2025	14:04
WC-A2-08-G	Q2235-01	VN086910.D	06/09/2025	16:55

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2235 SAS No.: Q2235 SDG NO.: Q2235

Lab File ID: VN086888.D Date Analyzed: 06/09/2025

Instrument ID: MSVOA_N Time Analyzed: 08:37

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	261450	8.23	451735	9.11	380922	11.87
UPPER LIMIT	522900	8.729	903470	9.606	761844	12.365
LOWER LIMIT	130725	7.729	225868	8.606	190461	11.365
EPA SAMPLE NO.						
WC-A2-08-G	386024	8.24	684260	9.11	589833	11.87
VN0609WBL01	390256	8.23	684606	9.11	591728	11.87
VN0609WBS01	266986	8.23	481053	9.11	422488	11.87
VN0609WBSD01	261604	8.23	462540	9.11	392287	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2235 SAS No.: Q2235 SDG NO.: Q2235

Lab File ID: VN086888.D Date Analyzed: 06/09/2025

Instrument ID: MSVOA_N Time Analyzed: 08:37

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

	IS4 AREA #	RT #				
12 HOUR STD	178512	13.788				
UPPER LIMIT	357024	14.288				
LOWER LIMIT	89256	13.288				
EPA SAMPLE NO.						
WC-A2-08-G	286619	13.79				
VN0609WBL01	288224	13.79				
VN0609WBS01	202169	13.79				
VN0609WBSD01	182953	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

Raw Data: **VN086910.D**

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Report of Analysis

Client:	ENTACT	Date Collected:	06/04/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	06/04/25
Client Sample ID:	WC-A2-08-G	SDG No.:	Q2235
Lab Sample ID:	Q2235-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086910.D	1		06/09/25 16:55	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.2		70 (74) - 130 (125)	88%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	51.2		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	386000	8.236			
540-36-3	1,4-Difluorobenzene	684000	9.106			
3114-55-4	Chlorobenzene-d5	590000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	287000	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\VN060925\
Data File : VN086910.D
Acq On : 09 Jun 2025 16:55
Operator : JC\MD
Sample : Q2235-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Quant Time: Jun 10 03:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

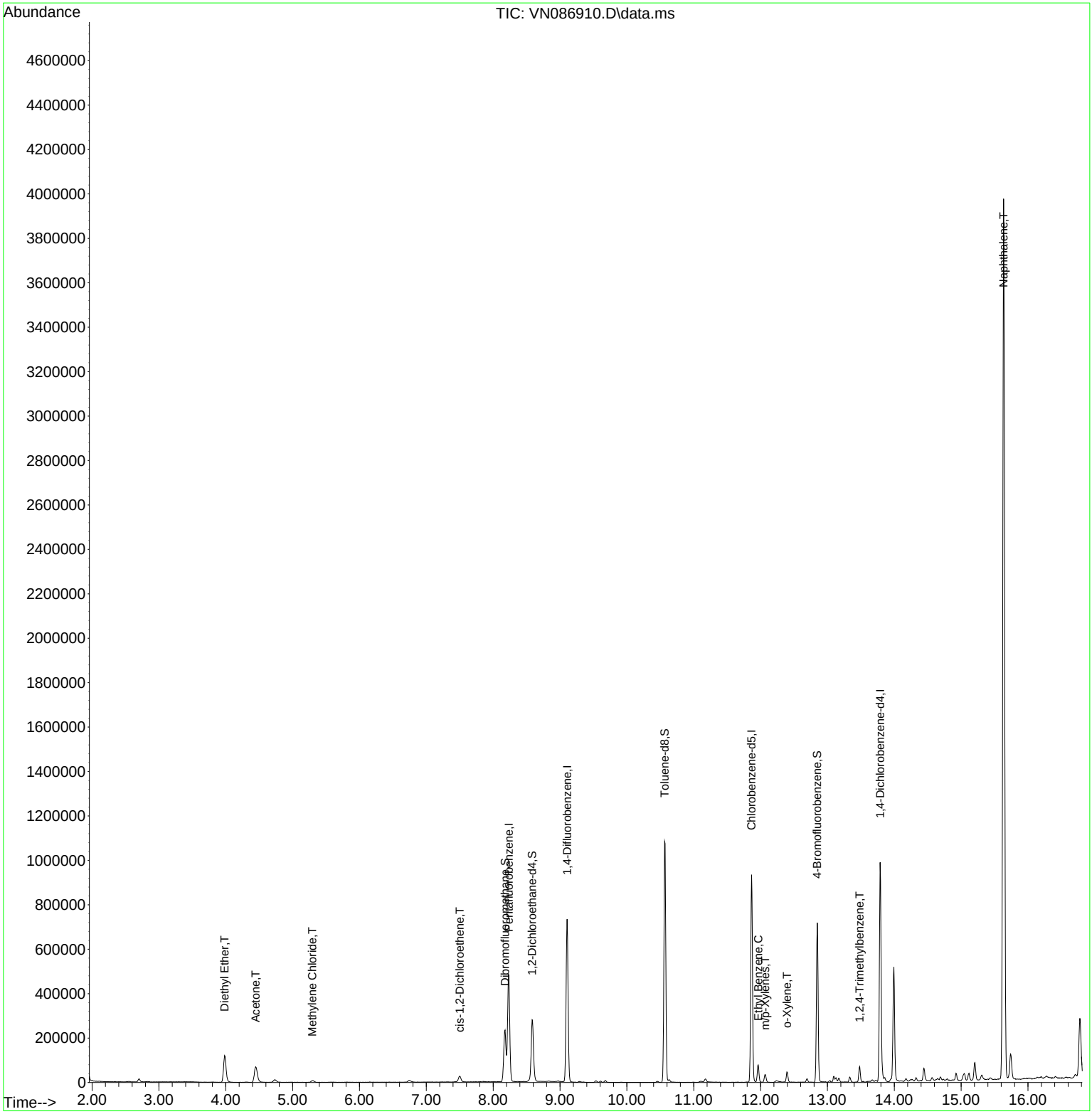
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	386024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	684260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	589833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	286619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	228642	44.238	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.480%			
35) Dibromofluoromethane	8.177	113	181905	44.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.720%			
50) Toluene-d8	10.565	98	821138	51.152	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	12.847	95	292059	48.969	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.940%			
Target Compounds						Qvalue
8) Diethyl Ether	3.983	74	81373	27.881	ug/l	92
16) Acetone	4.448	43	141854	51.755	ug/l	96
20) Methylene Chloride	5.295	84	6948	1.354	ug/l	91
27) cis-1,2-Dichloroethene	7.500	96	10782	1.886	ug/l	83
67) Ethyl Benzene	11.965	91	61886	2.762	ug/l	99
68) m/p-Xylenes	12.071	106	12962	1.511	ug/l	99
69) o-Xylene	12.394	106	14264	1.736	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	41459	2.398	ug/l	99
95) Naphthalene	15.635	128	3912679	181.864	ug/l	100

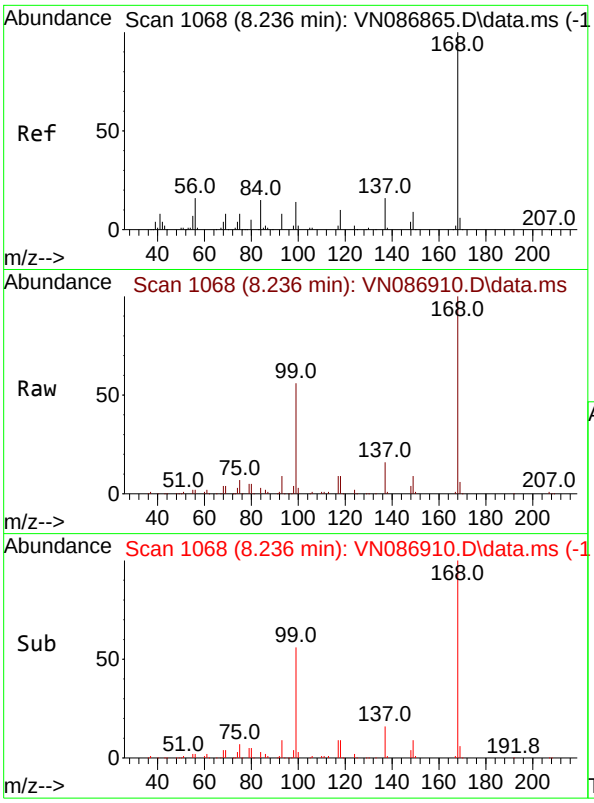
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086910.D
Acq On : 09 Jun 2025 16:55
Operator : JC\MD
Sample : Q2235-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Quant Time: Jun 10 03:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



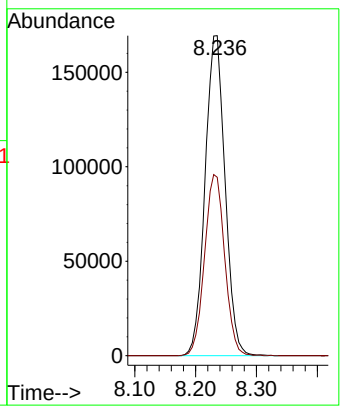


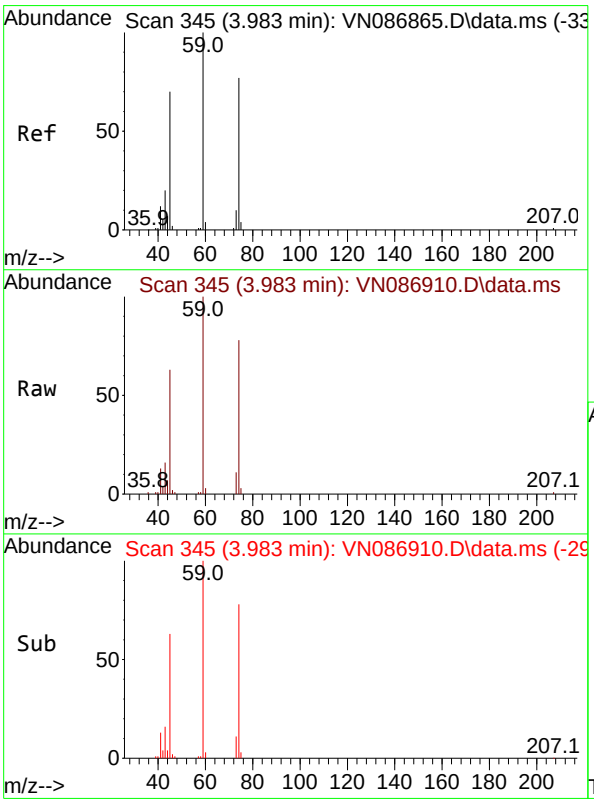
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Tgt Ion:168 Resp: 386024

Ion	Ratio	Lower	Upper
168	100		
99	55.7	49.1	73.7

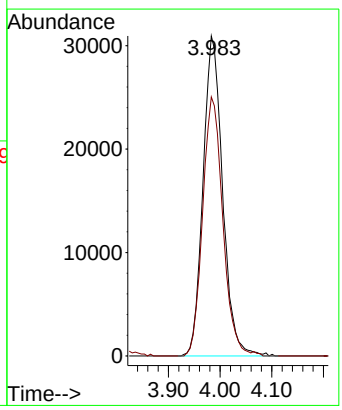


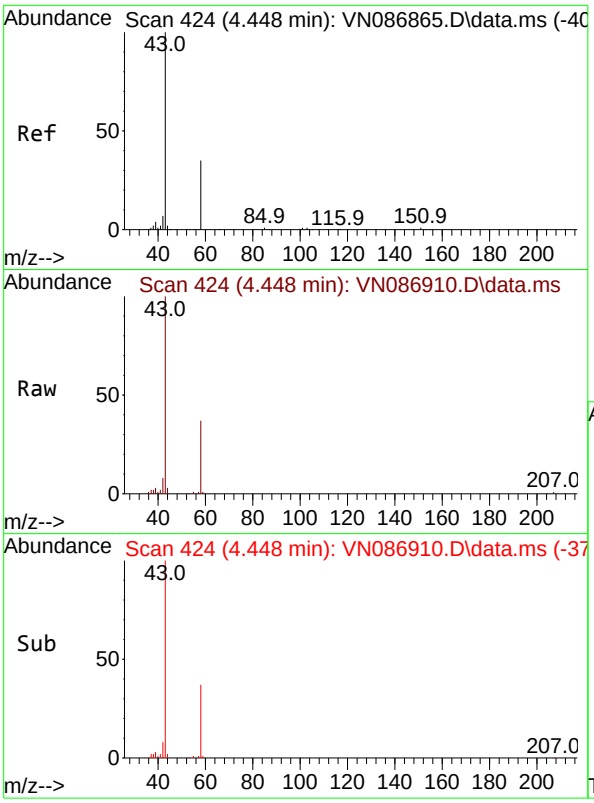


#8
Diethyl Ether
Concen: 27.881 ug/l
RT: 3.983 min Scan# 345
Delta R.T. 0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 74 Resp: 81373

Ion	Ratio	Lower	Upper
74	100		
45	83.5	45.5	136.5



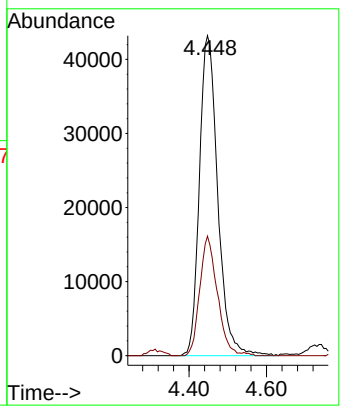


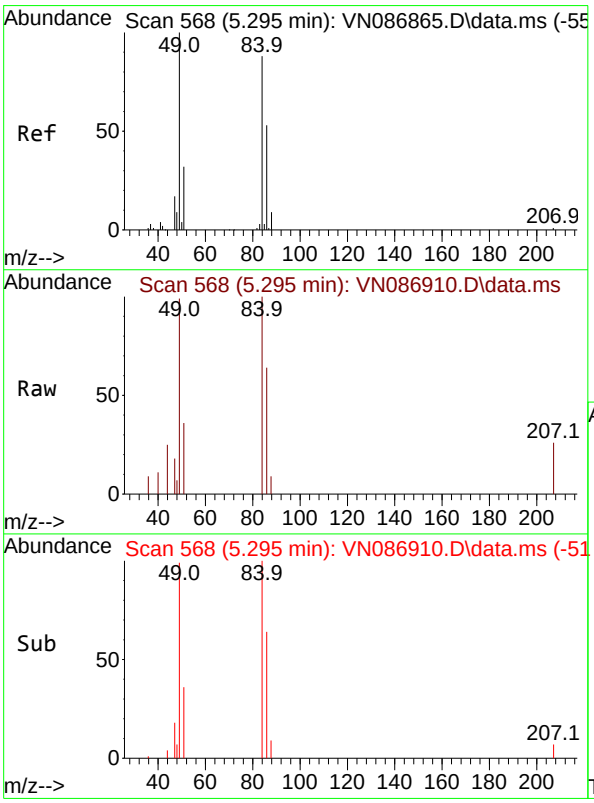
#16
Acetone
Concen: 51.755 ug/l
RT: 4.448 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Tgt Ion: 43 Resp: 141854

Ion	Ratio	Lower	Upper
43	100		
58	37.4	28.0	42.0

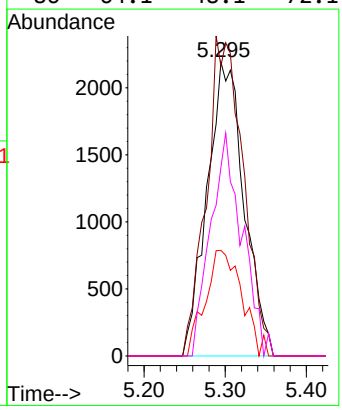


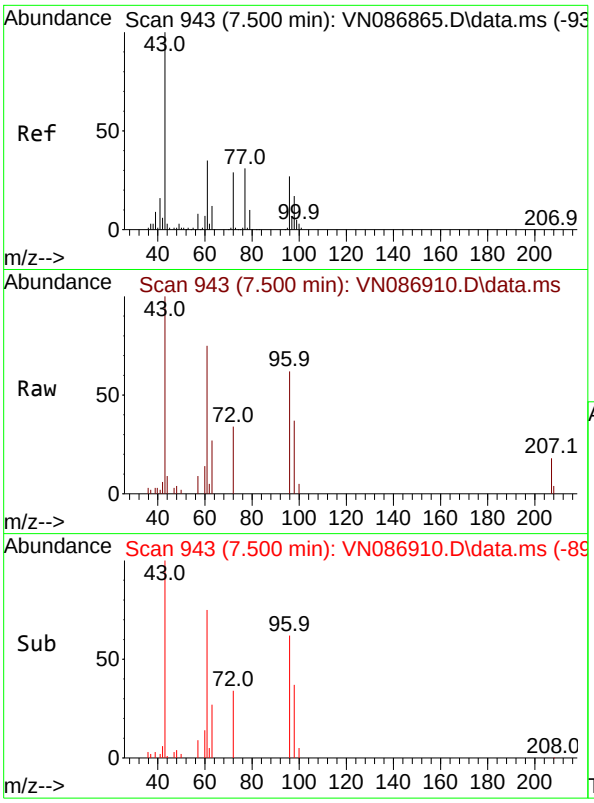


#20
Methylene Chloride
Concen: 1.354 ug/l
RT: 5.295 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 84 Resp: 6948

Ion	Ratio	Lower	Upper
84	100		
49	98.6	90.5	135.7
51	35.9	28.5	42.7
86	64.1	48.1	72.1



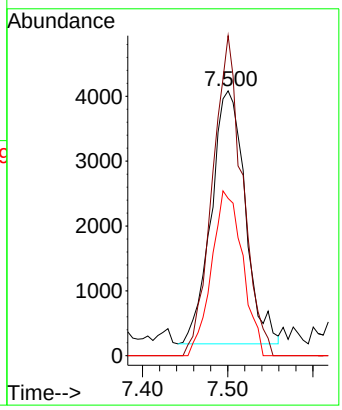


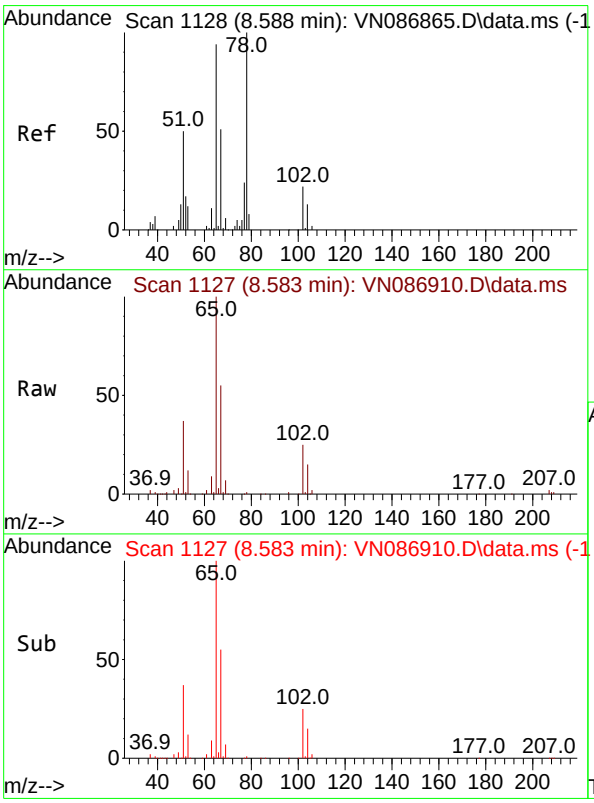
#27
cis-1,2-Dichloroethene
Concen: 1.886 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Tgt Ion: 96 Resp: 10782

Ion	Ratio	Lower	Upper
96	100		
61	112.2	0.0	278.0
98	59.5	0.0	128.2

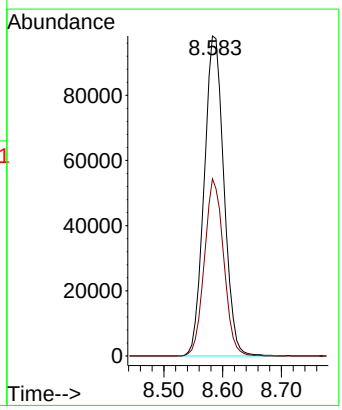


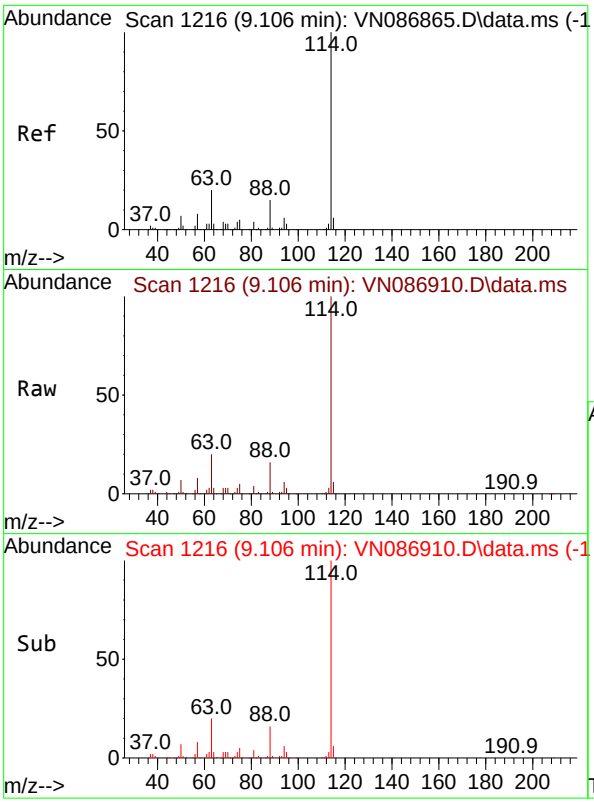


#33
1,2-Dichloroethane-d4
Concen: 44.238 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 65 Resp: 228642

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.6



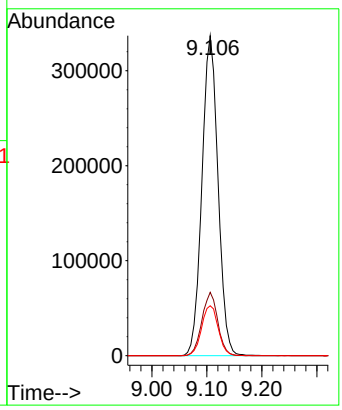


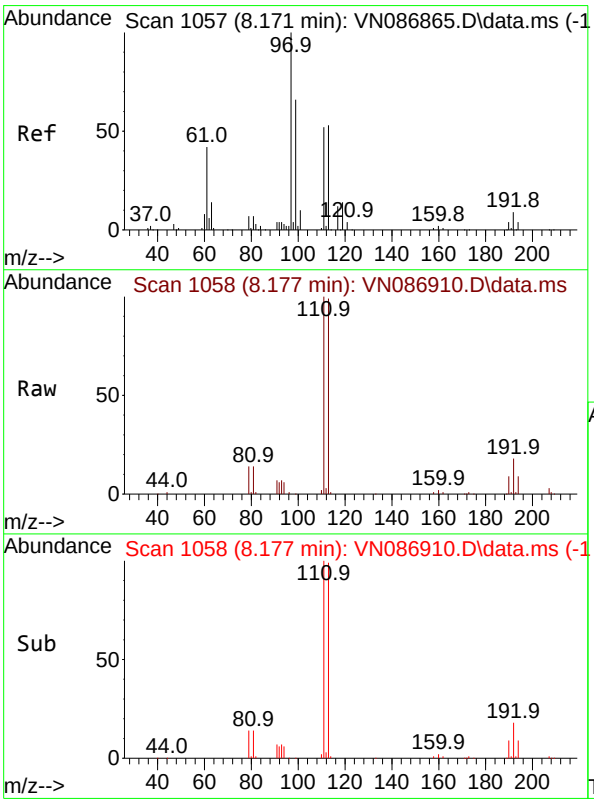
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Tgt Ion:114 Resp: 684260

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.6	0.0	30.2

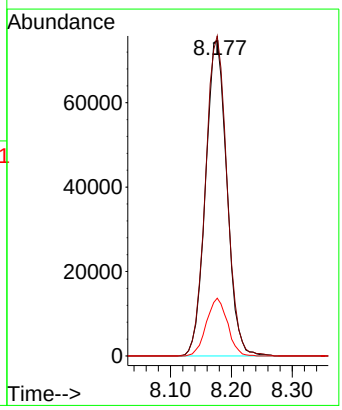


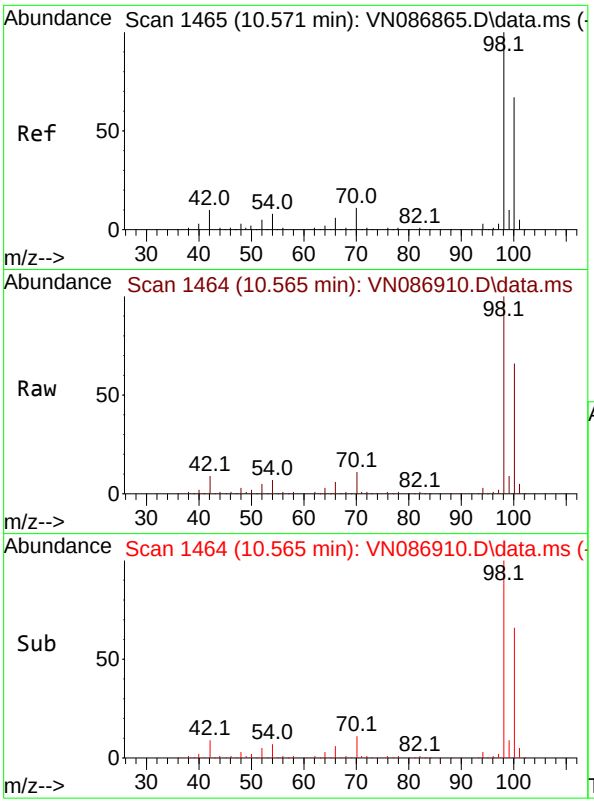


#35
Dibromofluoromethane
Concen: 44.858 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Tgt Ion:113 Resp: 181905

Ion	Ratio	Lower	Upper
113	100		
111	102.2	84.2	126.2
192	18.1	14.2	21.4



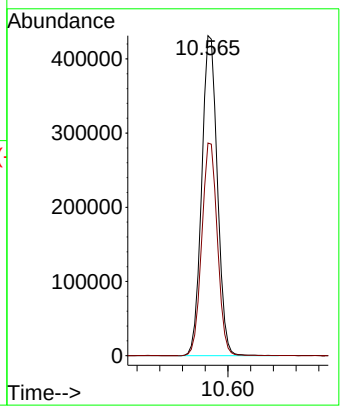


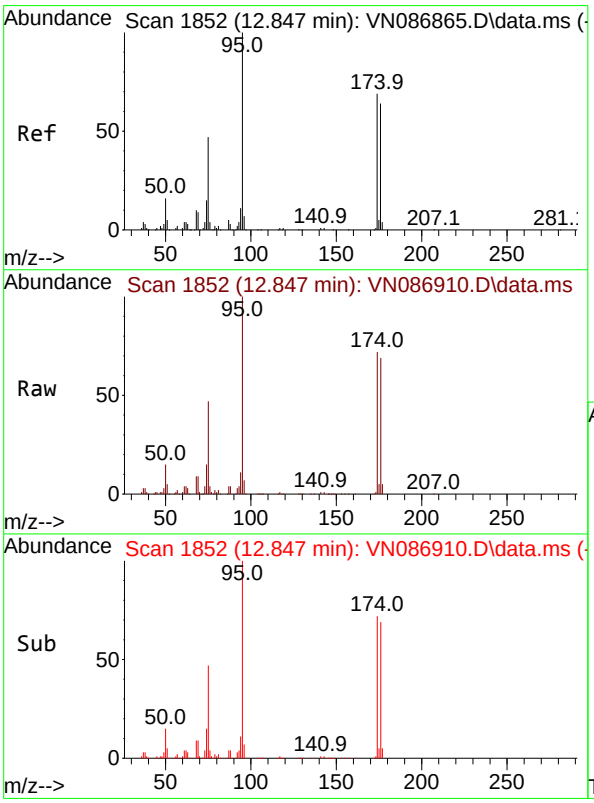
#50
Toluene-d8
Concen: 51.152 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Tgt Ion: 98 Resp: 821138

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.0

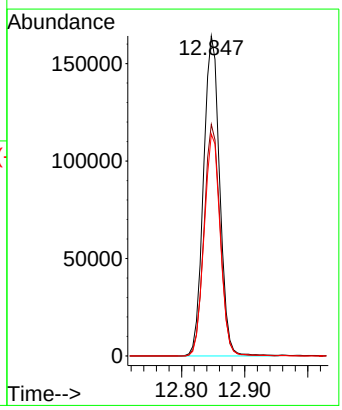


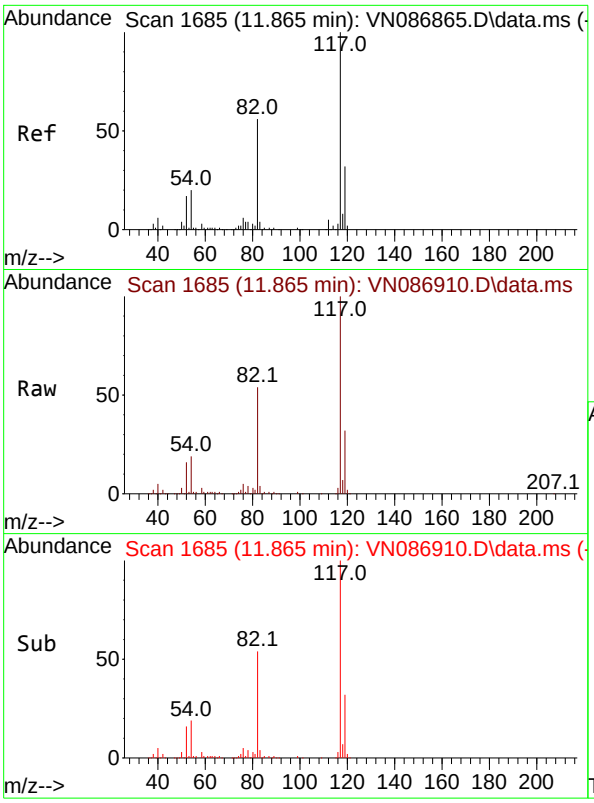


#62
4-Bromofluorobenzene
Concen: 48.969 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 95 Resp: 292059

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.8
176	69.3	0.0	132.6



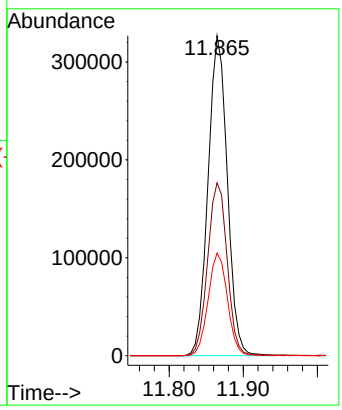


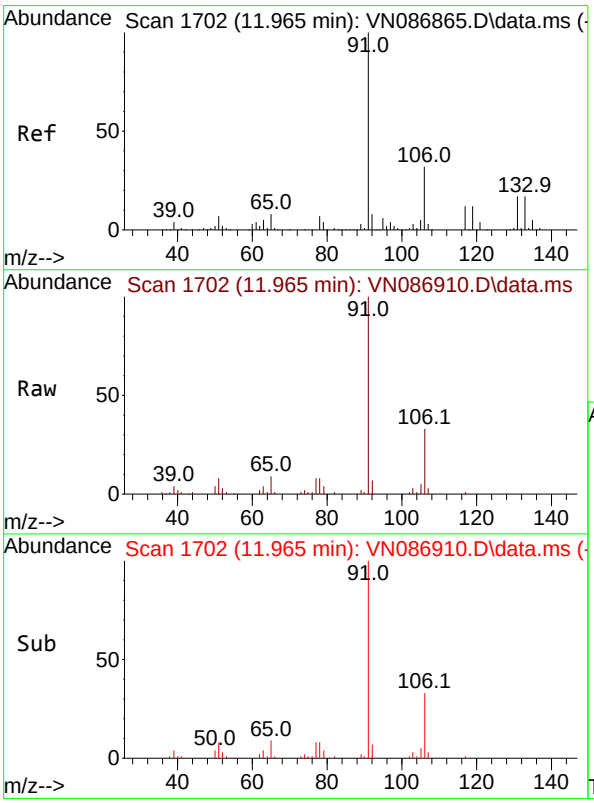
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Tgt Ion:117 Resp: 589833

Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.6	67.0
119	32.1	25.5	38.3

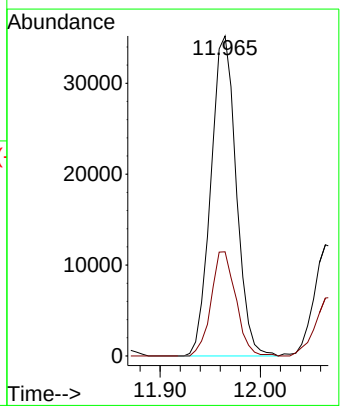


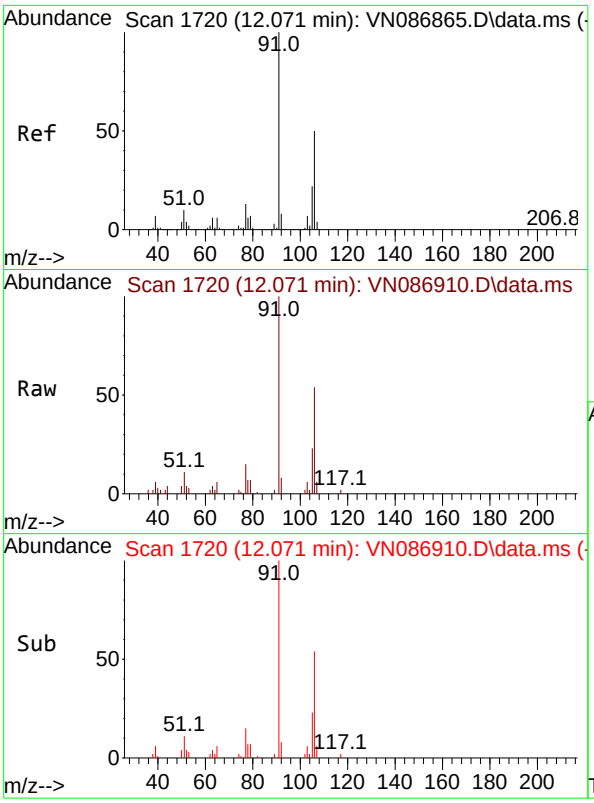


#67
Ethyl Benzene
Concen: 2.762 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 91 Resp: 61886

Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.4	38.2



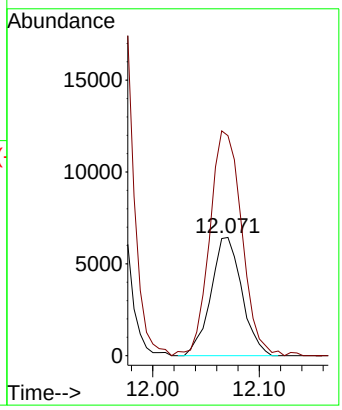


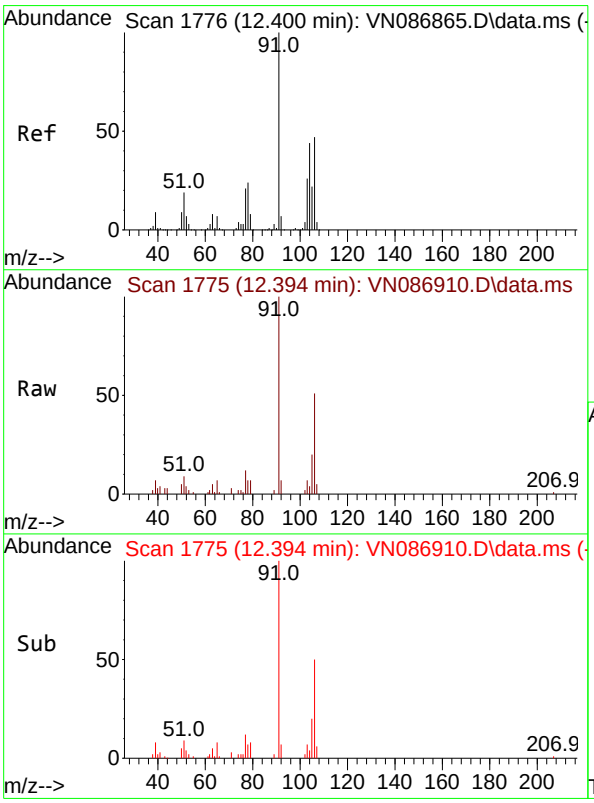
#68
m/p-Xylenes
Concen: 1.511 ug/l
RT: 12.071 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Tgt Ion:106 Resp: 12962

Ion	Ratio	Lower	Upper
106	100		
91	197.6	159.4	239.0

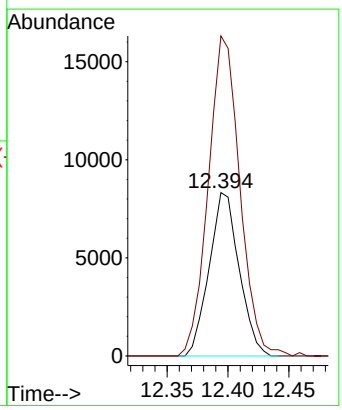


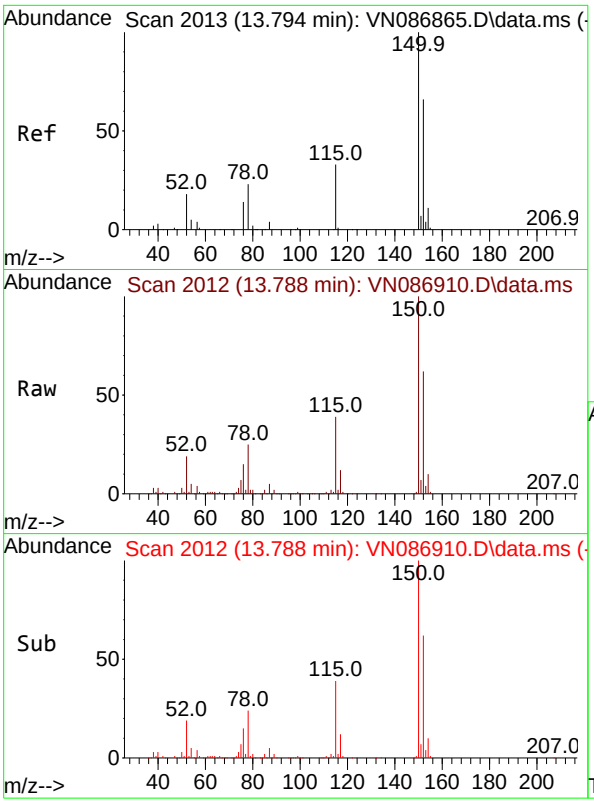


#69
o-Xylene
Concen: 1.736 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Tgt Ion:106 Resp: 14264

Ion	Ratio	Lower	Upper
106	100		
91	206.8	106.1	318.1



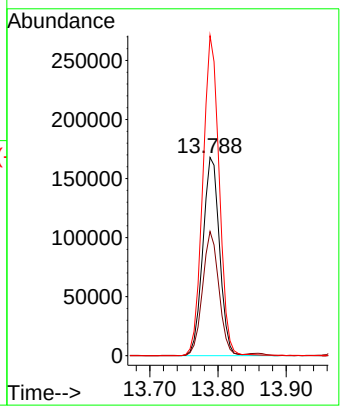


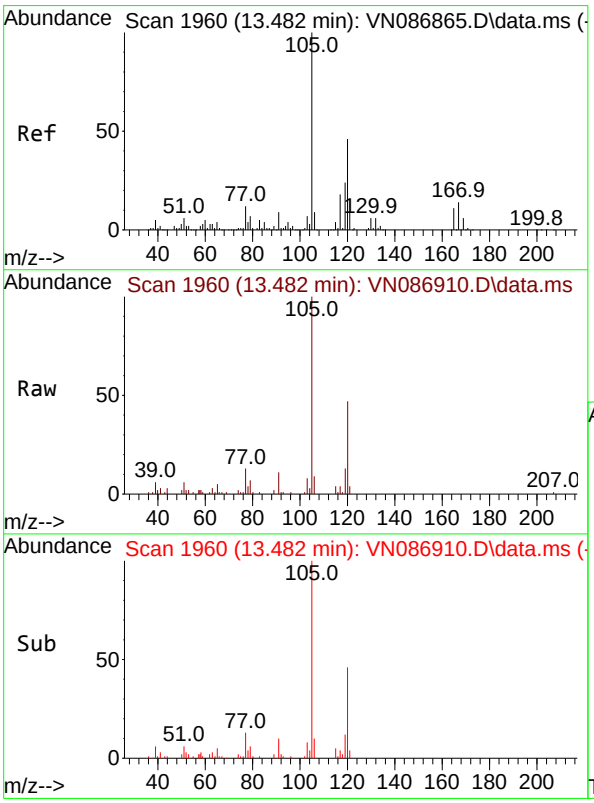
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Tgt Ion:152 Resp: 286619

Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.5
150	158.5	0.0	345.0

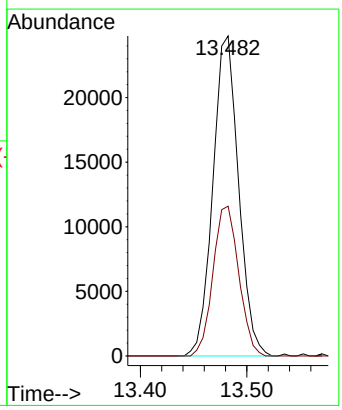


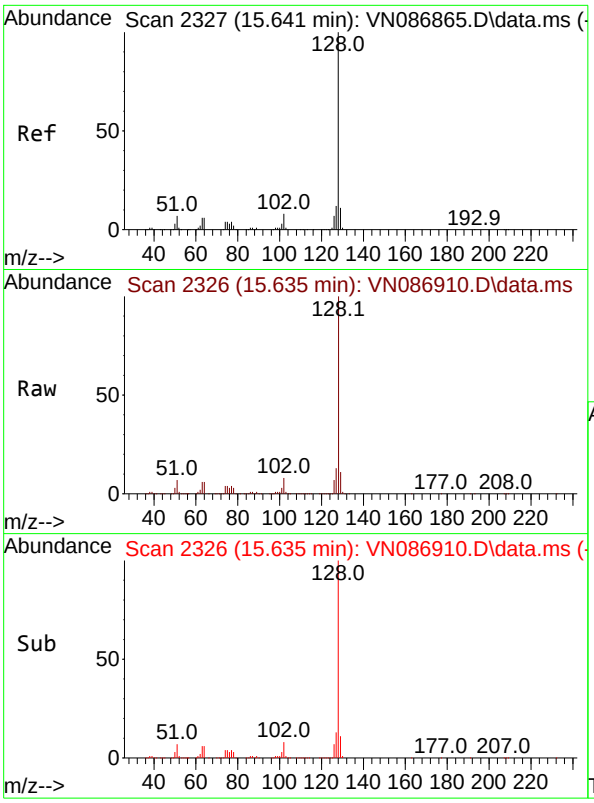


#84
1,2,4-Trimethylbenzene
Concen: 2.398 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Tgt Ion:105 Resp: 41459

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.2	69.6



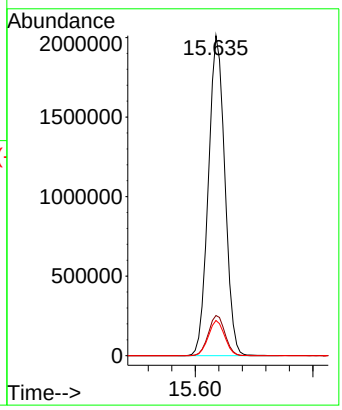


#95
Naphthalene
Concen: 181.864 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086910.D
Acq: 09 Jun 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-08-G

Tgt Ion:128 Resp: 3912679

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2235 SAS No.: Q2235 SDG No.: Q2235

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

* 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 : 82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025
Response Via : Initial Calibration

Calibration Files
1 =VN086862.D 5 =VN086863.D 20 =VN086864.D 50 =VN086865.D 100 =VN086866.D 150 =VN086867.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.51
3)	P	Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.85
4)	C	Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.49#
5)	T	Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.57
6)	T	Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.37
7)	T	Trichlorofluor...	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.93
8)	T	Diethyl Ether	0.372	0.397	0.383	0.363	0.384	0.369	0.378	3.28
9)	T	1,1,2-Trichlor...	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.83
10)	T	Methyl Iodide		0.720	0.729	0.683	0.722	0.679	0.707	3.35
11)	T	Tert butyl alc...		0.192	0.194	0.176	0.180	0.166	0.182	6.37
12)	CM	1,1-Dichloroet...	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.44#
13)	T	Acrolein		0.073	0.051	0.045	0.052	0.066	0.057	20.26
14)	T	Allyl chloride	0.985	0.911	0.925	0.865	0.905	0.947	0.923	4.40
15)	T	Acrylonitrile	0.434	0.434	0.445	0.407	0.423	0.404	0.425	3.82
16)	T	Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.53
17)	T	Carbon Disulfide	1.718	1.621	1.542	1.426	1.496	1.433	1.539	7.38
18)	T	Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.10
19)	T	Methyl tert-bu...	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.69
20)	T	Methylene Chlo...	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.52
21)	T	trans-1,2-Dich...	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.25
22)	T	Diisopropyl ether	2.018	2.020	2.036	1.856	1.915	1.828	1.945	4.70
23)	T	Vinyl Acetate	1.743	1.692	1.715	1.591	1.604	1.517	1.644	5.29
24)	P	1,1-Dichloroet...	1.192	1.152	1.156	1.063	1.110	1.043	1.120	5.17
25)	T	2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.18
26)	T	2,2-Dichloropr...	0.967	0.796	0.778	0.905	0.912	0.868	0.871	8.32
27)	T	cis-1,2-Dichlo...	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.93
28)	T	Bromochloromet...	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.48
29)	T	Tetrahydrofuran	0.390	0.390	0.399	0.358	0.372	0.346	0.376	5.46
30)	C	Chloroform	1.235	1.151	1.145	1.061	1.085	1.030	1.118	6.66#
31)	T	Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.21
32)	T	1,1,1-Trichlor...	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.88
33)	S	1,2-Dichloroet...		0.732	0.707	0.500	0.656	0.751	0.669	15.08
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.303	0.310	0.219	0.298	0.351	0.296	16.15
36)	T	1,1-Dichloropr...	0.467	0.458	0.438	0.418	0.442	0.426	0.442	4.23
37)	T	Ethyl Acetate	0.544	0.615	0.577	0.536	0.565	0.535	0.562	5.48
38)	T	Carbon Tetrach...	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.88
39)	T	Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.75
40)	TM	Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.20
41)	T	Methacrylonitrile	0.356	0.319	0.318	0.303	0.299	0.299	0.316	6.84
42)	TM	1,2-Dichloroet...	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.60
43)	T	Isopropyl Acetate	0.975	0.950	0.906	0.852	0.884	0.845	0.902	5.79
44)	TM	Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.327	0.342	4.17
45)	C	1,2-Dichloropr...	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.40#
46)	T	Dibromomethane	0.233	0.242	0.241	0.221	0.237	0.226	0.233	3.54
47)	T	Bromodichlorom...	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.80
48)	T	Methyl methacr...	0.444	0.415	0.421	0.394	0.421	0.397	0.415	4.40
49)	T	1,4-Dioxane	0.006	0.007	0.008	0.008	0.008	0.007	0.008	9.40
50)	S	Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.23
51)	T	4-Methyl-2-Pen...	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.64
52)	CM	Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.61#
53)	T	t-1,3-Dichloro...	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.59
54)	T	cis-1,3-Dichlo...	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.61
55)	T	1,1,2-Trichlor...	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.66
56)	T	Ethyl methacry...	0.433	0.516	0.567	0.556	0.595	0.578	0.541	10.92

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N060625W.M

57)	T	1,3-Dichloropr...	0.643	0.600	0.587	0.561	0.583	0.559	0.589	5.27
58)	T	2-Chloroethyl ...	0.278	0.305	0.334	0.274	0.340	0.405	0.323	15.07
59)	T	2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.36
60)	T	Dibromochlorom...	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.49
61)	T	1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.18
62)	S	4-Bromofluorob...		0.441	0.446	0.325	0.446	0.521	0.436	16.16
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.51
65)	PM	Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7.01
66)	T	1,1,1,2-Tetrac...	0.362	0.374	0.358	0.338	0.356	0.338	0.354	3.99
67)	C	Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.899	4.19#
68)	T	m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.82
69)	T	o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.42
70)	T	Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.51
71)	P	Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.09
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.21
74)	T	N-amyl acetate	1.376	1.110	1.187	1.266	1.372	1.327	1.273	8.42
75)	P	1,1,2,2-Tetrac...	1.292	1.299	1.273	1.178	1.205	1.157	1.234	4.99
76)	T	1,2,3-Trichlor...	1.297	1.189	1.129	1.173	1.201	1.142	1.189	5.03
77)	T	Bromobenzene	0.870	0.855	0.840	0.790	0.838	0.819	0.835	3.36
78)	T	n-propylbenzene	4.530	4.627	4.449	4.211	4.424	4.317	4.427	3.35
79)	T	2-Chlorotoluene	2.852	2.723	2.674	2.507	2.618	2.554	2.655	4.69
80)	T	1,3,5-Trimethy...	3.004	3.091	3.035	2.898	3.064	2.953	3.007	2.39
81)	T	trans-1,4-Dich...		0.510	0.522	0.476	0.546	0.528	0.516	5.06
82)	T	4-Chlorotoluene	2.899	2.757	2.671	2.531	2.664	2.595	2.686	4.81
83)	T	tert-Butylbenzene	2.942	2.810	2.736	2.617	2.745	2.668	2.753	4.14
84)	T	1,2,4-Trimethy...	2.952	3.122	3.063	2.914	3.075	2.968	3.016	2.73
85)	T	sec-Butylbenzene	4.114	4.126	4.037	3.829	4.018	3.861	3.998	3.15
86)	T	p-Isopropyltol...	3.305	3.425	3.321	3.184	3.366	3.227	3.305	2.68
87)	T	1,3-Dichlorobe...	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5.01
88)	T	1,4-Dichlorobe...	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.27
89)	T	n-Butylbenzene	3.473	3.292	3.140	3.059	3.188	3.054	3.201	4.99
90)	T	Hexachloroethane	0.580	0.537	0.569	0.537	0.577	0.562	0.560	3.43
91)	T	1,2-Dichlorobe...	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.77
92)	T	1,2-Dibromo-3-...	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.29
93)	T	1,2,4-Trichlor...	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.82
94)	T	Hexachlorobuta...	0.364	0.391	0.385	0.363	0.382	0.369	0.376	3.11
95)	T	Naphthalene	3.820	3.727	3.761	3.600	3.839	3.772	3.753	2.27
96)	T	1,2,3-Trichlor...	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4.05

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.235	168	212682	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	393457	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	348010	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167399	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	2.153	85	1985	0.936	ug/l		72
3) Chloromethane	2.400	50	3241	1.184	ug/l		98
4) Vinyl Chloride	2.559	62	2848	1.008	ug/l	#	88
6) Chloroethane	3.159	64	1957	1.073	ug/l	#	79
7) Trichlorofluoromethane	3.530	101	3752	1.017	ug/l		97
8) Diethyl Ether	3.994	74	1583	0.984	ug/l		76
9) 1,1,2-Trichlorotrifluo...	4.377	101	2358m	1.017	ug/l		
12) 1,1-Dichloroethene	4.365	96	2436	1.029	ug/l		85
14) Allyl chloride	5.041	41	4189	1.067	ug/l	#	75
15) Acrylonitrile	5.735	53	9222	5.106	ug/l		96
16) Acetone	4.459	43	9069	6.006	ug/l		95
17) Carbon Disulfide	4.730	76	7306	1.116	ug/l		97
18) Methyl Acetate	5.053	43	4402	1.000	ug/l	#	66
19) Methyl tert-butyl Ether	5.824	73	9019	1.052	ug/l		92
20) Methylene Chloride	5.294	84	3496	1.237	ug/l		93
21) trans-1,2-Dichloroethene	5.800	96	2979	1.131	ug/l		87
22) Diisopropyl ether	6.682	45	8584	1.037	ug/l	#	96
23) Vinyl Acetate	6.618	43	37075	5.303	ug/l		95
24) 1,1-Dichloroethane	6.588	63	5071	1.065	ug/l	#	81
25) 2-Butanone	7.500	43	12841	5.231	ug/l		93
26) 2,2-Dichloropropane	7.500	77	4112	1.110	ug/l		94
27) cis-1,2-Dichloroethene	7.494	96	3345	1.062	ug/l		95
28) Bromochloromethane	7.824	49	2464	1.052	ug/l	#	88
29) Tetrahydrofuran	7.853	42	8301	5.191	ug/l		100
30) Chloroform	7.971	83	5255	1.105	ug/l		97
32) 1,1,1-Trichloroethane	8.171	97	4378	1.082	ug/l	#	50
36) 1,1-Dichloropropene	8.376	75	3678	1.059	ug/l		96
37) Ethyl Acetate	7.577	43	4282	0.968	ug/l	#	78
38) Carbon Tetrachloride	8.376	117	3563	1.045	ug/l	#	93
39) Methylcyclohexane	9.606	83	4981	1.046	ug/l	#	90
40) Benzene	8.612	78	12498	1.100	ug/l		100
41) Methacrylonitrile	7.782	41	2799	1.127	ug/l		89
42) 1,2-Dichloroethane	8.682	62	3725	1.081	ug/l		82
43) Isopropyl Acetate	8.694	43	7673	1.081	ug/l	#	96
44) Trichloroethene	9.365	130	2822	1.047	ug/l		71
45) 1,2-Dichloropropane	9.629	63	2883	1.043	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	Dibromomethane	9.712	93	1835	0.999	ug/l		94
47)	Bromodichloromethane	9.888	83	4017	1.063	ug/l	#	96
48)	Methyl methacrylate	9.688	41	3492	1.069	ug/l		88
49)	1,4-Dioxane	9.706	88	1004	16.891	ug/l	#	74
51)	4-Methyl-2-Pentanone	10.453	43	19886	4.653	ug/l		99
52)	Toluene	10.635	92	7227	1.041	ug/l		95
53)	t-1,3-Dichloropropene	10.841	75	4494	1.064	ug/l		97
54)	cis-1,3-Dichloropropene	10.312	75	4792	1.060	ug/l		97
55)	1,1,2-Trichloroethane	11.023	97	2828	1.058	ug/l		89
56)	Ethyl methacrylate	10.882	69	3406	0.800	ug/l	#	85
57)	1,3-Dichloropropane	11.170	76	5062	1.092	ug/l		98
58)	2-Chloroethyl Vinyl ether	10.165	63	10924	4.304	ug/l		97
59)	2-Hexanone	11.235	43	12295m	4.466	ug/l		
60)	Dibromochloromethane	11.359	129	2843	1.021	ug/l		96
61)	1,2-Dibromoethane	11.470	107	2777	1.014	ug/l		96
64)	Tetrachloroethene	11.106	164	2473	1.123	ug/l		94
65)	Chlorobenzene	11.894	112	8581	1.118	ug/l	#	87
66)	1,1,1,2-Tetrachloroethane	11.959	131	2523	1.023	ug/l	#	63
67)	Ethyl Benzene	11.970	91	13845	1.047	ug/l		94
68)	m/p-Xylenes	12.070	106	10163	2.008	ug/l		95
69)	o-Xylene	12.400	106	4970	1.025	ug/l		93
70)	Styrene	12.417	104	8189	0.987	ug/l		98
71)	Bromoform	12.582	173	1508	0.825	ug/l	#	78
73)	Isopropylbenzene	12.694	105	12938	1.061	ug/l		98
74)	N-amyl acetate	12.647	43	4608m	1.138	ug/l		
75)	1,1,2,2-Tetrachloroethane	12.935	83	4326	1.047	ug/l	#	93
76)	1,2,3-Trichloropropane	13.000	75	4343m	1.088	ug/l		
77)	Bromobenzene	12.982	156	2913	1.042	ug/l		96
78)	n-propylbenzene	13.035	91	15168	1.023	ug/l		98
79)	2-Chlorotoluene	13.123	91	9550	1.074	ug/l		97
80)	1,3,5-Trimethylbenzene	13.170	105	10058	0.999	ug/l		96
82)	4-Chlorotoluene	13.223	91	9706	1.079	ug/l		96
83)	tert-Butylbenzene	13.435	119	9849	1.069	ug/l		98
84)	1,2,4-Trimethylbenzene	13.482	105	9882	0.979	ug/l		99
85)	sec-Butylbenzene	13.617	105	13775	1.029	ug/l		100
86)	p-Isopropyltoluene	13.729	119	11065	1.000	ug/l		97
87)	1,3-Dichlorobenzene	13.735	146	5903	1.073	ug/l		94
88)	1,4-Dichlorobenzene	13.811	146	6094m	1.086	ug/l		
89)	n-Butylbenzene	14.058	91	11627	1.085	ug/l		94
90)	Hexachloroethane	14.329	117	1942	1.036	ug/l		93
91)	1,2-Dichlorobenzene	14.106	146	5607	1.061	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.717	75	1136	1.150	ug/l		78
93)	1,2,4-Trichlorobenzene	15.388	180	3489	1.034	ug/l		98
94)	Hexachlorobutadiene	15.500	225	1219	0.969	ug/l		88
95)	Naphthalene	15.635	128	12789	1.018	ug/l		98
96)	1,2,3-Trichlorobenzene	15.835	180	3594	1.072	ug/l		96

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

ICAL Form

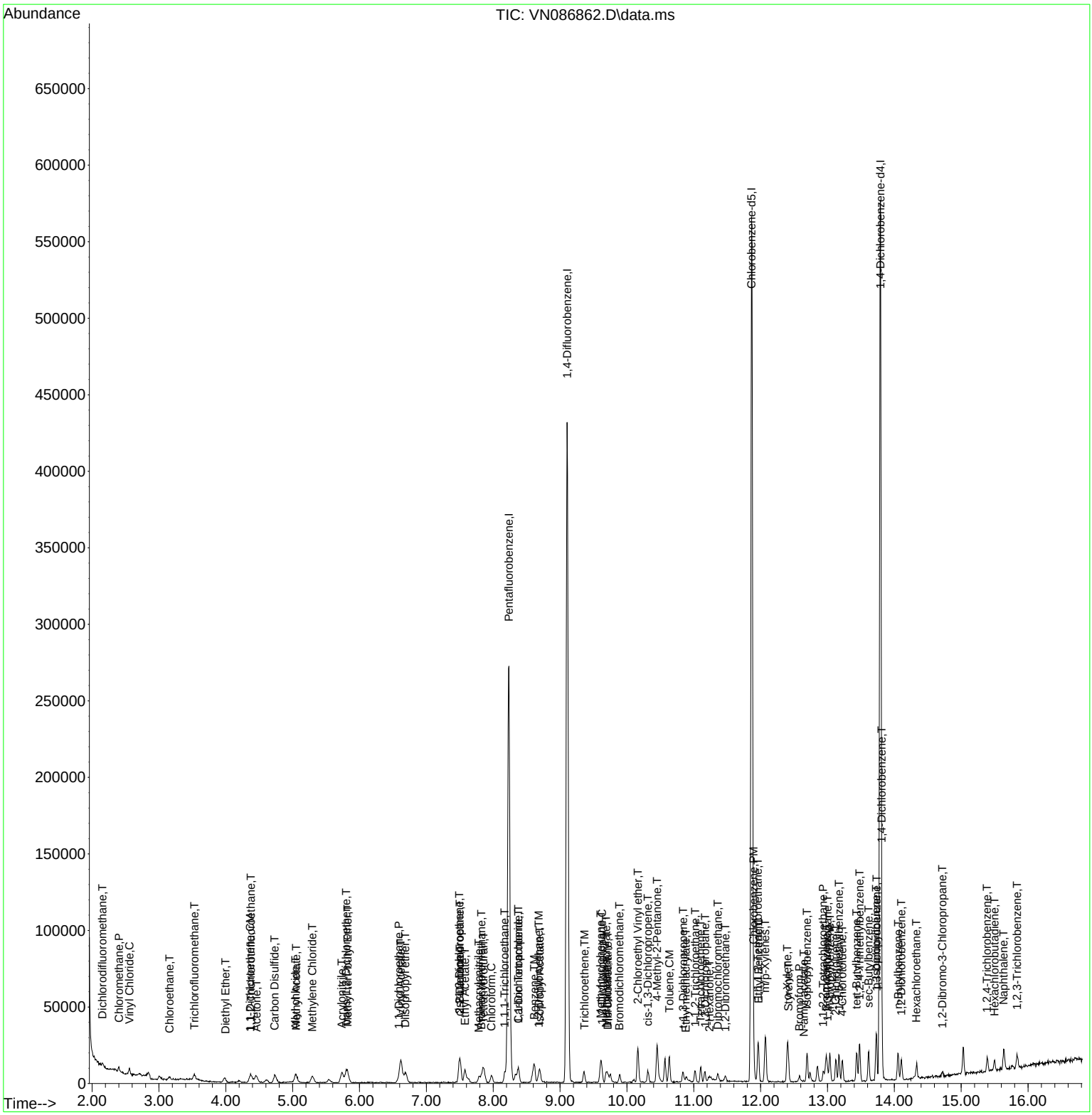
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	229701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	423980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	16818	5.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.940%#		
35) Dibromofluoromethane	8.177	113	12867	5.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.240%#		
50) Toluene-d8	10.571	98	52794	5.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.620%#		
62) 4-Bromofluorobenzene	12.847	95	18697	5.059	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.120%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	10196	4.452	ug/l	93
3) Chloromethane	2.395	50	15025	5.080	ug/l	98
4) Vinyl Chloride	2.554	62	15384	5.043	ug/l	97
5) Bromomethane	2.989	94	8606	5.041	ug/l	97
6) Chloroethane	3.154	64	10190	5.171	ug/l	96
7) Trichlorofluoromethane	3.518	101	20740	5.203	ug/l	99
8) Diethyl Ether	3.971	74	9121	5.252	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	13034	5.205	ug/l	97
10) Methyl Iodide	4.606	142	16530	5.092	ug/l	98
11) Tert butyl alcohol	5.542	59	22000	26.363	ug/l	99
12) 1,1-Dichloroethene	4.359	96	13610	5.323	ug/l	94
13) Acrolein	4.195	56	8401	31.804	ug/l	99
14) Allyl chloride	5.042	41	20925	4.935	ug/l	99
15) Acrylonitrile	5.736	53	49826	25.545	ug/l	99
16) Acetone	4.448	43	41981	25.741	ug/l	99
17) Carbon Disulfide	4.736	76	37246	5.267	ug/l	97
18) Methyl Acetate	5.048	43	24096	5.070	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	46823	5.058	ug/l	95
20) Methylene Chloride	5.300	84	15809	5.178	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	15480	5.442	ug/l #	81
22) Diisopropyl ether	6.689	45	46396	5.191	ug/l	99
23) Vinyl Acetate	6.618	43	194334	25.735	ug/l	100
24) 1,1-Dichloroethane	6.583	63	26473	5.147	ug/l	99
25) 2-Butanone	7.494	43	68629	25.888	ug/l	99
26) 2,2-Dichloropropane	7.500	77	18288	4.571	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	17594	5.172	ug/l	98
28) Bromochloromethane	7.830	49	12958	5.124	ug/l #	97
29) Tetrahydrofuran	7.853	42	44749	25.912	ug/l	98
30) Chloroform	7.977	83	26450	5.149	ug/l	95
31) Cyclohexane	8.271	56	29938	6.002	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	22857	5.232	ug/l #	50
36) 1,1-Dichloropropene	8.377	75	19410	5.184	ug/l	98
37) Ethyl Acetate	7.571	43	26073	5.470	ug/l	97
38) Carbon Tetrachloride	8.371	117	19056	5.184	ug/l	99
39) Methylcyclohexane	9.606	83	27353	5.333	ug/l	95
40) Benzene	8.612	78	63646	5.199	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	13518	5.050	ug/l		99
42) 1,2-Dichloroethane	8.683	62	19329	5.205	ug/l		98
43) Isopropyl Acetate	8.700	43	40268	5.264	ug/l		98
44) Trichloroethene	9.359	130	15245	5.251	ug/l		96
45) 1,2-Dichloropropane	9.624	63	15632	5.248	ug/l		99
46) Dibromomethane	9.718	93	10241	5.176	ug/l		99
47) Bromodichloromethane	9.888	83	20512	5.039	ug/l		97
48) Methyl methacrylate	9.688	41	17591	4.996	ug/l		94
49) 1,4-Dioxane	9.700	88	6141	95.874	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.447	43	116434	25.283	ug/l		97
52) Toluene	10.630	92	38744	5.178	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	22285	4.896	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	24477	5.026	ug/l		93
55) 1,1,2-Trichloroethane	11.018	97	15068	5.234	ug/l		97
56) Ethyl methacrylate	10.888	69	21893	4.774	ug/l		95
57) 1,3-Dichloropropane	11.165	76	25452	5.096	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	64722	23.664	ug/l		98
59) 2-Hexanone	11.212	43	59884	20.188	ug/l		99
60) Dibromochloromethane	11.359	129	14884	4.962	ug/l		98
61) 1,2-Dibromoethane	11.471	107	15172	5.141	ug/l		99
64) Tetrachloroethene	11.106	164	12322	5.236	ug/l		92
65) Chlorobenzene	11.894	112	42195	5.145	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.965	131	13897	5.271	ug/l		97
67) Ethyl Benzene	11.965	91	73443	5.199	ug/l		97
68) m/p-Xylenes	12.071	106	55859	10.330	ug/l		100
69) o-Xylene	12.400	106	26004	5.021	ug/l		96
70) Styrene	12.412	104	44380	5.008	ug/l		98
71) Bromoform	12.582	173	9890	5.063	ug/l	#	96
73) Isopropylbenzene	12.694	105	67878	5.146	ug/l		100
74) N-amyl acetate	12.559	43	20096m	4.590	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	23516	5.262	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	21527m	4.986	ug/l		
77) Bromobenzene	12.976	156	15485	5.119	ug/l		92
78) n-propylbenzene	13.035	91	83781	5.226	ug/l		99
79) 2-Chlorotoluene	13.124	91	49297	5.128	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	55961	5.139	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	9234	4.939	ug/l		94
82) 4-Chlorotoluene	13.223	91	49924	5.132	ug/l		100
83) tert-Butylbenzene	13.435	119	50874	5.103	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	56525	5.176	ug/l		100
85) sec-Butylbenzene	13.618	105	74711	5.161	ug/l		99
86) p-Isopropyltoluene	13.729	119	62016	5.182	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	30949	5.200	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	32342	5.330	ug/l		96
89) n-Butylbenzene	14.053	91	59601	5.142	ug/l		99
90) Hexachloroethane	14.335	117	9725	4.794	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	29897	5.228	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5731	5.363	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	18778	5.143	ug/l		99
94) Hexachlorobutadiene	15.500	225	7072	5.199	ug/l		99
95) Naphthalene	15.641	128	67481	4.965	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	18262	5.034	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

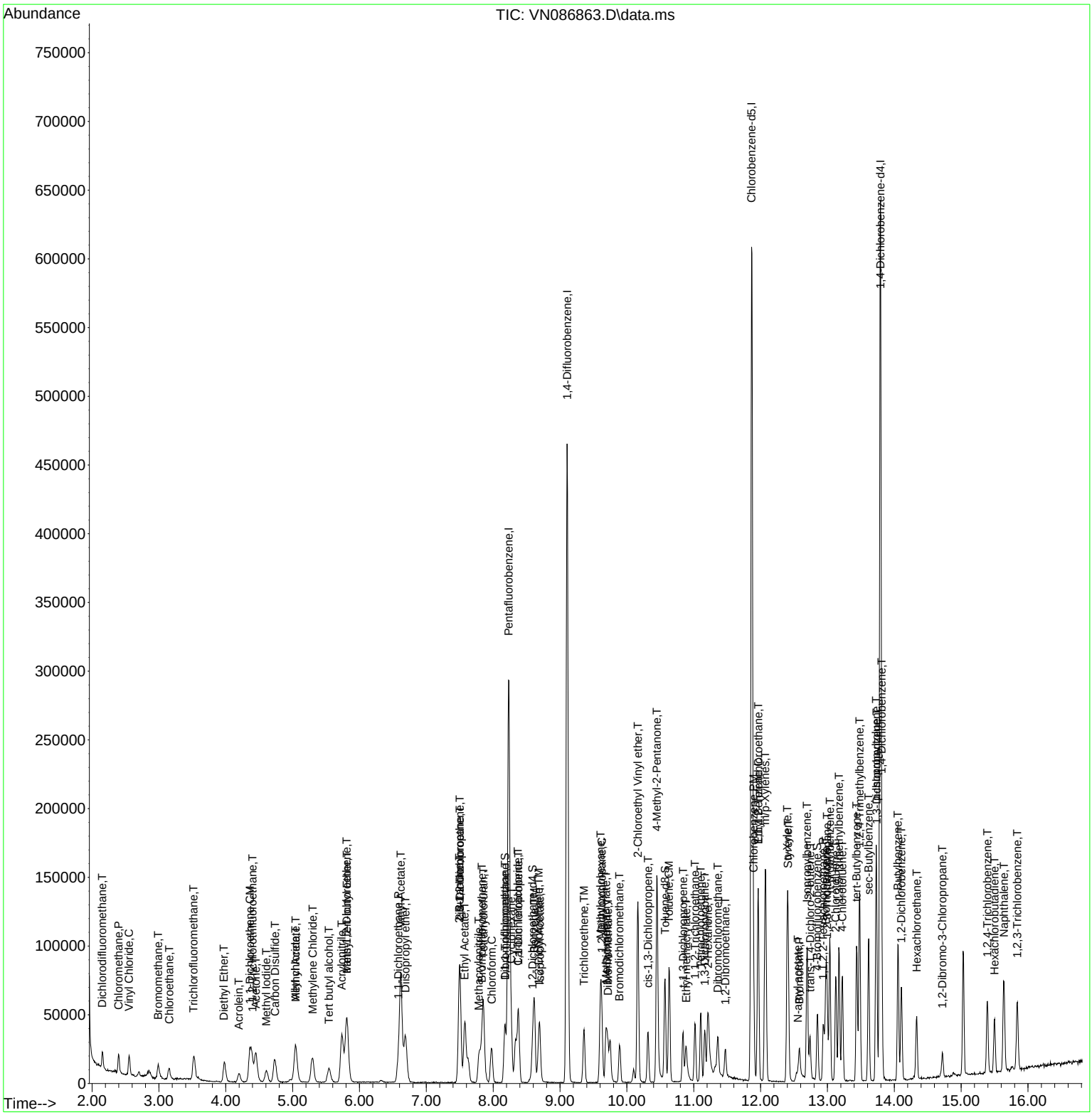
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	224006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	63390	21.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.280%#		
35) Dibromofluoromethane	8.177	113	51797	20.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.800%#		
50) Toluene-d8	10.571	98	201268	20.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.040%#		
62) 4-Bromofluorobenzene	12.853	95	74622	20.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	48254	21.605	ug/l	92
3) Chloromethane	2.401	50	57778	20.033	ug/l	93
4) Vinyl Chloride	2.559	62	61254	20.589	ug/l	99
5) Bromomethane	3.006	94	34022	20.435	ug/l	95
6) Chloroethane	3.159	64	39625	20.619	ug/l	99
7) Trichlorofluoromethane	3.524	101	80978	20.832	ug/l	94
8) Diethyl Ether	3.983	74	34288	20.245	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	50458	20.661	ug/l	98
10) Methyl Iodide	4.612	142	65360	20.646	ug/l	98
11) Tert butyl alcohol	5.547	59	87102	107.031	ug/l	99
12) 1,1-Dichloroethene	4.359	96	50485	20.249	ug/l	96
13) Acrolein	4.200	56	22866	88.767	ug/l	97
14) Allyl chloride	5.047	41	82924	20.055	ug/l	98
15) Acrylonitrile	5.742	53	199498	104.881	ug/l	99
16) Acetone	4.447	43	163979	103.099	ug/l	98
17) Carbon Disulfide	4.736	76	138195	20.038	ug/l	97
18) Methyl Acetate	5.047	43	96547	20.830	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	183780	20.358	ug/l	98
20) Methylene Chloride	5.294	84	57611	19.348	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	55643	20.059	ug/l	94
22) Diisopropyl ether	6.689	45	182472	20.935	ug/l	98
23) Vinyl Acetate	6.624	43	768556	104.365	ug/l	99
24) 1,1-Dichloroethane	6.583	63	103578	20.650	ug/l	99
25) 2-Butanone	7.494	43	270477	104.621	ug/l	100
26) 2,2-Dichloropropane	7.506	77	69692	17.862	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	68292	20.585	ug/l	98
28) Bromochloromethane	7.824	49	55196	22.381	ug/l	99
29) Tetrahydrofuran	7.853	42	178571	106.031	ug/l	99
30) Chloroform	7.977	83	102615	20.485	ug/l	93
31) Cyclohexane	8.271	56	100026	20.563	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	86810	20.376	ug/l	98
36) 1,1-Dichloropropene	8.383	75	73252	19.838	ug/l	100
37) Ethyl Acetate	7.571	43	96467	20.522	ug/l	98
38) Carbon Tetrachloride	8.377	117	72628	20.034	ug/l	97
39) Methylcyclohexane	9.606	83	98425	19.455	ug/l	99
40) Benzene	8.612	78	241444	19.996	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	53244	20.169	ug/l		98
42) 1,2-Dichloroethane	8.677	62	74238	20.270	ug/l		100
43) Isopropyl Acetate	8.694	43	151601	20.094	ug/l		99
44) Trichloroethene	9.359	130	57110	19.946	ug/l		96
45) 1,2-Dichloropropane	9.630	63	59293	20.184	ug/l		97
46) Dibromomethane	9.712	93	40290	20.648	ug/l		98
47) Bromodichloromethane	9.894	83	80353	20.015	ug/l		98
48) Methyl methacrylate	9.682	41	70457	20.290	ug/l		97
49) 1,4-Dioxane	9.706	88	28231	446.886	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	481741	106.066	ug/l		99
52) Toluene	10.635	92	148000	20.056	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	87683	19.532	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	94315	19.636	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	57195	20.143	ug/l		99
56) Ethyl methacrylate	10.882	69	94829	20.968	ug/l		98
57) 1,3-Dichloropropane	11.165	76	98205	19.938	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	278986	103.426	ug/l		99
59) 2-Hexanone	11.206	43	303686	103.803	ug/l		95
60) Dibromochloromethane	11.359	129	59961	20.268	ug/l		99
61) 1,2-Dibromoethane	11.471	107	59139	20.320	ug/l		97
64) Tetrachloroethene	11.106	164	45374	19.742	ug/l		96
65) Chlorobenzene	11.894	112	160803	20.076	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	52069	20.223	ug/l		99
67) Ethyl Benzene	11.965	91	277087	20.083	ug/l		98
68) m/p-Xylenes	12.071	106	215378	40.780	ug/l		100
69) o-Xylene	12.400	106	102050	20.175	ug/l		98
70) Styrene	12.412	104	178061	20.572	ug/l		99
71) Bromoform	12.576	173	40070	21.004	ug/l	#	99
73) Isopropylbenzene	12.694	105	264442	20.035	ug/l		100
74) N-amyl acetate	12.523	43	86003	19.633	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	92264	20.634	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	81846m	18.945	ug/l		
77) Bromobenzene	12.982	156	60877	20.111	ug/l		98
78) n-propylbenzene	13.035	91	322436	20.102	ug/l		100
79) 2-Chlorotoluene	13.123	91	193774	20.144	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	219937	20.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	37808	20.209	ug/l		92
82) 4-Chlorotoluene	13.223	91	193544	19.885	ug/l		99
83) tert-Butylbenzene	13.435	119	198303	19.880	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	221990	20.315	ug/l		100
85) sec-Butylbenzene	13.617	105	292563	20.196	ug/l		100
86) p-Isopropyltoluene	13.729	119	240682	20.099	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	120099	20.166	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	120102	19.780	ug/l		97
89) n-Butylbenzene	14.053	91	227536	19.617	ug/l		100
90) Hexachloroethane	14.335	117	41202	20.299	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	115645	20.212	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21025	19.661	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	71826	19.659	ug/l		98
94) Hexachlorobutadiene	15.500	225	27887	20.486	ug/l		97
95) Naphthalene	15.641	128	272584	20.043	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	71929	19.815	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 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

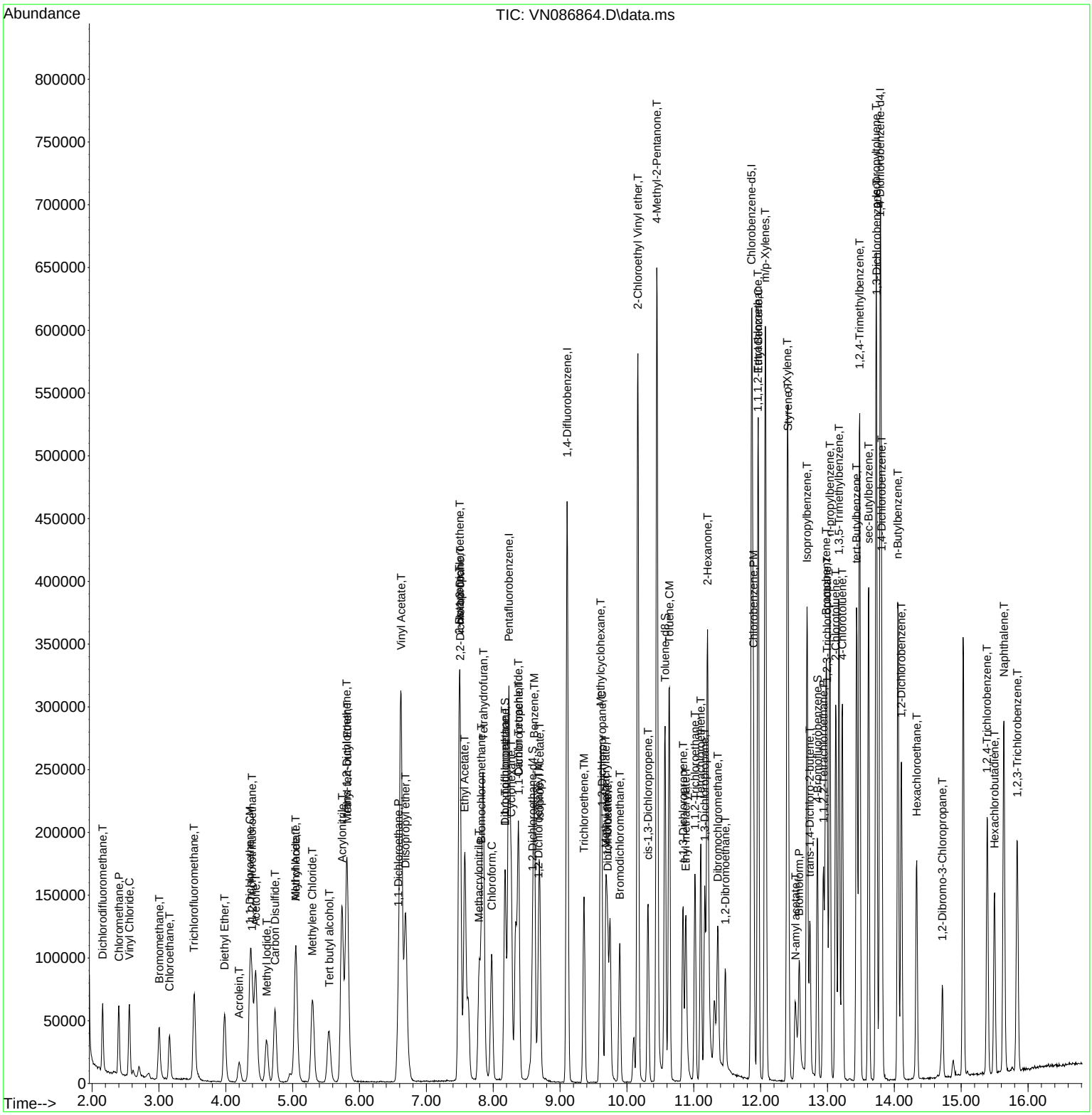
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
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 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	207354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	103736	37.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 74.740%			
35) Dibromofluoromethane	8.171	113	83058	37.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 74.040%#			
50) Toluene-d8	10.571	98	326105	36.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 73.440%#			
62) 4-Bromofluorobenzene	12.847	95	122965	37.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 74.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	103958	50.283	ug/l	100
3) Chloromethane	2.395	50	123866	46.397	ug/l	100
4) Vinyl Chloride	2.554	62	132783	48.215	ug/l	100
5) Bromomethane	2.995	94	73974	47.999	ug/l	100
6) Chloroethane	3.154	64	84505	47.504	ug/l	100
7) Trichlorofluoromethane	3.524	101	172860	48.041	ug/l	100
8) Diethyl Ether	3.983	74	75193	47.963	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	107695	47.640	ug/l	100
10) Methyl Iodide	4.606	142	141678	48.346	ug/l	100
11) Tert butyl alcohol	5.548	59	182315	242.020	ug/l	100
12) 1,1-Dichloroethene	4.359	96	110549	47.900	ug/l	100
13) Acrolein	4.201	56	47026	197.217	ug/l	100
14) Allyl chloride	5.042	41	179313	46.848	ug/l	100
15) Acrylonitrile	5.742	53	421941	239.638	ug/l	100
16) Acetone	4.448	43	333857	226.765	ug/l	100
17) Carbon Disulfide	4.730	76	295753	46.328	ug/l	100
18) Methyl Acetate	5.042	43	204538	47.673	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	400775	47.960	ug/l	100
20) Methylene Chloride	5.295	84	125498	45.531	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	117660	45.822	ug/l	100
22) Diisopropyl ether	6.689	45	384939	47.711	ug/l	100
23) Vinyl Acetate	6.618	43	1649023	241.910	ug/l	100
24) 1,1-Dichloroethane	6.583	63	220477	47.485	ug/l	100
25) 2-Butanone	7.494	43	571221	238.693	ug/l	100
26) 2,2-Dichloropropane	7.500	77	187567	51.933	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	144911	47.189	ug/l	100
28) Bromochloromethane	7.824	49	96707	42.362	ug/l	100
29) Tetrahydrofuran	7.853	42	371357	238.210	ug/l	100
30) Chloroform	7.977	83	220093	47.467	ug/l	100
31) Cyclohexane	8.271	56	208105	46.217	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185502	47.037	ug/l	100
36) 1,1-Dichloropropene	8.377	75	158341	47.362	ug/l	100
37) Ethyl Acetate	7.577	43	203091	47.720	ug/l	100
38) Carbon Tetrachloride	8.371	117	154677	47.126	ug/l	100
39) Methylcyclohexane	9.606	83	215849	47.126	ug/l	100
40) Benzene	8.612	78	509334	46.590	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
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 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	114727	48.000	ug/l		100
42) 1,2-Dichloroethane	8.677	62	155713	46.960	ug/l		100
43) Isopropyl Acetate	8.694	43	322741	47.248	ug/l		100
44) Trichloroethene	9.359	130	123847	47.776	ug/l		100
45) 1,2-Dichloropropane	9.630	63	125673	47.251	ug/l		100
46) Dibromomethane	9.718	93	83811	47.442	ug/l		100
47) Bromodichloromethane	9.894	83	173200	47.651	ug/l		100
48) Methyl methacrylate	9.683	41	149019	47.399	ug/l		100
49) 1,4-Dioxane	9.700	88	59060	1032.607	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	1017688	247.484	ug/l		100
52) Toluene	10.635	92	316219	47.331	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	197475	48.587	ug/l		100
54) cis-1,3-Dichloropropene	10.318	75	208523	47.950	ug/l		100
55) 1,1,2-Trichloroethane	11.018	97	121969	47.445	ug/l		100
56) Ethyl methacrylate	10.882	69	210467	51.401	ug/l		100
57) 1,3-Dichloropropane	11.165	76	212243	47.593	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	519139	212.570	ug/l		100
59) 2-Hexanone	11.200	43	696567	262.977	ug/l		100
60) Dibromochloromethane	11.359	129	128715	48.056	ug/l		100
61) 1,2-Dibromoethane	11.471	107	124522	47.258	ug/l		100
64) Tetrachloroethene	11.106	164	97679	46.382	ug/l		100
65) Chlorobenzene	11.894	112	340439	46.386	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.965	131	112333	47.615	ug/l		100
67) Ethyl Benzene	11.965	91	597593	47.271	ug/l		100
68) m/p-Xylenes	12.071	106	466620	96.424	ug/l		100
69) o-Xylene	12.400	106	224299	48.395	ug/l		100
70) Styrene	12.412	104	386596	48.745	ug/l		100
71) Bromoform	12.582	173	88127	50.415	ug/l	#	100
73) Isopropylbenzene	12.694	105	573905	47.023	ug/l		100
74) N-amyl acetate	12.512	43	212064	52.353	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.941	83	197360	47.732	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	196473m	49.183	ug/l		
77) Bromobenzene	12.982	156	132381	47.296	ug/l		100
78) n-propylbenzene	13.035	91	705524	47.567	ug/l		100
79) 2-Chlorotoluene	13.124	91	419986	47.216	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	485499	48.181	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	79732	46.089	ug/l		100
82) 4-Chlorotoluene	13.224	91	424066	47.117	ug/l		100
83) tert-Butylbenzene	13.435	119	438417	47.531	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	488189	48.314	ug/l		100
85) sec-Butylbenzene	13.618	105	641523	47.893	ug/l		100
86) p-Isopropyltoluene	13.729	119	533366	48.169	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	260310	47.269	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	263358	46.907	ug/l		100
89) n-Butylbenzene	14.053	91	512519	47.787	ug/l		100
90) Hexachloroethane	14.335	117	89896	47.896	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	251235	47.486	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	45535	46.049	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	162374	48.061	ug/l		100
94) Hexachlorobutadiene	15.500	225	60866	48.356	ug/l		100
95) Naphthalene	15.641	128	603088	47.958	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	159113	47.402	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
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 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

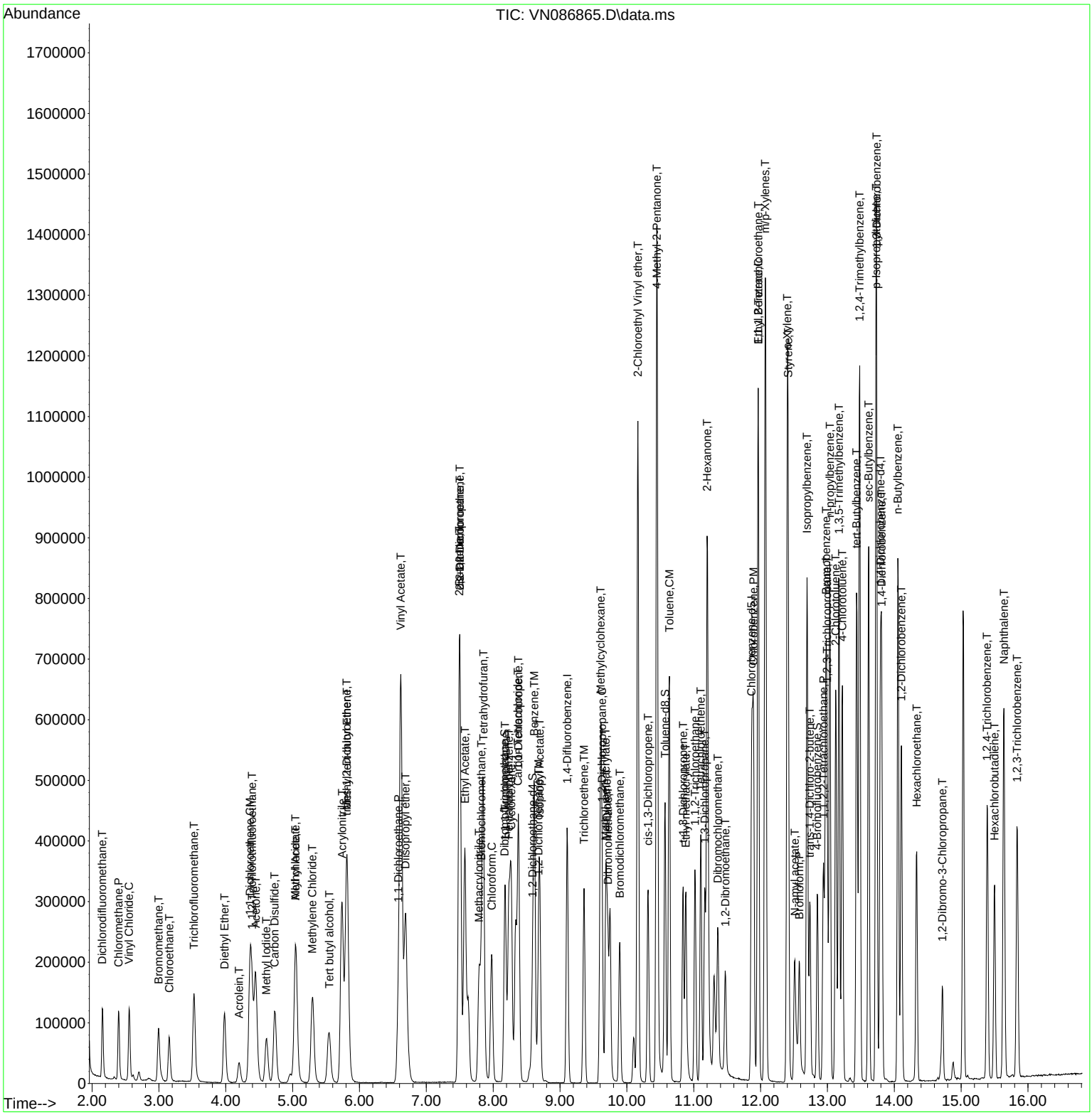
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	181996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	290313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238957	98.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.120%#			
35) Dibromofluoromethane	8.177	113	195212	100.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.980%#			
50) Toluene-d8	10.570	98	772210	100.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.840%#			
62) 4-Bromofluorobenzene	12.847	95	292385	102.339	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	194799	107.350	ug/l	100
3) Chloromethane	2.395	50	224558	95.833	ug/l	98
4) Vinyl Chloride	2.553	62	245135	101.414	ug/l	98
5) Bromomethane	2.977	94	137967	101.996	ug/l	99
6) Chloroethane	3.147	64	152150	97.447	ug/l	97
7) Trichlorofluoromethane	3.524	101	312394	98.917	ug/l	99
8) Diethyl Ether	3.983	74	139844	101.631	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	198739	100.163	ug/l	99
10) Methyl Iodide	4.612	142	262771	102.162	ug/l	99
11) Tert butyl alcohol	5.547	59	327987	496.062	ug/l	99
12) 1,1-Dichloroethene	4.359	96	200212	98.838	ug/l	99
13) Acrolein	4.200	56	94171	449.961	ug/l	98
14) Allyl chloride	5.047	41	329412	98.055	ug/l	99
15) Acrylonitrile	5.735	53	770470	498.552	ug/l	99
16) Acetone	4.447	43	608178	470.648	ug/l	98
17) Carbon Disulfide	4.736	76	544511	97.179	ug/l	100
18) Methyl Acetate	5.047	43	381808	101.390	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	735694	100.306	ug/l	100
20) Methylene Chloride	5.294	84	228800	94.575	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	215177	95.476	ug/l	99
22) Diisopropyl ether	6.688	45	696881	98.409	ug/l	98
23) Vinyl Acetate	6.618	43	2919350	487.936	ug/l	100
24) 1,1-Dichloroethane	6.588	63	404207	99.186	ug/l	99
25) 2-Butanone	7.494	43	1043385	496.743	ug/l	100
26) 2,2-Dichloropropane	7.500	77	331995	104.729	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	265248	98.410	ug/l	99
28) Bromochloromethane	7.824	49	188050	93.851	ug/l	99
29) Tetrahydrofuran	7.847	42	677636	495.240	ug/l	99
30) Chloroform	7.977	83	394927	97.040	ug/l	99
31) Cyclohexane	8.265	56	374933	94.869	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	336819	97.306	ug/l	99
36) 1,1-Dichloropropene	8.382	75	289907	100.156	ug/l	99
37) Ethyl Acetate	7.571	43	370652	100.591	ug/l	99
38) Carbon Tetrachloride	8.371	117	285325	100.404	ug/l	98
39) Methylcyclohexane	9.606	83	395603	99.758	ug/l	99
40) Benzene	8.612	78	927083	97.946	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.794	41	195946	94.688	ug/l		95
42) 1,2-Dichloroethane	8.676	62	282015	98.232	ug/l		100
43) Isopropyl Acetate	8.694	43	579464	97.981	ug/l		99
44) Trichloroethene	9.359	130	222822	99.280	ug/l		97
45) 1,2-Dichloropropane	9.629	63	230454	100.077	ug/l		98
46) Dibromomethane	9.712	93	155530	101.685	ug/l		99
47) Bromodichloromethane	9.894	83	316375	100.533	ug/l		100
48) Methyl methacrylate	9.682	41	275710	101.288	ug/l		99
49) 1,4-Dioxane	9.706	88	104771	2115.744	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1843274	517.729	ug/l		99
52) Toluene	10.635	92	578978	100.092	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	359200	102.077	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	383030	101.730	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	219922	98.808	ug/l		98
56) Ethyl methacrylate	10.882	69	389802	109.955	ug/l		99
57) 1,3-Dichloropropane	11.165	76	382510	99.069	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	1113523	526.621	ug/l		100
59) 2-Hexanone	11.200	43	1301539	567.535	ug/l		99
60) Dibromochloromethane	11.359	129	237965	102.616	ug/l		100
61) 1,2-Dibromoethane	11.470	107	232214	101.787	ug/l		98
64) Tetrachloroethene	11.106	164	181568	98.824	ug/l		94
65) Chlorobenzene	11.894	112	632563	98.793	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	206895	100.521	ug/l		100
67) Ethyl Benzene	11.964	91	1110803	100.717	ug/l		99
68) m/p-Xylenes	12.070	106	854557	202.411	ug/l		99
69) o-Xylene	12.400	106	412719	102.070	ug/l		100
70) Styrene	12.412	104	713548	103.127	ug/l		100
71) Bromoform	12.576	173	165781	108.707	ug/l	#	99
73) Isopropylbenzene	12.694	105	1065297	99.410	ug/l		100
74) N-amyl acetate	12.506	43	403587	113.475	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	354386	97.616	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	353334m	100.738	ug/l		
77) Bromobenzene	12.982	156	246413	100.266	ug/l		99
78) n-propylbenzene	13.035	91	1301631	99.948	ug/l		100
79) 2-Chlorotoluene	13.123	91	770308	98.630	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	901317	101.873	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	160736	105.820	ug/l		92
82) 4-Chlorotoluene	13.223	91	783657	99.166	ug/l		100
83) tert-Butylbenzene	13.435	119	807528	99.710	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	904794	101.983	ug/l		100
85) sec-Butylbenzene	13.617	105	1182155	100.513	ug/l		99
86) p-Isopropyltoluene	13.729	119	990273	101.857	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	474162	98.063	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	483003	97.978	ug/l		99
89) n-Butylbenzene	14.053	91	937913	99.598	ug/l		100
90) Hexachloroethane	14.335	117	169772	103.019	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	458049	98.602	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	83243	95.877	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	298870	100.751	ug/l		99
94) Hexachlorobutadiene	15.500	225	112496	101.789	ug/l		98
95) Naphthalene	15.641	128	1129434	102.290	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	294127	99.796	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 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

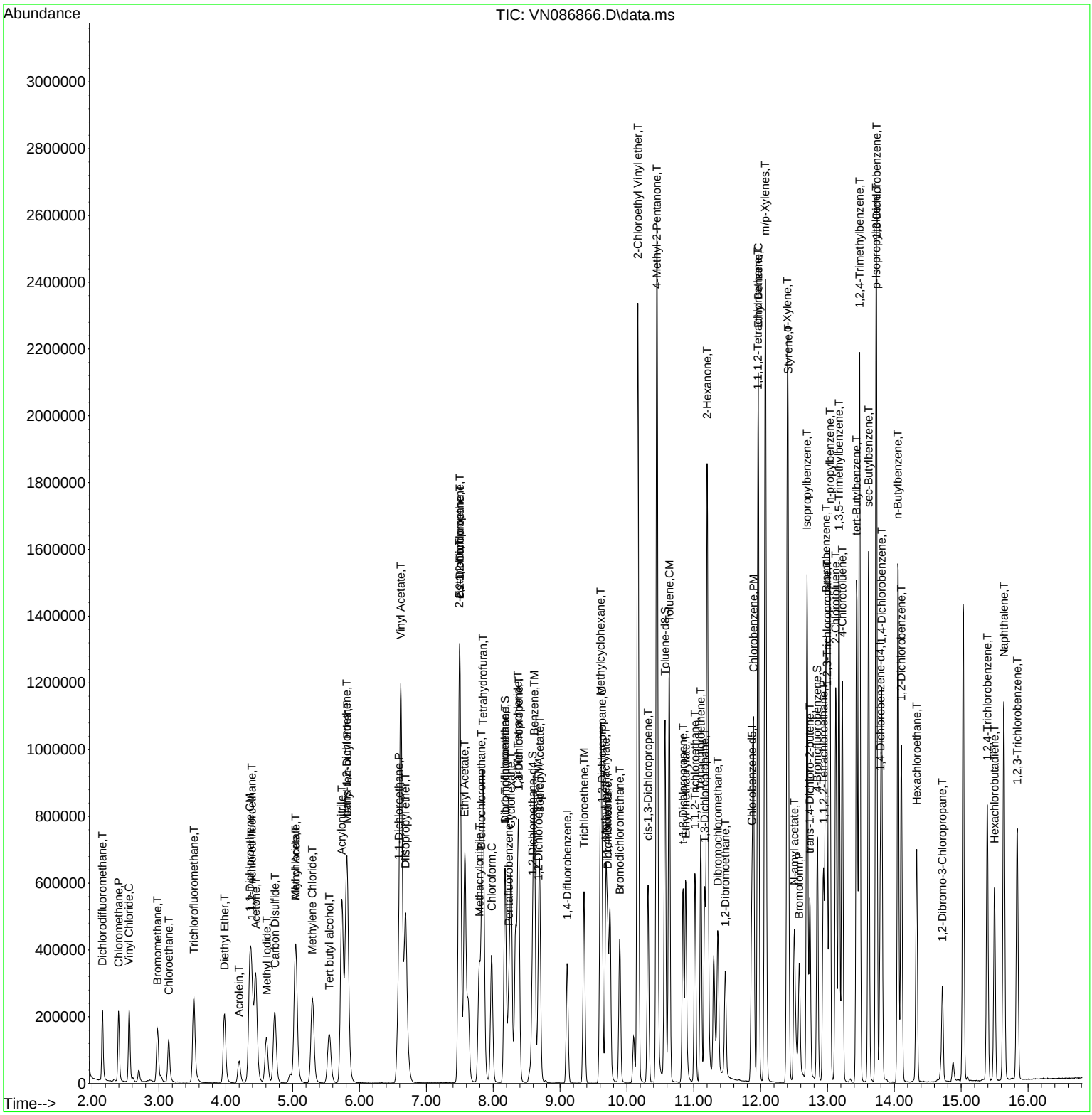
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	172832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	278552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	389297	168.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 336.460%#			
35) Dibromofluoromethane	8.176	113	324474	177.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 355.600%#			
50) Toluene-d8	10.570	98	1272348	176.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 352.240%#			
62) 4-Bromofluorobenzene	12.847	95	481421	179.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 358.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	262143	152.122	ug/l	100
3) Chloromethane	2.394	50	304558	136.865	ug/l	100
4) Vinyl Chloride	2.553	62	335834	146.303	ug/l	100
5) Bromomethane	2.965	94	190786	148.522	ug/l	98
6) Chloroethane	3.136	64	208568	140.664	ug/l	96
7) Trichlorofluoromethane	3.518	101	427871	142.666	ug/l	100
8) Diethyl Ether	3.983	74	191555	146.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.388	101	269810	143.192	ug/l	100
10) Methyl Iodide	4.606	142	352020	144.118	ug/l	99
11) Tert butyl alcohol	5.553	59	430866	686.213	ug/l	100
12) 1,1-Dichloroethene	4.353	96	273388	142.118	ug/l	98
13) Acrolein	4.194	56	171625	863.526	ug/l	99
14) Allyl chloride	5.035	41	490852	153.858	ug/l	92
15) Acrylonitrile	5.735	53	1048372	714.344	ug/l	99
16) Acetone	4.447	43	819041	667.435	ug/l	100
17) Carbon Disulfide	4.730	76	742788	139.594	ug/l	100
18) Methyl Acetate	5.041	43	523996	146.527	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	998781	143.396	ug/l	99
20) Methylene Chloride	5.300	84	311597	135.628	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	290960	135.947	ug/l	97
22) Diisopropyl ether	6.688	45	947638	140.915	ug/l	98
23) Vinyl Acetate	6.618	43	3932872	692.189	ug/l	99
24) 1,1-Dichloroethane	6.582	63	540881	139.761	ug/l	99
25) 2-Butanone	7.494	43	1381940	692.809	ug/l	99
26) 2,2-Dichloropropane	7.500	77	450112	149.519	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	363398	141.974	ug/l	99
28) Bromochloromethane	7.824	49	290594	152.718	ug/l	98
29) Tetrahydrofuran	7.847	42	898159	691.211	ug/l	98
30) Chloroform	7.976	83	534038	138.179	ug/l	97
31) Cyclohexane	8.265	56	505795	134.766	ug/l	96
32) 1,1,1-Trichloroethane	8.176	97	462854	140.807	ug/l	99
36) 1,1-Dichloropropene	8.376	75	393166	144.584	ug/l	100
37) Ethyl Acetate	7.571	43	494000	142.706	ug/l	99
38) Carbon Tetrachloride	8.371	117	388595	145.557	ug/l	98
39) Methylcyclohexane	9.606	83	544437	146.136	ug/l	97
40) Benzene	8.612	78	1266139	142.388	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.788	41	276400	142.174 ug/l	98
42) 1,2-Dichloroethane	8.676	62	381516	141.455 ug/l	100
43) Isopropyl Acetate	8.694	43	780791	140.531 ug/l	99
44) Trichloroethene	9.359	130	302548	143.490 ug/l	96
45) 1,2-Dichloropropane	9.623	63	309047	142.856 ug/l	100
46) Dibromomethane	9.712	93	208461	145.074 ug/l	100
47) Bromodichloromethane	9.894	83	430011	145.449 ug/l	100
48) Methyl methacrylate	9.688	41	366967	143.502 ug/l	99
49) 1,4-Dioxane	9.712	88	138035	2967.116 ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	2438311	728.995 ug/l	98
52) Toluene	10.635	92	793270	145.976 ug/l	100
53) t-1,3-Dichloropropene	10.841	75	489809	148.163 ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	518092	146.469 ug/l	99
55) 1,1,2-Trichloroethane	11.017	97	298151	142.588 ug/l	99
56) Ethyl methacrylate	10.876	69	533912	160.311 ug/l	98
57) 1,3-Dichloropropane	11.165	76	516391	142.363 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	1869543	941.147 ug/l	99
59) 2-Hexanone	11.200	43	1735777	805.662 ug/l	99
60) Dibromochloromethane	11.365	129	322064	147.832 ug/l	98
61) 1,2-Dibromoethane	11.470	107	314606	146.790 ug/l	99
64) Tetrachloroethene	11.106	164	245122	139.048 ug/l	97
65) Chlorobenzene	11.894	112	860345	140.041 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	282739	143.171 ug/l	99
67) Ethyl Benzene	11.964	91	1517883	143.438 ug/l	98
68) m/p-Xylenes	12.070	106	1175378	290.155 ug/l	99
69) o-Xylene	12.400	106	566301	145.966 ug/l	100
70) Styrene	12.411	104	972318	146.459 ug/l	100
71) Bromoform	12.582	173	223200	152.538 ug/l #	99
73) Isopropylbenzene	12.694	105	1453651	146.042 ug/l	100
74) N-amyl acetate	12.500	43	543747	164.596 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	474426	140.693 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	468041m	143.665 ug/l	
77) Bromobenzene	12.982	156	335734	147.077 ug/l	98
78) n-propylbenzene	13.035	91	1769694	146.301 ug/l	99
79) 2-Chlorotoluene	13.123	91	1046916	144.317 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1210325	147.279 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	216253	153.277 ug/l	95
82) 4-Chlorotoluene	13.223	91	1063581	144.900 ug/l	100
83) tert-Butylbenzene	13.435	119	1093406	145.352 ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	1216529	147.626 ug/l	100
85) sec-Butylbenzene	13.617	105	1582762	144.885 ug/l	99
86) p-Isopropyltoluene	13.729	119	1322780	146.482 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	641966	142.939 ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	646188	141.124 ug/l	99
89) n-Butylbenzene	14.053	91	1251819	143.117 ug/l	100
90) Hexachloroethane	14.335	117	230195	150.387 ug/l	98
91) 1,2-Dichlorobenzene	14.105	146	613177	142.108 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	110677	137.242 ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	407621	147.940 ug/l	99
94) Hexachlorobutadiene	15.500	225	151172	147.264 ug/l	98
95) Naphthalene	15.641	128	1545981	150.743 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	404450	147.743 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 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

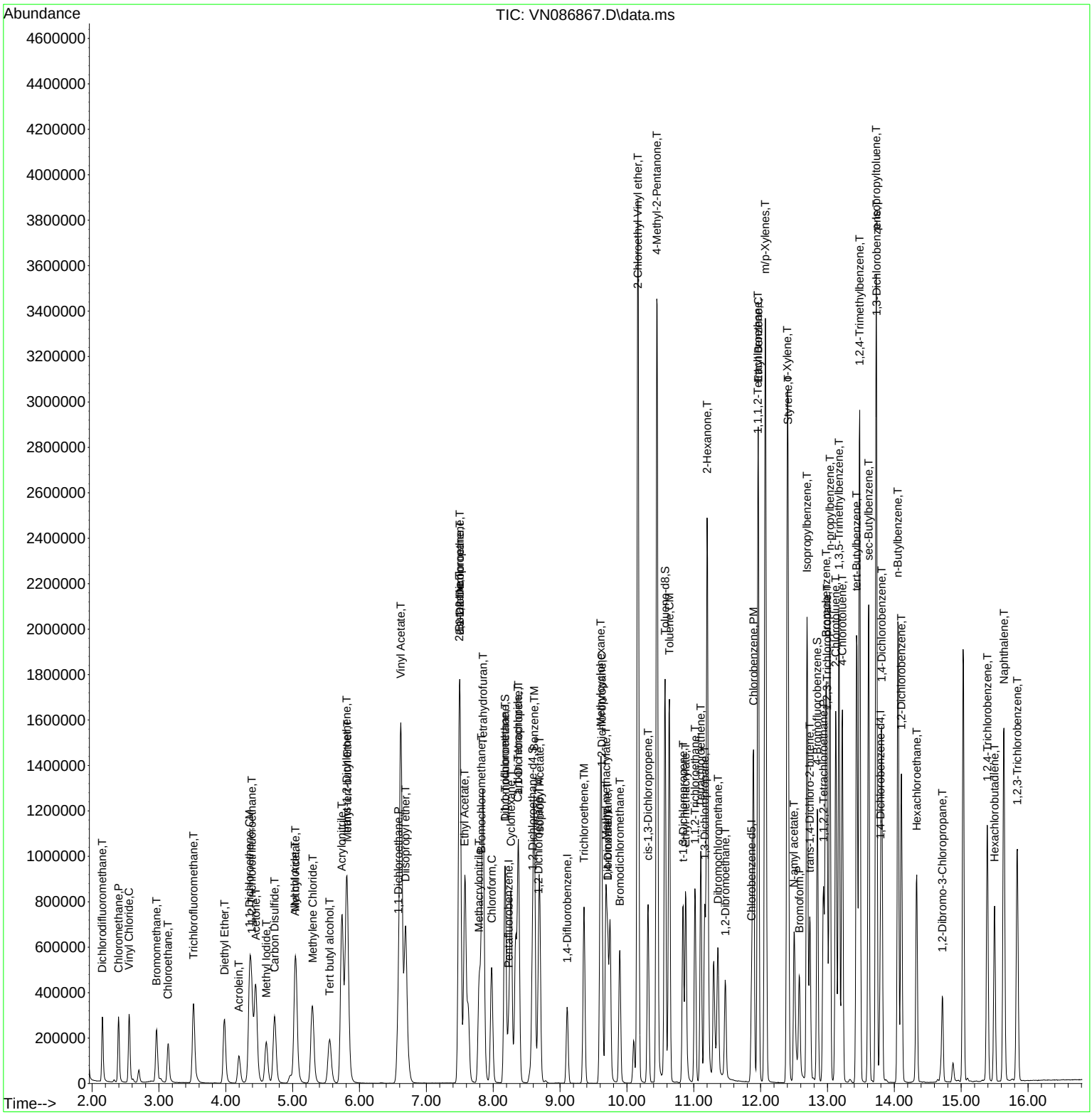
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	218122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	152255	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	127102	54.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	491265	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	185792	54.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	120237	55.286	ug/l	99
3) Chloromethane	2.401	50	139027	49.505	ug/l	99
4) Vinyl Chloride	2.554	62	151951	52.451	ug/l	99
5) Bromomethane	2.989	94	89638	55.292	ug/l	95
6) Chloroethane	3.154	64	95654	51.117	ug/l	96
7) Trichlorofluoromethane	3.524	101	196138	51.819	ug/l	97
8) Diethyl Ether	3.983	74	87405	53.001	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	127498	53.615	ug/l	99
10) Methyl Iodide	4.612	142	164080	53.227	ug/l	97
11) Tert butyl alcohol	5.542	59	207768	262.193	ug/l	99
12) 1,1-Dichloroethene	4.359	96	125461	51.678	ug/l	99
13) Acrolein	4.195	56	60336	240.545	ug/l	98
14) Allyl chloride	5.042	41	203344	50.504	ug/l	98
15) Acrylonitrile	5.736	53	479502	258.885	ug/l	100
16) Acetone	4.448	43	382146	246.750	ug/l	98
17) Carbon Disulfide	4.736	76	339466	50.550	ug/l	100
18) Methyl Acetate	5.042	43	234290	51.912	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	454641	51.720	ug/l	100
20) Methylene Chloride	5.295	84	143862	49.617	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	133535	49.437	ug/l	99
22) Diisopropyl ether	6.689	45	440080	51.853	ug/l	99
23) Vinyl Acetate	6.618	43	1828919	255.055	ug/l	99
24) 1,1-Dichloroethane	6.589	63	251473	51.487	ug/l	98
25) 2-Butanone	7.494	43	644194	255.897	ug/l	99
26) 2,2-Dichloropropane	7.500	77	216678	57.031	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	164985	51.073	ug/l	99
28) Bromochloromethane	7.824	49	108810	45.310	ug/l	99
29) Tetrahydrofuran	7.847	42	420891	256.656	ug/l	100
30) Chloroform	7.977	83	248429	50.933	ug/l	97
31) Cyclohexane	8.265	56	237836	50.212	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	209927	50.603	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181414	52.123	ug/l	99
37) Ethyl Acetate	7.571	43	222090	50.125	ug/l	99
38) Carbon Tetrachloride	8.371	117	179281	52.466	ug/l	98
39) Methylcyclohexane	9.606	83	251231	52.686	ug/l	98
40) Benzene	8.612	78	579667	50.931	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	130903	52.607	ug/l		100
42) 1,2-Dichloroethane	8.677	62	177746	51.489	ug/l		100
43) Isopropyl Acetate	8.694	43	359378	50.536	ug/l		100
44) Trichloroethene	9.359	130	139763	51.788	ug/l		100
45) 1,2-Dichloropropane	9.624	63	142463	51.450	ug/l		99
46) Dibromomethane	9.712	93	97199	52.849	ug/l		98
47) Bromodichloromethane	9.894	83	196104	51.824	ug/l		100
48) Methyl methacrylate	9.688	41	168001	51.328	ug/l		98
49) 1,4-Dioxane	9.706	88	66102	1110.123	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1146622	267.835	ug/l		99
52) Toluene	10.635	92	361963	52.040	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	224839	53.137	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	237774	52.519	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	137998	51.562	ug/l		99
56) Ethyl methacrylate	10.882	69	241649	56.688	ug/l		98
57) 1,3-Dichloropropane	11.165	76	238572	51.386	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	625479	246.006	ug/l		100
59) 2-Hexanone	11.200	43	781717	283.478	ug/l		100
60) Dibromochloromethane	11.359	129	146749	52.627	ug/l		99
61) 1,2-Dibromoethane	11.471	107	142338	51.887	ug/l		99
64) Tetrachloroethene	11.106	164	111409	50.450	ug/l		98
65) Chlorobenzene	11.894	112	391661	50.892	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	129045	52.164	ug/l		99
67) Ethyl Benzene	11.965	91	683879	51.590	ug/l		98
68) m/p-Xylenes	12.071	106	527293	103.912	ug/l		98
69) o-Xylene	12.400	106	254600	52.387	ug/l		100
70) Styrene	12.412	104	438751	52.758	ug/l		99
71) Bromoform	12.582	173	100357	54.751	ug/l	#	99
73) Isopropylbenzene	12.694	105	652045	51.823	ug/l		100
74) N-amyl acetate	12.506	43	238355	54.212	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	220643	51.763	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	220957m	53.821	ug/l		
77) Bromobenzene	12.982	156	150950	52.313	ug/l		100
78) n-propylbenzene	13.035	91	801180	52.397	ug/l		100
79) 2-Chlorotoluene	13.123	91	473629	51.650	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	548347	52.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	99341	55.702	ug/l		97
82) 4-Chlorotoluene	13.223	91	481403	51.884	ug/l		99
83) tert-Butylbenzene	13.441	119	499519	52.532	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	552333	53.024	ug/l		100
85) sec-Butylbenzene	13.618	105	723986	52.428	ug/l		100
86) p-Isopropyltoluene	13.729	119	606979	53.174	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	290810	51.224	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	298412	51.557	ug/l		100
89) n-Butylbenzene	14.059	91	579636	52.424	ug/l		100
90) Hexachloroethane	14.335	117	102254	52.847	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	280025	51.340	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50115	49.161	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	181064	51.986	ug/l		99
94) Hexachlorobutadiene	15.500	225	68570	52.843	ug/l		99
95) Naphthalene	15.641	128	674187	52.005	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	174888	50.539	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

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

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

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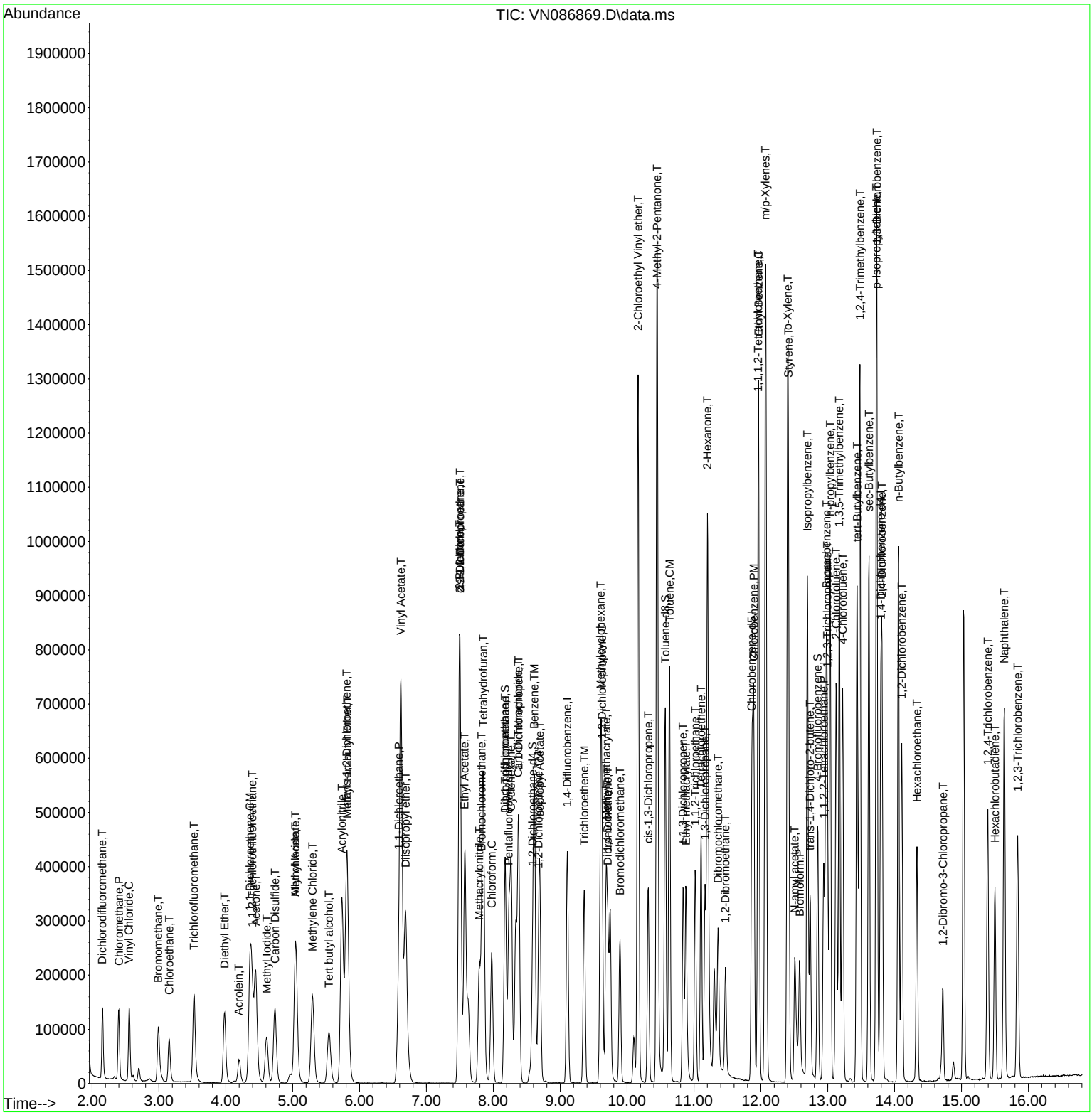

Evaluate Continuing Calibration Report

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	105	0.00
2	T	Dichlorodifluoromethane	0.499	0.551	-10.4	116	0.00
3	P	Chloromethane	0.644	0.637	1.1	112	0.00
4	C	Vinyl Chloride	0.664	0.697	-5.0#	114	0.00
5	T	Bromomethane	0.372	0.411	-10.5	121	0.00
6	T	Chloroethane	0.429	0.439	-2.3	113	0.00
7	T	Trichlorofluoromethane	0.868	0.899	-3.6	113	0.00
8	T	Diethyl Ether	0.378	0.401	-6.1	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.585	-7.3	118	0.00
10	T	Methyl Iodide	0.707	0.752	-6.4	116	0.00
11	T	Tert butyl alcohol	0.182	0.191	-4.9	114	0.00
12	CM	1,1-Dichloroethene	0.557	0.575	-3.2#	113	0.00
13	T	Acrolein	0.057	0.055	3.5	128	0.00
14	T	Allyl chloride	0.923	0.932	-1.0	113	0.00
15	T	Acrylonitrile	0.425	0.440	-3.5	114	0.00
16	T	Acetone	0.355	0.350	1.4	114	0.00
17	T	Carbon Disulfide	1.539	1.556	-1.1	115	0.00
18	T	Methyl Acetate	1.035	1.074	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	2.015	2.084	-3.4	113	0.00
20	T	Methylene Chloride	0.665	0.660	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.612	1.1	113	0.00
22	T	Diisopropyl ether	1.945	2.018	-3.8	114	0.00
23	T	Vinyl Acetate	1.644	1.677	-2.0	111	0.00
24	P	1,1-Dichloroethane	1.120	1.153	-2.9	114	0.00
25	T	2-Butanone	0.577	0.591	-2.4	113	0.00
26	T	2,2-Dichloropropane	0.871	0.993	-14.0	116	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.756	-2.2	114	0.00
28	T	Bromochloromethane	0.550	0.499	9.3	113	0.00
29	T	Tetrahydrofuran	0.376	0.386	-2.7	113	0.00
30	C	Chloroform	1.118	1.139	-1.9#	113	0.00
31	T	Cyclohexane	1.086	1.090	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	0.951	0.962	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.698	-4.3	147	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.296	0.322	-8.8	153#	0.00
36	T	1,1-Dichloropropene	0.442	0.460	-4.1	115	0.00
37	T	Ethyl Acetate	0.562	0.563	-0.2	109	0.00
38	T	Carbon Tetrachloride	0.433	0.455	-5.1	116	0.00
39	T	Methylcyclohexane	0.605	0.637	-5.3	116	0.00
40	TM	Benzene	1.444	1.471	-1.9	114	0.00
41	T	Methacrylonitrile	0.316	0.332	-5.1	114	0.00
42	TM	1,2-Dichloroethane	0.438	0.451	-3.0	114	0.00
43	T	Isopropyl Acetate	0.902	0.912	-1.1	111	0.00
44	TM	Trichloroethene	0.342	0.355	-3.8	113	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	113	0.00
46	T	Dibromomethane	0.233	0.247	-6.0	116	0.00
47	T	Bromodichloromethane	0.480	0.498	-3.8	113	0.00
48	T	Methyl methacrylate	0.415	0.426	-2.7	113	0.00

ICAL Form

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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	0.008	0.008	0.0	112	0.00
50	S	Toluene-d8	1.173	1.246	-6.2	151#	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.582	-7.2	113	0.00
52	CM	Toluene	0.882	0.918	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	0.537	0.570	-6.1	114	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.603	-5.1	114	0.00
55	T	1,1,2-Trichloroethane	0.340	0.350	-2.9	113	0.00
56	T	Ethyl methacrylate	0.541	0.613	-13.3	115	0.00
57	T	1,3-Dichloropropane	0.589	0.605	-2.7	112	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.317	1.9	120	0.00
59	T	2-Hexanone	0.350	0.397	-13.4	112	0.00
60	T	Dibromochloromethane	0.354	0.372	-5.1	114	0.00
61	T	1,2-Dibromoethane	0.348	0.361	-3.7	114	0.00
62	S	4-Bromofluorobenzene	0.436	0.471	-8.0	151#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.316	0.319	-0.9	114	0.00
65	PM	Chlorobenzene	1.103	1.122	-1.7	115	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.370	-4.5	115	0.00
67	C	Ethyl Benzene	1.899	1.960	-3.2#	114	0.00
68	T	m/p-Xylenes	0.727	0.756	-4.0	113	0.00
69	T	o-Xylene	0.696	0.730	-4.9	114	0.00
70	T	Styrene	1.192	1.257	-5.5	113	0.00
71	P	Bromoform	0.263	0.288	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.643	3.775	-3.6	114	0.00
74	T	N-amyl acetate	1.273	1.380	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.278	-3.6	112	0.00
76	T	1,2,3-Trichloropropane	1.189	1.279	-7.6	112	0.00
77	T	Bromobenzene	0.835	0.874	-4.7	114	0.00
78	T	n-propylbenzene	4.427	4.639	-4.8	114	0.00
79	T	2-Chlorotoluene	2.655	2.742	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.175	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.575	-11.4	125	0.00
82	T	4-Chlorotoluene	2.686	2.787	-3.8	114	0.00
83	T	tert-Butylbenzene	2.753	2.892	-5.0	114	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.198	-6.0	113	0.00
85	T	sec-Butylbenzene	3.998	4.192	-4.9	113	0.00
86	T	p-Isopropyltoluene	3.305	3.514	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	1.644	1.684	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	1.676	1.728	-3.1	113	0.00
89	T	n-Butylbenzene	3.201	3.356	-4.8	113	0.00
90	T	Hexachloroethane	0.560	0.592	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	1.579	1.621	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.290	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	1.008	1.048	-4.0	112	0.00
94	T	Hexachlorobutadiene	0.376	0.397	-5.6	113	0.00
95	T	Naphthalene	3.753	3.904	-4.0	112	0.00

ICAL Form

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Acq On : 06 Jun 2025 15:54
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Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ICVVN060625

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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	1.002	1.013	-1.1	110	0.00

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

Evaluate Continuing Calibration Report

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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	50.000	55.286	-10.6	116	0.00
3	P	Chloromethane	50.000	49.505	1.0	112	0.00
4	C	Vinyl Chloride	50.000	52.451	-4.9#	114	0.00
5	T	Bromomethane	50.000	55.292	-10.6	121	0.00
6	T	Chloroethane	50.000	51.117	-2.2	113	0.00
7	T	Trichlorofluoromethane	50.000	51.819	-3.6	113	0.00
8	T	Diethyl Ether	50.000	53.001	-6.0	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.615	-7.2	118	0.00
10	T	Methyl Iodide	50.000	53.227	-6.5	116	0.00
11	T	Tert butyl alcohol	250.000	262.193	-4.9	114	0.00
12	CM	1,1-Dichloroethene	50.000	51.678	-3.4#	113	0.00
13	T	Acrolein	250.000	240.545	3.8	128	0.00
14	T	Allyl chloride	50.000	50.504	-1.0	113	0.00
15	T	Acrylonitrile	250.000	258.885	-3.6	114	0.00
16	T	Acetone	250.000	246.750	1.3	114	0.00
17	T	Carbon Disulfide	50.000	50.550	-1.1	115	0.00
18	T	Methyl Acetate	50.000	51.912	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	50.000	51.720	-3.4	113	0.00
20	T	Methylene Chloride	50.000	49.617	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.437	1.1	113	0.00
22	T	Diisopropyl ether	50.000	51.853	-3.7	114	0.00
23	T	Vinyl Acetate	250.000	255.055	-2.0	111	0.00
24	P	1,1-Dichloroethane	50.000	51.487	-3.0	114	0.00
25	T	2-Butanone	250.000	255.897	-2.4	113	0.00
26	T	2,2-Dichloropropane	50.000	57.031	-14.1	116	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.073	-2.1	114	0.00
28	T	Bromochloromethane	50.000	45.310	9.4	113	0.00
29	T	Tetrahydrofuran	250.000	256.656	-2.7	113	0.00
30	C	Chloroform	50.000	50.933	-1.9#	113	0.00
31	T	Cyclohexane	50.000	50.212	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	50.000	50.603	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.135	-4.3	147	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	54.416	-8.8	153	0.00
36	T	1,1-Dichloropropene	50.000	52.123	-4.2	115	0.00
37	T	Ethyl Acetate	50.000	50.125	-0.3	109	0.00
38	T	Carbon Tetrachloride	50.000	52.466	-4.9	116	0.00
39	T	Methylcyclohexane	50.000	52.686	-5.4	116	0.00
40	TM	Benzene	50.000	50.931	-1.9	114	0.00
41	T	Methacrylonitrile	50.000	52.607	-5.2	114	0.00
42	TM	1,2-Dichloroethane	50.000	51.489	-3.0	114	0.00
43	T	Isopropyl Acetate	50.000	50.536	-1.1	111	0.00
44	TM	Trichloroethene	50.000	51.788	-3.6	113	0.00
45	C	1,2-Dichloropropane	50.000	51.450	-2.9#	113	0.00
46	T	Dibromomethane	50.000	52.849	-5.7	116	0.00
47	T	Bromodichloromethane	50.000	51.824	-3.6	113	0.00
48	T	Methyl methacrylate	50.000	51.328	-2.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	1110.123	-11.0	112	0.00
50	S	Toluene-d8	50.000	53.129	-6.3	151	0.00
51	T	4-Methyl-2-Pentanone	250.000	267.835	-7.1	113	0.00
52	CM	Toluene	50.000	52.040	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	50.000	53.137	-6.3	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.519	-5.0	114	0.00
55	T	1,1,2-Trichloroethane	50.000	51.562	-3.1	113	0.00
56	T	Ethyl methacrylate	50.000	56.688	-13.4	115	0.00
57	T	1,3-Dichloropropane	50.000	51.386	-2.8	112	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.006	1.6	120	0.00
59	T	2-Hexanone	250.000	283.478	-13.4	112	0.00
60	T	Dibromochloromethane	50.000	52.627	-5.3	114	0.00
61	T	1,2-Dibromoethane	50.000	51.887	-3.8	114	0.00
62	S	4-Bromofluorobenzene	50.000	54.081	-8.2	151	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	50.450	-0.9	114	0.00
65	PM	Chlorobenzene	50.000	50.892	-1.8	115	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.164	-4.3	115	0.00
67	C	Ethyl Benzene	50.000	51.590	-3.2#	114	0.00
68	T	m/p-Xylenes	100.000	103.912	-3.9	113	0.00
69	T	o-Xylene	50.000	52.387	-4.8	114	0.00
70	T	Styrene	50.000	52.758	-5.5	113	0.00
71	P	Bromoform	50.000	54.751	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	51.823	-3.6	114	0.00
74	T	N-amyl acetate	50.000	54.212	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.763	-3.5	112	0.00
76	T	1,2,3-Trichloropropane	50.000	53.821	-7.6	112	0.00
77	T	Bromobenzene	50.000	52.313	-4.6	114	0.00
78	T	n-propylbenzene	50.000	52.397	-4.8	114	0.00
79	T	2-Chlorotoluene	50.000	51.650	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.787	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.702	-11.4	125	0.00
82	T	4-Chlorotoluene	50.000	51.884	-3.8	114	0.00
83	T	tert-Butylbenzene	50.000	52.532	-5.1	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.024	-6.0	113	0.00
85	T	sec-Butylbenzene	50.000	52.428	-4.9	113	0.00
86	T	p-Isopropyltoluene	50.000	53.174	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	50.000	51.224	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	50.000	51.557	-3.1	113	0.00
89	T	n-Butylbenzene	50.000	52.424	-4.8	113	0.00
90	T	Hexachloroethane	50.000	52.847	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	50.000	51.340	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.161	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.986	-4.0	112	0.00
94	T	Hexachlorobutadiene	50.000	52.843	-5.7	113	0.00
95	T	Naphthalene	50.000	52.005	-4.0	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	50.539	-1.1	110	0.00

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

Raw Data: **VN086888.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2235 SAS No.: Q2235 SDG No.: Q2235

Instrument ID: MSVOA_N Calibration Date/Time: 06/09/2025 08:37

Lab File ID: VN086888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.635		-4.37	20
1,1-Dichloroethene	0.557	0.556		-0.18	20
2-Butanone	0.577	0.476		-17.5	20
Carbon Tetrachloride	0.433	0.431		-0.46	20
Chloroform	1.118	1.055		-5.64	20
Benzene	1.444	1.423		-1.45	20
1,2-Dichloroethane	0.438	0.420		-4.11	20
Trichloroethene	0.342	0.352		2.92	20
Tetrachloroethene	0.316	0.318		0.63	20
Chlorobenzene	1.103	1.140	0.3	3.35	20
1,2-Dichloroethane-d4	0.669	0.579		-13.45	20
Dibromofluoromethane	0.296	0.295		-0.34	20
Toluene-d8	1.173	1.125		-4.09	20
4-Bromofluorobenzene	0.436	0.405		-7.11	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\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	261450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	451735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151401	43.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.500%			
35) Dibromofluoromethane	8.171	113	133059	49.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.400%			
50) Toluene-d8	10.565	98	508186	47.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.900%			
62) 4-Bromofluorobenzene	12.847	95	183178	46.522	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	131431	50.418	ug/l	100
3) Chloromethane	2.395	50	142334	42.283	ug/l	100
4) Vinyl Chloride	2.553	62	165927	47.784	ug/l	100
5) Bromomethane	2.995	94	85311	43.902	ug/l	97
6) Chloroethane	3.153	64	108042	48.168	ug/l	97
7) Trichlorofluoromethane	3.530	101	219379	48.355	ug/l	98
8) Diethyl Ether	3.983	74	100884	51.036	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.394	101	136423	47.861	ug/l	98
10) Methyl Iodide	4.612	142	158675	42.943	ug/l	99
11) Tert butyl alcohol	5.536	59	189595	199.609	ug/l	100
12) 1,1-Dichloroethene	4.365	96	145286	49.926	ug/l	93
13) Acrolein	4.200	56	58499	194.571	ug/l	99
14) Allyl chloride	5.047	41	208266	43.154	ug/l	94
15) Acrylonitrile	5.730	53	500417	225.403	ug/l	99
16) Acetone	4.442	43	400746	215.878	ug/l	97
17) Carbon Disulfide	4.736	76	371521	46.155	ug/l	100
18) Methyl Acetate	5.041	43	233967	43.249	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	517229	49.089	ug/l	100
20) Methylene Chloride	5.300	84	161828	46.563	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	152734	47.175	ug/l	94
22) Diisopropyl ether	6.683	45	463864	45.597	ug/l	96
23) Vinyl Acetate	6.618	43	1964382	228.547	ug/l	97
24) 1,1-Dichloroethane	6.588	63	275601	47.076	ug/l	99
25) 2-Butanone	7.488	43	622664	206.354	ug/l	96
26) 2,2-Dichloropropane	7.500	77	242583	53.268	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	188349	48.643	ug/l	97
28) Bromochloromethane	7.824	49	118085	41.024	ug/l	89
29) Tetrahydrofuran	7.847	42	407833	207.479	ug/l	94
30) Chloroform	7.977	83	275806	47.175	ug/l	97
31) Cyclohexane	8.265	56	231271	40.735	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	228902	46.033	ug/l	96
36) 1,1-Dichloropropene	8.377	75	196210	49.186	ug/l	98
37) Ethyl Acetate	7.571	43	233388	45.959	ug/l	99
38) Carbon Tetrachloride	8.371	117	194527	49.670	ug/l	99
39) Methylcyclohexane	9.606	83	243701	44.591	ug/l	95
40) Benzene	8.612	78	642732	49.272	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	127571	44.731	ug/l		93
42) 1,2-Dichloroethane	8.677	62	189921	48.002	ug/l		98
43) Isopropyl Acetate	8.694	43	373849	45.868	ug/l		96
44) Trichloroethene	9.353	130	159166	51.458	ug/l		98
45) 1,2-Dichloropropane	9.624	63	156517	49.319	ug/l		99
46) Dibromomethane	9.712	93	109794	52.086	ug/l		96
47) Bromodichloromethane	9.888	83	216561	49.933	ug/l		99
48) Methyl methacrylate	9.682	41	170025	45.323	ug/l		95
49) 1,4-Dioxane	9.700	88	61836	906.076	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	1145420	233.442	ug/l		96
52) Toluene	10.629	92	396562	49.745	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	252866	52.141	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	269095	51.859	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	153943	50.186	ug/l		99
56) Ethyl methacrylate	10.876	69	265661	54.375	ug/l		92
57) 1,3-Dichloropropane	11.165	76	265229	49.844	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	673133	230.994	ug/l		96
59) 2-Hexanone	11.200	43	772443	244.401	ug/l		96
60) Dibromochloromethane	11.359	129	169362	52.993	ug/l		99
61) 1,2-Dibromoethane	11.470	107	160398	51.016	ug/l		100
64) Tetrachloroethene	11.106	164	121144	50.252	ug/l		95
65) Chlorobenzene	11.888	112	434126	51.673	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	142266	52.679	ug/l		99
67) Ethyl Benzene	11.965	91	716652	49.523	ug/l		100
68) m/p-Xylenes	12.070	106	565069	102.006	ug/l		97
69) o-Xylene	12.394	106	274597	51.757	ug/l		96
70) Styrene	12.412	104	475772	52.406	ug/l		99
71) Bromoform	12.576	173	114286	57.115	ug/l	#	99
73) Isopropylbenzene	12.694	105	664595	51.104	ug/l		99
74) N-amyl acetate	12.506	43	251426	55.326	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	234561	53.240	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	198486m	46.776	ug/l		
77) Bromobenzene	12.982	156	168142	56.377	ug/l		94
78) n-propylbenzene	13.035	91	787597	49.835	ug/l		98
79) 2-Chlorotoluene	13.123	91	476012	50.223	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	544603	50.722	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	106090	57.553	ug/l		89
82) 4-Chlorotoluene	13.217	91	488581	50.946	ug/l		98
83) tert-Butylbenzene	13.435	119	499574	50.830	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	553058	51.368	ug/l		100
85) sec-Butylbenzene	13.612	105	691815	48.470	ug/l		99
86) p-Isopropyltoluene	13.729	119	588262	49.859	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	306195	52.181	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	313266	52.364	ug/l		99
89) n-Butylbenzene	14.053	91	525720	46.003	ug/l		98
90) Hexachloroethane	14.329	117	98638	49.322	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	294253	52.195	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	49360	46.847	ug/l		87
93) 1,2,4-Trichlorobenzene	15.388	180	175725	48.814	ug/l		99
94) Hexachlorobutadiene	15.500	225	57205	42.652	ug/l		98
95) Naphthalene	15.635	128	668022	49.854	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	167447	46.816	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

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

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

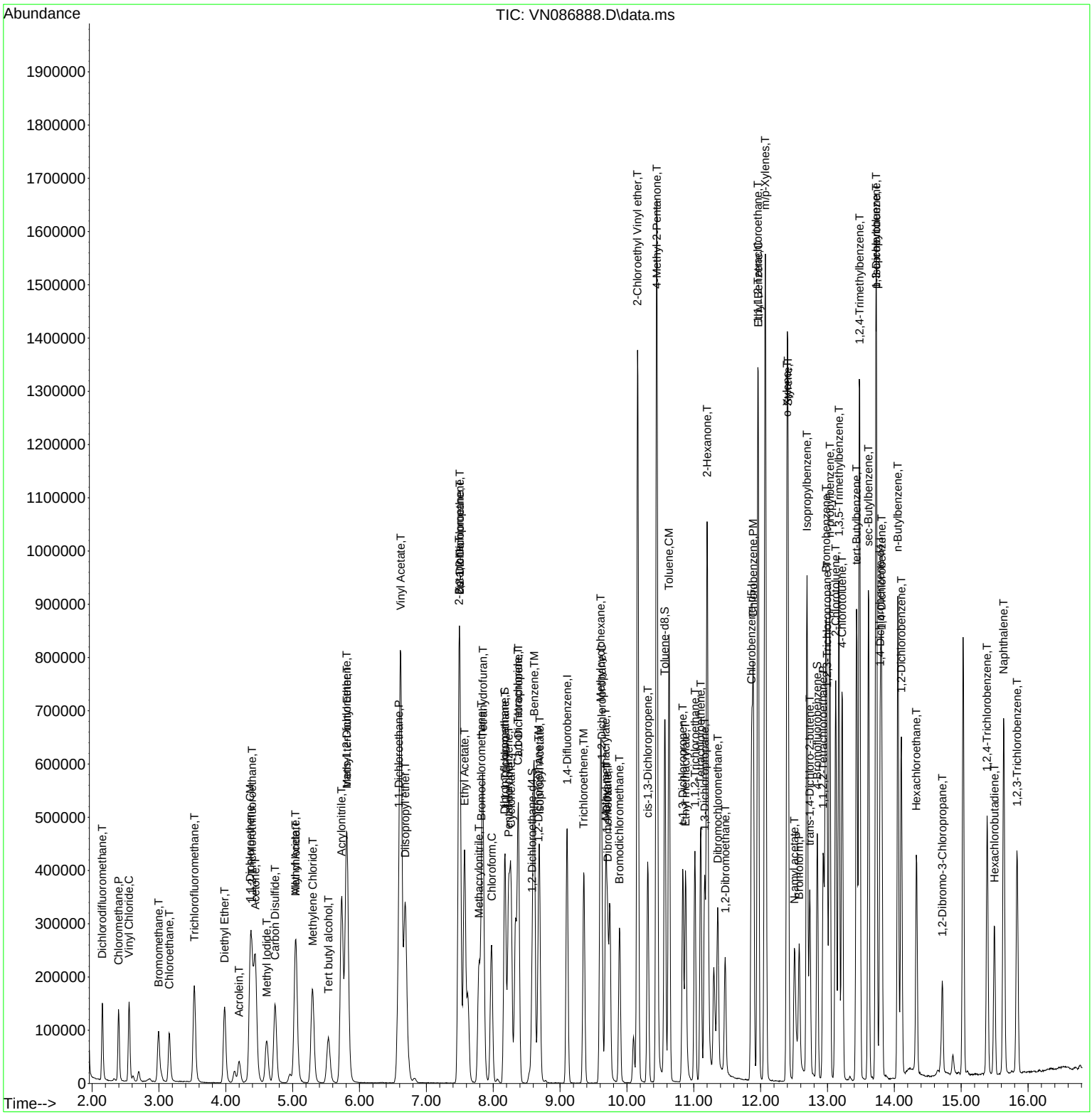
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



Sample Results: **VN086888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	126	0.00
2	T	Dichlorodifluoromethane	0.499	0.503	-0.8	126	0.00
3	P	Chloromethane	0.644	0.544	15.5	115	0.00
4	C	Vinyl Chloride	0.664	0.635	4.4#	125	0.00
5	T	Bromomethane	0.372	0.326	12.4	115	0.00
6	T	Chloroethane	0.429	0.413	3.7	128	0.00
7	T	Trichlorofluoromethane	0.868	0.839	3.3	127	0.00
8	T	Diethyl Ether	0.378	0.386	-2.1	134	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.522	4.2	127	0.00
10	T	Methyl Iodide	0.707	0.607	14.1	112	0.00
11	T	Tert butyl alcohol	0.182	0.145	20.3	104	-0.01
12	CM	1,1-Dichloroethene	0.557	0.556	0.2#	131	0.00
13	T	Acrolein	0.057	0.045	21.1	124	0.00
14	T	Allyl chloride	0.923	0.797	13.7	116	0.00
15	T	Acrylonitrile	0.425	0.383	9.9	119	-0.01
16	T	Acetone	0.355	0.307	13.5	120	0.00
17	T	Carbon Disulfide	1.539	1.421	7.7	126	0.00
18	T	Methyl Acetate	1.035	0.895	13.5	114	0.00
19	T	Methyl tert-butyl Ether	2.015	1.978	1.8	129	0.00
20	T	Methylene Chloride	0.665	0.619	6.9	129	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.584	5.7	130	0.00
22	T	Diisopropyl ether	1.945	1.774	8.8	121	0.00
23	T	Vinyl Acetate	1.644	1.503	8.6	119	0.00
24	P	1,1-Dichloroethane	1.120	1.054	5.9	125	0.00
25	T	2-Butanone	0.577	0.476	17.5	109	0.00
26	T	2,2-Dichloropropane	0.871	0.928	-6.5	129	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.720	2.7	130	0.00
28	T	Bromochloromethane	0.550	0.452	17.8	122	0.00
29	T	Tetrahydrofuran	0.376	0.312	17.0	110	0.00
30	C	Chloroform	1.118	1.055	5.6#	125	0.00
31	T	Cyclohexane	1.086	0.885	18.5	111	0.00
32	T	1,1,1-Trichloroethane	0.951	0.876	7.9	123	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.579	13.5	146	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	119	0.00
35	S	Dibromofluoromethane	0.296	0.295	0.3	160#	0.00
36	T	1,1-Dichloropropene	0.442	0.434	1.8	124	0.00
37	T	Ethyl Acetate	0.562	0.517	8.0	115	0.00
38	T	Carbon Tetrachloride	0.433	0.431	0.5	126	0.00
39	T	Methylcyclohexane	0.605	0.539	10.9	113	0.00
40	TM	Benzene	1.444	1.423	1.5	126	0.00
41	T	Methacrylonitrile	0.316	0.282	10.8	111	0.00
42	TM	1,2-Dichloroethane	0.438	0.420	4.1	122	0.00
43	T	Isopropyl Acetate	0.902	0.828	8.2	116	0.00
44	TM	Trichloroethene	0.342	0.352	-2.9	129	0.00
45	C	1,2-Dichloropropane	0.351	0.346	1.4#	125	0.00
46	T	Dibromomethane	0.233	0.243	-4.3	131	0.00
47	T	Bromodichloromethane	0.480	0.479	0.2	125	0.00
48	T	Methyl methacrylate	0.415	0.376	9.4	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	0.008	0.007	12.5	105	0.00
50	S	Toluene-d8	1.173	1.125	4.1	156#	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.507	6.6	113	0.00
52	CM	Toluene	0.882	0.878	0.5#	125	0.00
53	T	t-1,3-Dichloropropene	0.537	0.560	-4.3	128	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.596	-3.8	129	0.00
55	T	1,1,2-Trichloroethane	0.340	0.341	-0.3	126	0.00
56	T	Ethyl methacrylate	0.541	0.588	-8.7	126	0.00
57	T	1,3-Dichloropropane	0.589	0.587	0.3	125	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.298	7.7	130	0.00
59	T	2-Hexanone	0.350	0.342	2.3	111	0.00
60	T	Dibromochloromethane	0.354	0.375	-5.9	132	0.00
61	T	1,2-Dibromoethane	0.348	0.355	-2.0	129	0.00
62	S	4-Bromofluorobenzene	0.436	0.405	7.1	149	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	114	0.00
64	T	Tetrachloroethene	0.316	0.318	-0.6	124	0.00
65	PM	Chlorobenzene	1.103	1.140	-3.4	128	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.373	-5.4	127	0.00
67	C	Ethyl Benzene	1.899	1.881	0.9#	120	0.00
68	T	m/p-Xylenes	0.727	0.742	-2.1	121	0.00
69	T	o-Xylene	0.696	0.721	-3.6	122	0.00
70	T	Styrene	1.192	1.249	-4.8	123	0.00
71	P	Bromoform	0.263	0.300	-14.1	130	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.643	3.723	-2.2	116	0.00
74	T	N-amyl acetate	1.273	1.408	-10.6	119	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.314	-6.5	119	0.00
76	T	1,2,3-Trichloropropane	1.189	1.112	6.5	101	0.00
77	T	Bromobenzene	0.835	0.942	-12.8	127	0.00
78	T	n-propylbenzene	4.427	4.412	0.3	112	0.00
79	T	2-Chlorotoluene	2.655	2.667	-0.5	113	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.051	-1.5	112	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.594	-15.1	133	0.00
82	T	4-Chlorotoluene	2.686	2.737	-1.9	115	0.00
83	T	tert-Butylbenzene	2.753	2.799	-1.7	114	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.098	-2.7	113	0.00
85	T	sec-Butylbenzene	3.998	3.875	3.1	108	0.00
86	T	p-Isopropyltoluene	3.305	3.295	0.3	110	0.00
87	T	1,3-Dichlorobenzene	1.644	1.715	-4.3	118	0.00
88	T	1,4-Dichlorobenzene	1.676	1.755	-4.7	119	0.00
89	T	n-Butylbenzene	3.201	2.945	8.0	103	0.00
90	T	Hexachloroethane	0.560	0.553	1.3	110	0.00
91	T	1,2-Dichlorobenzene	1.579	1.648	-4.4	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.277	6.1	108	0.00
93	T	1,2,4-Trichlorobenzene	1.008	0.984	2.4	108	0.00
94	T	Hexachlorobutadiene	0.376	0.320	14.9	94	0.00
95	T	Naphthalene	3.753	3.742	0.3	111	0.00

Sample Results: **VN086888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	1.002	0.938	6.4	105	0.00

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

Sample Results: **VN086888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	126	0.00
2	T	Dichlorodifluoromethane	50.000	50.418	-0.8	126	0.00
3	P	Chloromethane	50.000	42.283	15.4	115	0.00
4	C	Vinyl Chloride	50.000	47.784	4.4#	125	0.00
5	T	Bromomethane	50.000	43.902	12.2	115	0.00
6	T	Chloroethane	50.000	48.168	3.7	128	0.00
7	T	Trichlorofluoromethane	50.000	48.355	3.3	127	0.00
8	T	Diethyl Ether	50.000	51.036	-2.1	134	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.861	4.3	127	0.00
10	T	Methyl Iodide	50.000	42.943	14.1	112	0.00
11	T	Tert butyl alcohol	250.000	199.609	20.2	104	-0.01
12	CM	1,1-Dichloroethene	50.000	49.926	0.1#	131	0.00
13	T	Acrolein	250.000	194.571	22.2	124	0.00
14	T	Allyl chloride	50.000	43.154	13.7	116	0.00
15	T	Acrylonitrile	250.000	225.403	9.8	119	-0.01
16	T	Acetone	250.000	215.878	13.6	120	0.00
17	T	Carbon Disulfide	50.000	46.155	7.7	126	0.00
18	T	Methyl Acetate	50.000	43.249	13.5	114	0.00
19	T	Methyl tert-butyl Ether	50.000	49.089	1.8	129	0.00
20	T	Methylene Chloride	50.000	46.563	6.9	129	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.175	5.7	130	0.00
22	T	Diisopropyl ether	50.000	45.597	8.8	121	0.00
23	T	Vinyl Acetate	250.000	228.547	8.6	119	0.00
24	P	1,1-Dichloroethane	50.000	47.076	5.8	125	0.00
25	T	2-Butanone	250.000	206.354	17.5	109	0.00
26	T	2,2-Dichloropropane	50.000	53.268	-6.5	129	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.643	2.7	130	0.00
28	T	Bromochloromethane	50.000	41.024	18.0	122	0.00
29	T	Tetrahydrofuran	250.000	207.479	17.0	110	0.00
30	C	Chloroform	50.000	47.175	5.7#	125	0.00
31	T	Cyclohexane	50.000	40.735	18.5	111	0.00
32	T	1,1,1-Trichloroethane	50.000	46.033	7.9	123	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.251	13.5	146	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	119	0.00
35	S	Dibromofluoromethane	50.000	49.703	0.6	160	0.00
36	T	1,1-Dichloropropene	50.000	49.186	1.6	124	0.00
37	T	Ethyl Acetate	50.000	45.959	8.1	115	0.00
38	T	Carbon Tetrachloride	50.000	49.670	0.7	126	0.00
39	T	Methylcyclohexane	50.000	44.591	10.8	113	0.00
40	TM	Benzene	50.000	49.272	1.5	126	0.00
41	T	Methacrylonitrile	50.000	44.731	10.5	111	0.00
42	TM	1,2-Dichloroethane	50.000	48.002	4.0	122	0.00
43	T	Isopropyl Acetate	50.000	45.868	8.3	116	0.00
44	TM	Trichloroethene	50.000	51.458	-2.9	129	0.00
45	C	1,2-Dichloropropane	50.000	49.319	1.4#	125	0.00
46	T	Dibromomethane	50.000	52.086	-4.2	131	0.00
47	T	Bromodichloromethane	50.000	49.933	0.1	125	0.00
48	T	Methyl methacrylate	50.000	45.323	9.4	114	0.00

Sample Results: **VN086888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	906.076	9.4	105	0.00
50	S	Toluene-d8	50.000	47.952	4.1	156	0.00
51	T	4-Methyl-2-Pentanone	250.000	233.442	6.6	113	0.00
52	CM	Toluene	50.000	49.745	0.5#	125	0.00
53	T	t-1,3-Dichloropropene	50.000	52.141	-4.3	128	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.859	-3.7	129	0.00
55	T	1,1,2-Trichloroethane	50.000	50.186	-0.4	126	0.00
56	T	Ethyl methacrylate	50.000	54.375	-8.8	126	0.00
57	T	1,3-Dichloropropane	50.000	49.844	0.3	125	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	230.994	7.6	130	0.00
59	T	2-Hexanone	250.000	244.401	2.2	111	0.00
60	T	Dibromochloromethane	50.000	52.993	-6.0	132	0.00
61	T	1,2-Dibromoethane	50.000	51.016	-2.0	129	0.00
62	S	4-Bromofluorobenzene	50.000	46.522	7.0	149	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	114	0.00
64	T	Tetrachloroethene	50.000	50.252	-0.5	124	0.00
65	PM	Chlorobenzene	50.000	51.673	-3.3	128	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.679	-5.4	127	0.00
67	C	Ethyl Benzene	50.000	49.523	1.0#	120	0.00
68	T	m/p-Xylenes	100.000	102.006	-2.0	121	0.00
69	T	o-Xylene	50.000	51.757	-3.5	122	0.00
70	T	Styrene	50.000	52.406	-4.8	123	0.00
71	P	Bromoform	50.000	57.115	-14.2	130	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	51.104	-2.2	116	0.00
74	T	N-amyl acetate	50.000	55.326	-10.7	119	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.240	-6.5	119	0.00
76	T	1,2,3-Trichloropropane	50.000	46.776	6.4	101	0.00
77	T	Bromobenzene	50.000	56.377	-12.8	127	0.00
78	T	n-propylbenzene	50.000	49.835	0.3	112	0.00
79	T	2-Chlorotoluene	50.000	50.223	-0.4	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.722	-1.4	112	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.553	-15.1	133	0.00
82	T	4-Chlorotoluene	50.000	50.946	-1.9	115	0.00
83	T	tert-Butylbenzene	50.000	50.830	-1.7	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.368	-2.7	113	0.00
85	T	sec-Butylbenzene	50.000	48.470	3.1	108	0.00
86	T	p-Isopropyltoluene	50.000	49.859	0.3	110	0.00
87	T	1,3-Dichlorobenzene	50.000	52.181	-4.4	118	0.00
88	T	1,4-Dichlorobenzene	50.000	52.364	-4.7	119	0.00
89	T	n-Butylbenzene	50.000	46.003	8.0	103	0.00
90	T	Hexachloroethane	50.000	49.322	1.4	110	0.00
91	T	1,2-Dichlorobenzene	50.000	52.195	-4.4	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.847	6.3	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.814	2.4	108	0.00
94	T	Hexachlorobutadiene	50.000	42.652	14.7	94	0.00
95	T	Naphthalene	50.000	49.854	0.3	111	0.00

Sample Results: **VN086888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	46.816	6.4	105	0.00

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

QC SAMPLE DATA

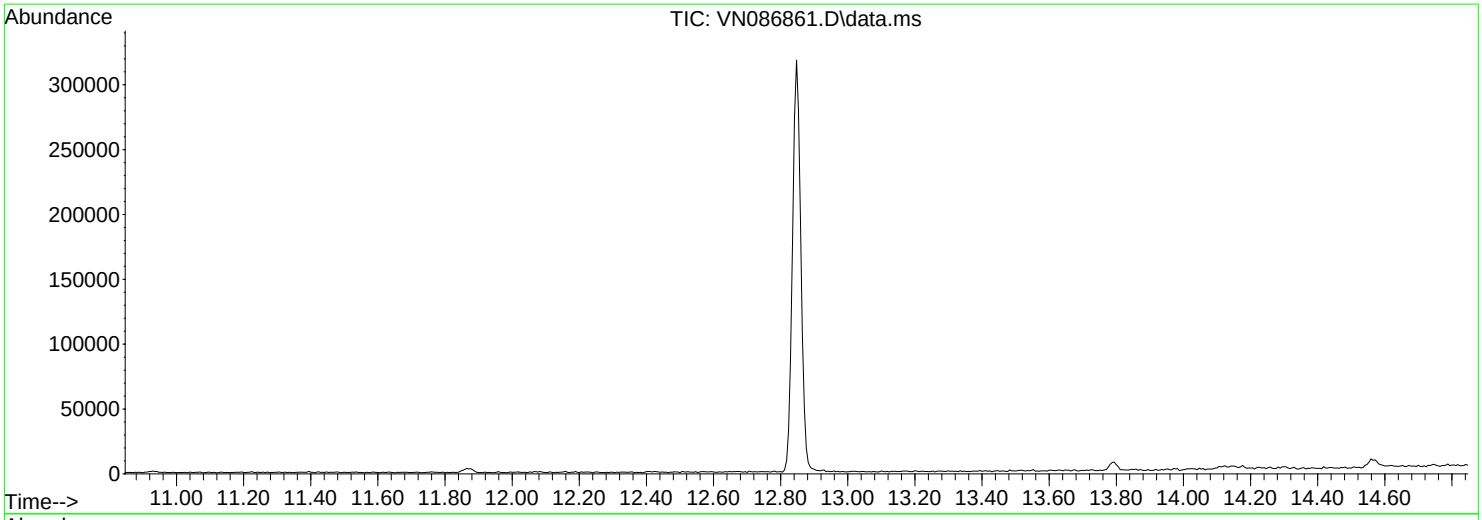
Sample Results: **VN086861.D**

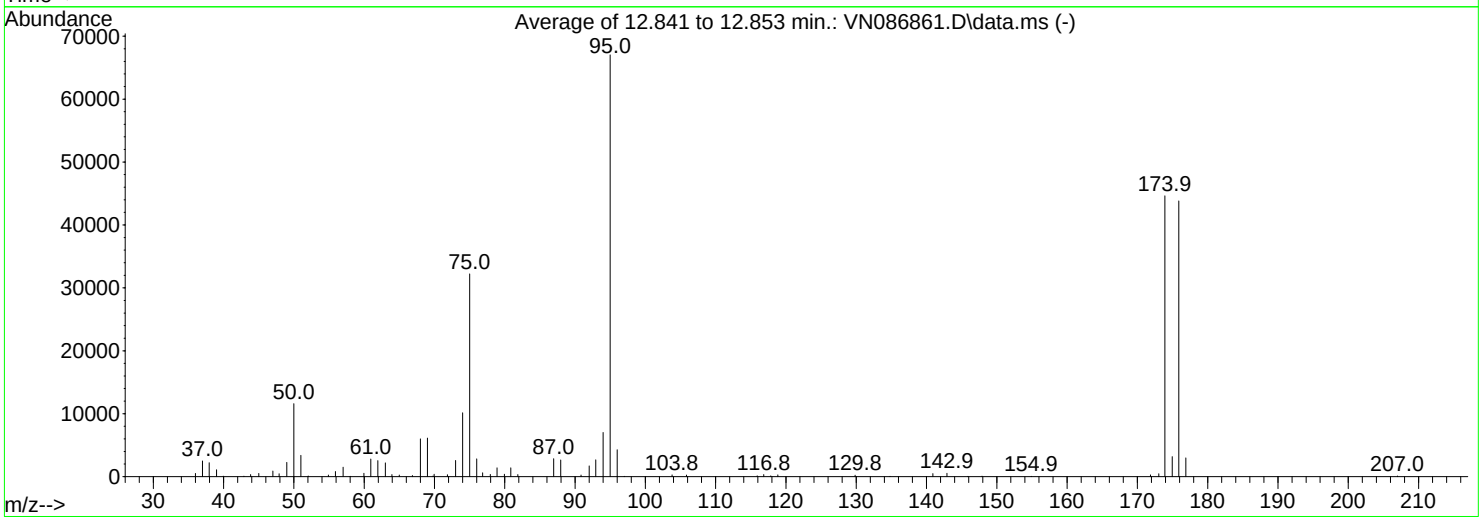
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086861.D
Acq On : 06 Jun 2025 07:59
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 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	17.3	11610	PASS
75	95	30	60	48.1	32235	PASS
95	95	100	100	100.0	67037	PASS
96	95	5	9	6.4	4284	PASS
173	174	0.00	2	1.0	453	PASS
174	95	50	100	66.6	44632	PASS
175	174	5	9	7.1	3184	PASS
176	174	95	101	98.1	43805	PASS
177	176	5	9	6.8	2979	PASS

Average of 12.841 to 12.853 min.: VN086861.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	508	50.00	11610	63.95	331	76.00	281
37.00	2495	51.00	3387	65.00	260	76.85	60
37.95	2209	52.05	112	66.85	177	77.95	34
39.00	1096	54.90	253	68.00	6008	78.90	141
39.95	84	55.90	806	69.00	6141	79.95	395
42.90	88	57.00	1501	69.80	100	80.85	1397
43.85	329	58.00	50	69.95	383	81.85	328
45.00	512	59.95	526	71.85	297	86.95	2851
47.00	882	60.95	2806	73.00	2562	87.95	2646
47.90	460	61.95	2535	74.00	10138	90.85	264
49.00	2276	63.00	2195	75.00	32235	92.00	1704

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086861.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	2660	129.85	228	175.90	43805		
94.00	7029	134.80	66	176.90	2979		
95.00	67037	140.90	488	207.00	111		
96.00	4284	142.90	542				
97.00	57	145.90	54				
103.80	279	147.90	82				
105.85	267	154.90	64				
115.90	128	171.85	288				
116.85	345	173.05	453				
117.85	116	173.90	44632				
118.85	274	174.95	3184				

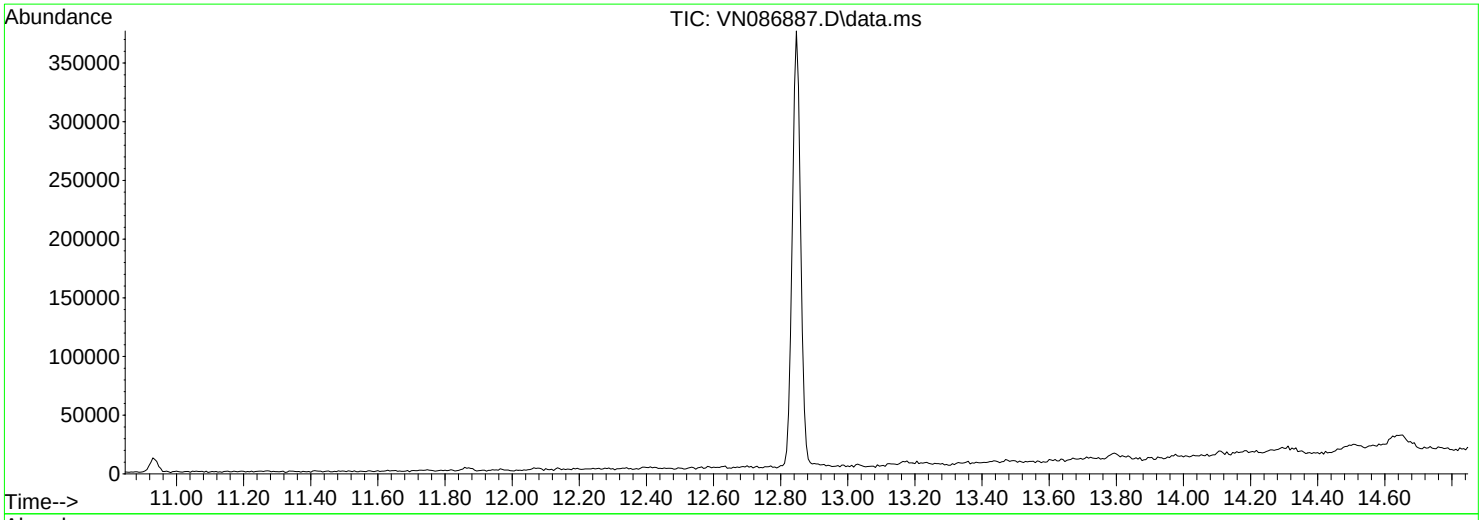
Sample Results: **VN086887.D**

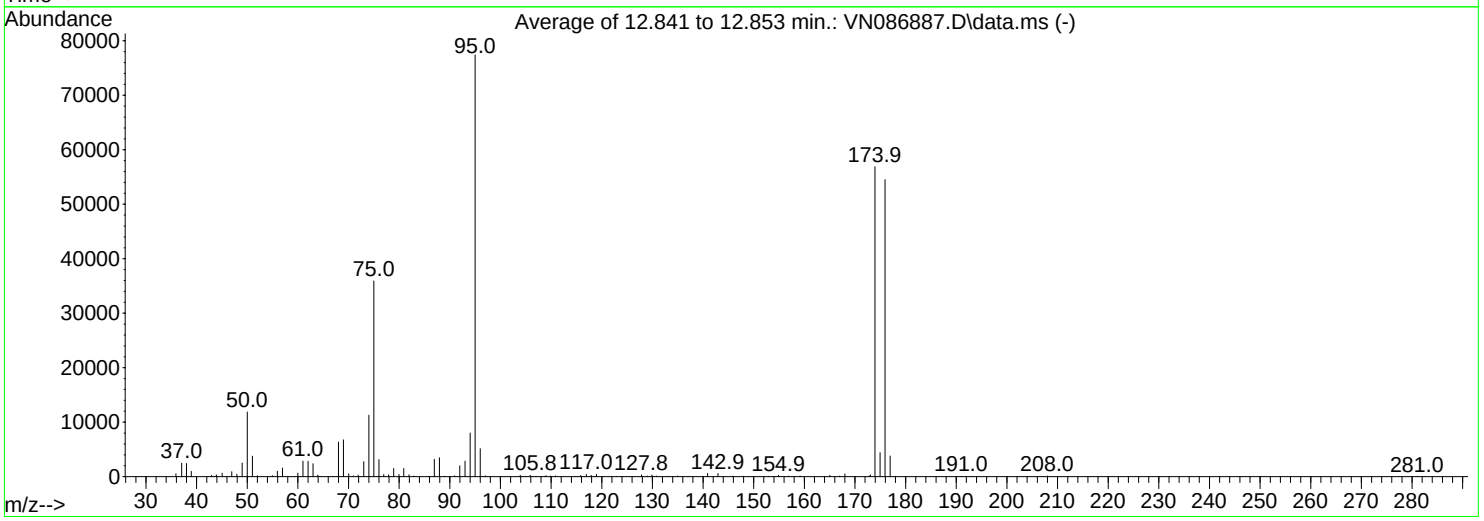
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086887.D
Acq On : 09 Jun 2025 08:04
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	11871	PASS
75	95	30	60	46.4	35931	PASS
95	95	100	100	100.0	77415	PASS
96	95	5	9	6.6	5148	PASS
173	174	0.00	2	0.5	309	PASS
174	95	50	100	73.5	56888	PASS
175	174	5	9	7.8	4421	PASS
176	174	95	101	95.8	54509	PASS
177	176	5	9	6.9	3785	PASS

Average of 12.841 to 12.853 min.: VN086887.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	535	51.00	3760	68.00	6351	78.90	148
37.05	2466	52.00	191	69.00	6745	79.95	41
38.00	2416	54.95	172	70.05	506	80.90	149
38.95	974	55.95	1011	70.95	137	81.95	36
42.95	245	56.95	1580	71.90	302	82.90	114
43.90	314	60.00	650	73.00	2758	85.90	50
45.05	641	61.00	2856	74.00	11273	86.95	3209
46.95	922	62.00	2814	75.00	35931	87.95	3465
47.95	453	63.00	2376	76.00	3116	89.00	56
49.00	2498	63.95	306	76.95	390	90.95	172
50.00	11871	66.90	36	77.90	336	91.95	1998

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086887.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	2849	109.95	104	130.85	116	156.80	82
94.00	8007	110.85	138	133.00	54	159.15	111
95.00	77415	114.90	53	134.95	129	165.05	238
96.00	5148	115.85	200	137.00	64	167.00	127
97.00	150	116.95	418	140.90	576	168.00	497
103.90	272	117.90	243	142.95	587	172.80	158
104.90	66	118.95	408	145.90	124	173.05	309
105.85	261	123.00	58	147.90	102	173.95	56888
107.00	54	127.85	331	149.00	66	174.95	4421
108.80	60	129.00	116	153.00	58	175.95	54509
109.00	188	129.90	331	154.90	229	176.95	3785

Average of 12.841 to 12.853 min.: VN086887.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
178.00	62						
191.00	71						
193.00	59						
208.00	120						
281.00	51						

Raw Data: **VN086890.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0609WBL01	SDG No.:	Q2235
Lab Sample ID:	VN0609WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086890.D	1		06/09/25 09:33	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0010	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0010	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.8		70 (74) - 130 (125)	86%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	390000	8.229			
540-36-3	1,4-Difluorobenzene	685000	9.106			
3114-55-4	Chlorobenzene-d5	592000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	288000	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\VN060925\
Data File : VN086890.D
Acq On : 09 Jun 2025 09:33
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Quant Time: Jun 10 03:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

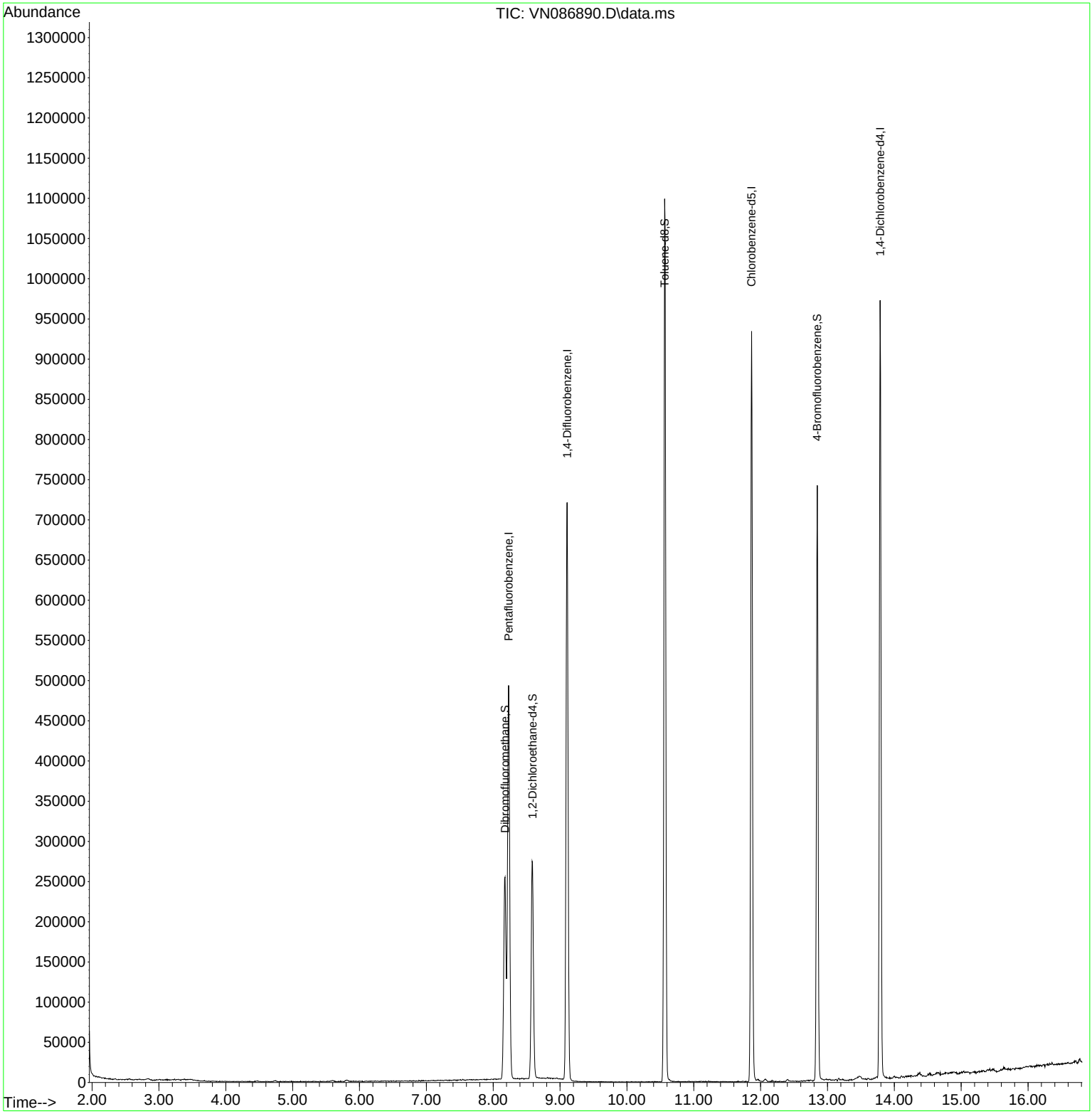
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	390256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	684606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	591728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	288224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	223703	42.813	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.620%			
35) Dibromofluoromethane	8.177	113	194994	48.062	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.120%			
50) Toluene-d8	10.565	98	814952	50.741	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.847	95	291875	48.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.820%			
Target Compounds						Qvalue

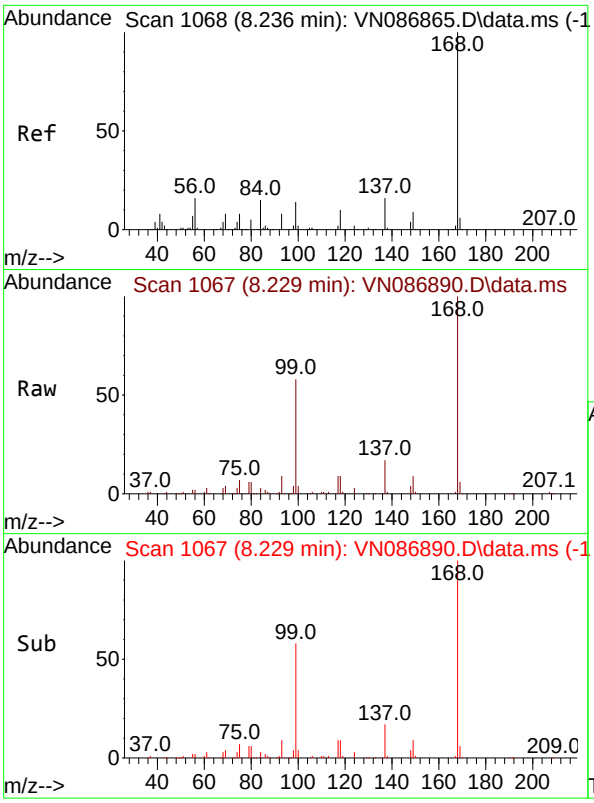
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086890.D
Acq On : 09 Jun 2025 09:33
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Quant Time: Jun 10 03:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



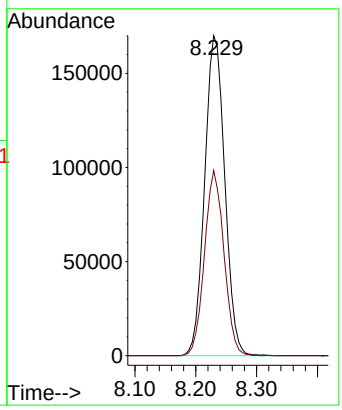


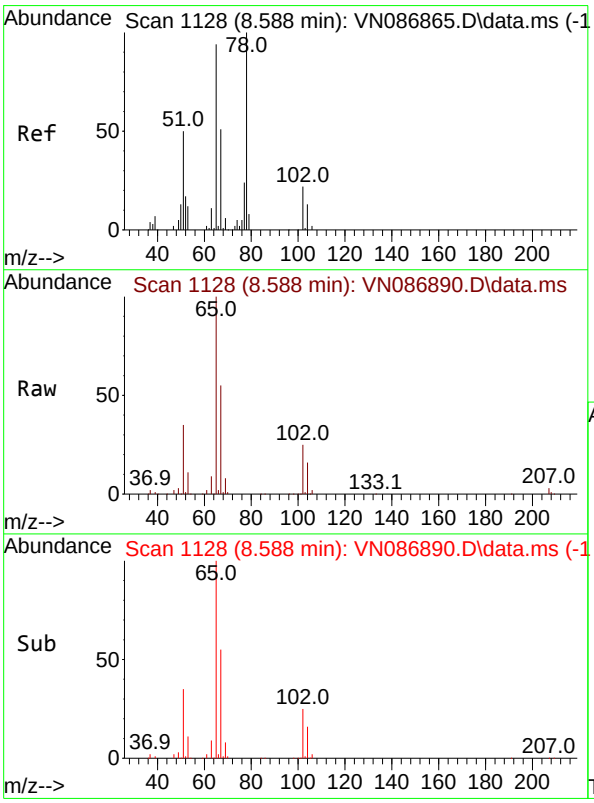
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion:168 Resp: 390256

Ion	Ratio	Lower	Upper
168	100		
99	57.8	49.1	73.7

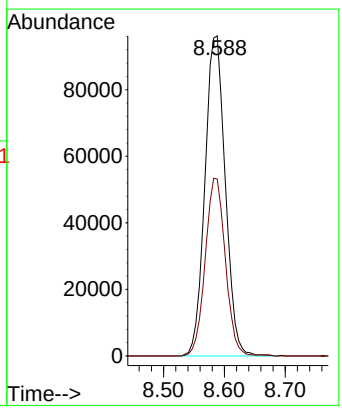


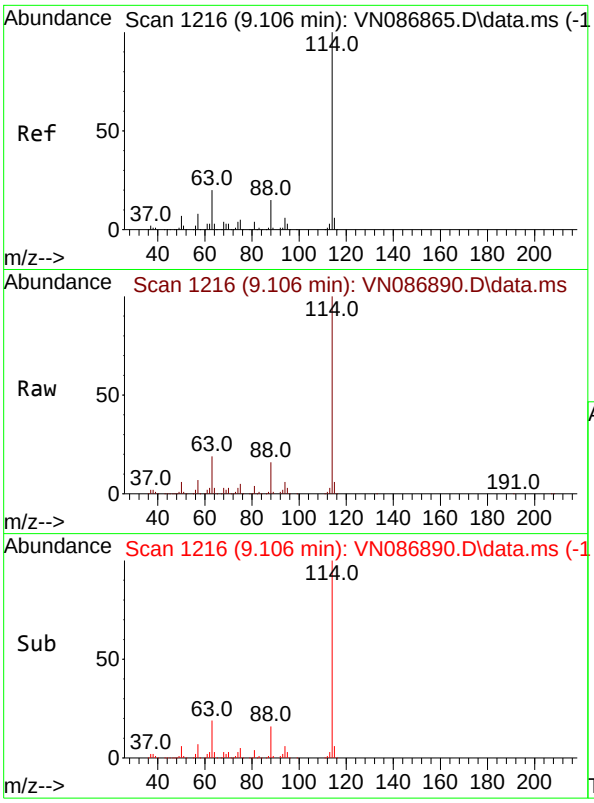


#33
1,2-Dichloroethane-d4
Concen: 42.813 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion: 65 Resp: 223703

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.6



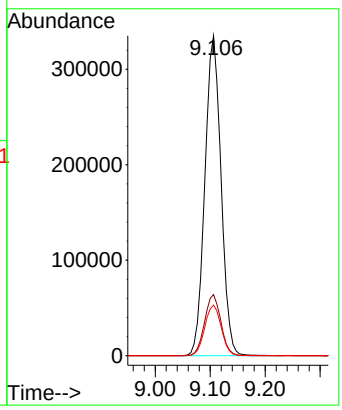


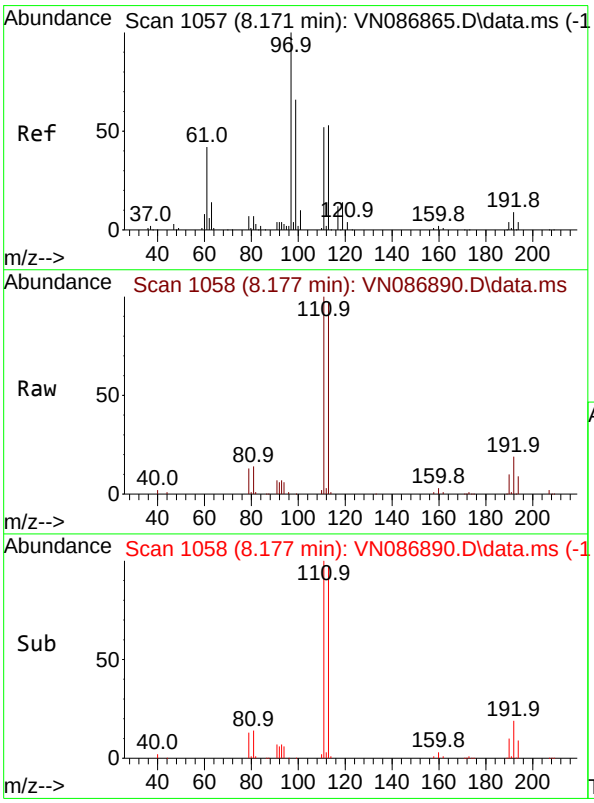
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion:114 Resp: 684606

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.8	0.0	30.2

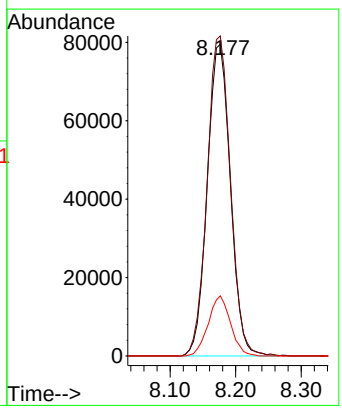


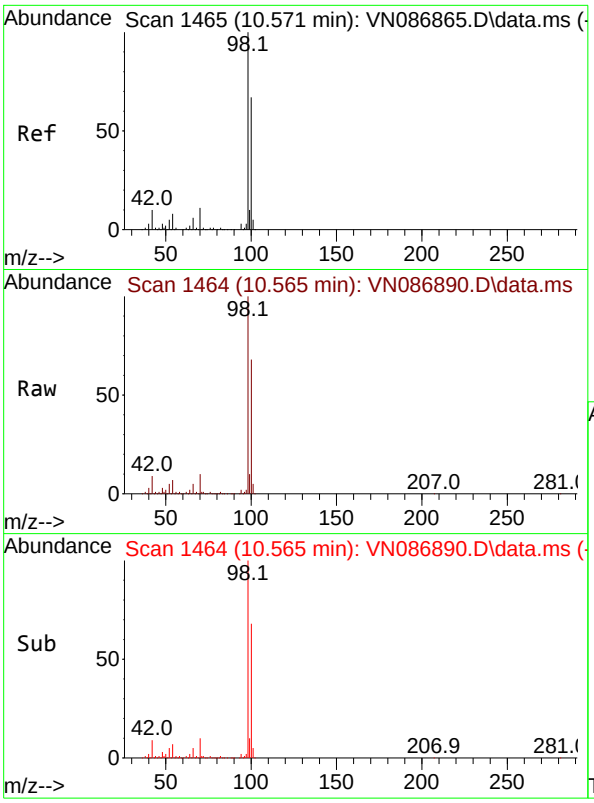


#35
Dibromofluoromethane
Concen: 48.062 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion:113 Resp: 194994

Ion	Ratio	Lower	Upper
113	100		
111	103.2	84.2	126.2
192	18.5	14.2	21.4



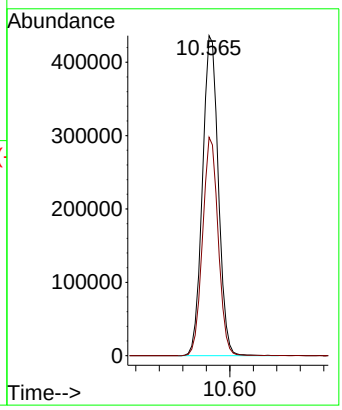


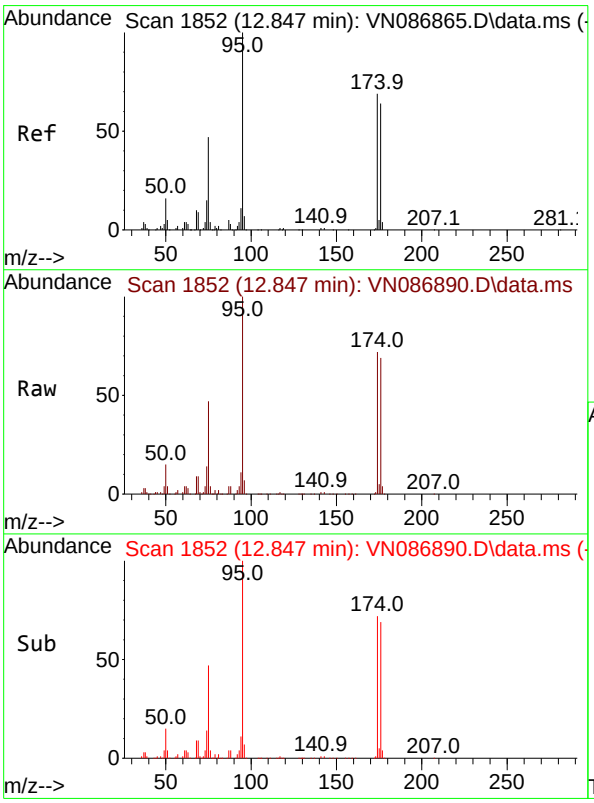
#50
Toluene-d8
Concen: 50.741 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion: 98 Resp: 814952

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.0

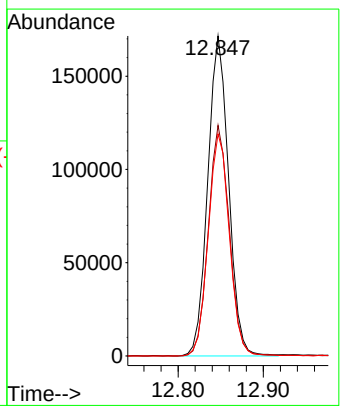


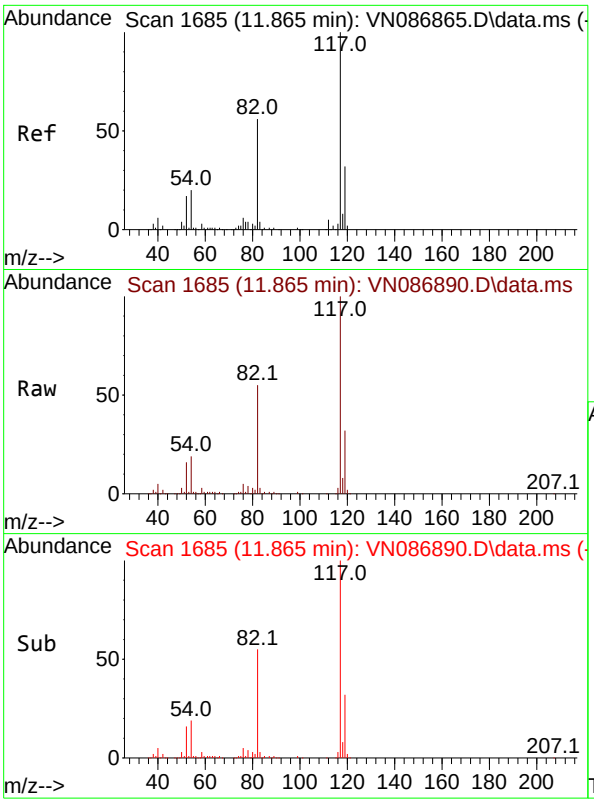


#62
4-Bromofluorobenzene
Concen: 48.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion: 95 Resp: 291875

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	141.8
176	70.2	0.0	132.6



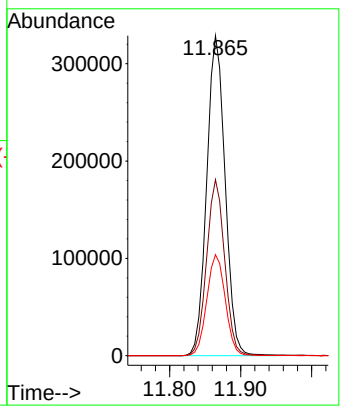


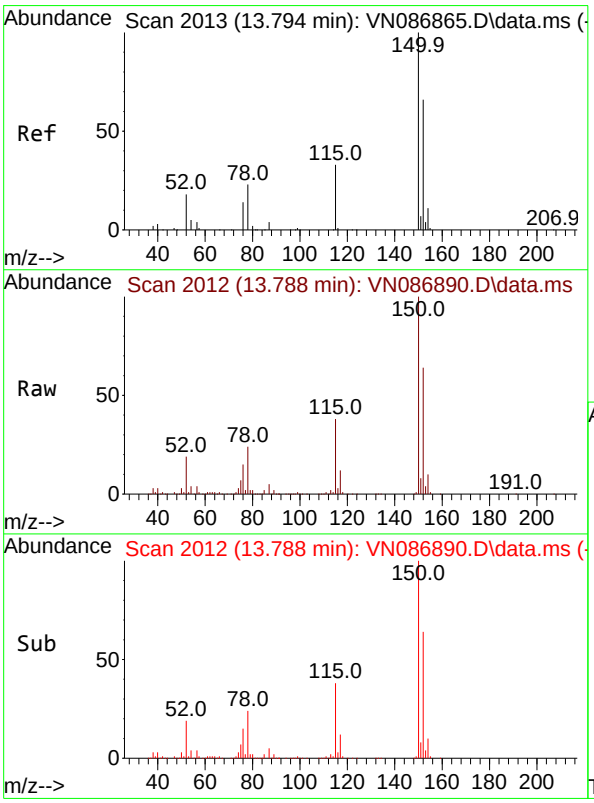
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion:117 Resp: 591728

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	31.6	25.5	38.3

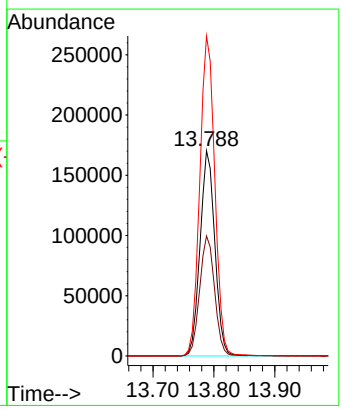




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion:152 Resp: 288224

Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.1	90.5
150	158.0	0.0	345.0



Raw Data: **VN086893.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0609WBS01	SDG No.:	Q2235
Lab Sample ID:	VN0609WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086893.D	1		06/09/25 10:50	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.018		0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.020		0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.10		0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.019		0.00025	0.0010	mg/L
67-66-3	Chloroform	0.020		0.00025	0.0010	mg/L
71-43-2	Benzene	0.020		0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.021		0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.021		0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.020		0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.021		0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	58.6		70 (75) - 130 (124)	117%	SPK: 50
2037-26-5	Toluene-d8	55.2		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	267000	8.23			
540-36-3	1,4-Difluorobenzene	481000	9.106			
3114-55-4	Chlorobenzene-d5	422000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	202000	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\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	266986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	481053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	422488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202389	56.618	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.240%			
35) Dibromofluoromethane	8.177	113	166951	58.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.120%			
50) Toluene-d8	10.565	98	622867	55.191	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.380%			
62) 4-Bromofluorobenzene	12.847	95	233615	55.716	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	51523	19.355	ug/l	100
3) Chloromethane	2.395	50	57302	16.670	ug/l	98
4) Vinyl Chloride	2.554	62	64913	18.306	ug/l	96
5) Bromomethane	2.995	94	41012	20.668	ug/l	100
6) Chloroethane	3.159	64	44644	19.491	ug/l	99
7) Trichlorofluoromethane	3.530	101	89135	19.239	ug/l	99
8) Diethyl Ether	3.983	74	46365	22.969	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	55767	19.159	ug/l	96
10) Methyl Iodide	4.612	142	67793	17.967	ug/l	95
11) Tert butyl alcohol	5.536	59	102670	105.851	ug/l	98
12) 1,1-Dichloroethene	4.365	96	59847	20.139	ug/l	93
13) Acrolein	4.200	56	29042	94.593	ug/l	99
14) Allyl chloride	5.048	41	88856	18.030	ug/l	97
15) Acrylonitrile	5.736	53	249150	109.898	ug/l	99
16) Acetone	4.448	43	186059	98.150	ug/l	99
17) Carbon Disulfide	4.736	76	147605	17.957	ug/l	99
18) Methyl Acetate	5.042	43	119428	21.619	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	246789	22.937	ug/l	99
20) Methylene Chloride	5.295	84	72770	20.504	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	64982	19.655	ug/l	93
22) Diisopropyl ether	6.683	45	213617	20.563	ug/l	97
23) Vinyl Acetate	6.618	43	935448	106.579	ug/l	97
24) 1,1-Dichloroethane	6.583	63	118296	19.787	ug/l	98
25) 2-Butanone	7.489	43	315151	102.277	ug/l	98
26) 2,2-Dichloropropane	7.500	77	97539	20.974	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	83955	21.233	ug/l	96
28) Bromochloromethane	7.824	49	63228	21.510	ug/l	91
29) Tetrahydrofuran	7.847	42	210156	104.697	ug/l	94
30) Chloroform	7.977	83	119528	20.020	ug/l	100
31) Cyclohexane	8.265	56	99106	17.094	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	98672	19.432	ug/l	93
36) 1,1-Dichloropropene	8.377	75	82550	19.433	ug/l	99
37) Ethyl Acetate	7.571	43	118150	21.848	ug/l	98
38) Carbon Tetrachloride	8.365	117	80592	19.324	ug/l	96
39) Methylcyclohexane	9.606	83	99387	17.077	ug/l	96
40) Benzene	8.612	78	281242	20.246	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	63106	20.779	ug/l		93
42) 1,2-Dichloroethane	8.677	62	89967	21.353	ug/l		98
43) Isopropyl Acetate	8.694	43	184375	21.243	ug/l		96
44) Trichloroethene	9.353	130	68709	20.860	ug/l		94
45) 1,2-Dichloropropane	9.624	63	70359	20.819	ug/l		97
46) Dibromomethane	9.712	93	50518	22.505	ug/l		97
47) Bromodichloromethane	9.888	83	97765	21.168	ug/l		94
48) Methyl methacrylate	9.682	41	82557	20.666	ug/l		94
49) 1,4-Dioxane	9.700	88	34752	478.183	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	573654	109.788	ug/l		97
52) Toluene	10.629	92	186254	21.940	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	116115	22.484	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	121569	22.000	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	74365	22.766	ug/l		95
56) Ethyl methacrylate	10.882	69	125687	24.158	ug/l		93
57) 1,3-Dichloropropane	11.165	76	125890	22.217	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	349023	112.472	ug/l		97
59) 2-Hexanone	11.200	43	368271	109.420	ug/l		91
60) Dibromochloromethane	11.359	129	77533	22.781	ug/l		100
61) 1,2-Dibromoethane	11.471	107	76919	22.974	ug/l		98
64) Tetrachloroethene	11.106	164	52176	19.514	ug/l		97
65) Chlorobenzene	11.888	112	195119	20.940	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	65205	21.769	ug/l		98
67) Ethyl Benzene	11.965	91	317590	19.787	ug/l		99
68) m/p-Xylenes	12.071	106	251284	40.899	ug/l		97
69) o-Xylene	12.394	106	122737	20.858	ug/l		99
70) Styrene	12.412	104	213765	21.229	ug/l		99
71) Bromoform	12.582	173	52554	23.680	ug/l	#	99
73) Isopropylbenzene	12.694	105	293400	19.921	ug/l		99
74) N-amyl acetate	12.523	43	117821	22.893	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	116789	23.407	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	82055m	17.075	ug/l		
77) Bromobenzene	12.976	156	76143	22.543	ug/l		100
78) n-propylbenzene	13.035	91	346865	19.379	ug/l		99
79) 2-Chlorotoluene	13.123	91	216311	20.152	ug/l		96
80) 1,3,5-Trimethylbenzene	13.171	105	244158	20.079	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	51065	24.461	ug/l		90
82) 4-Chlorotoluene	13.218	91	219687	20.227	ug/l		98
83) tert-Butylbenzene	13.435	119	221806	19.927	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	248941	20.416	ug/l		100
85) sec-Butylbenzene	13.612	105	303760	18.792	ug/l		99
86) p-Isopropyltoluene	13.729	119	259754	19.440	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	140762	21.181	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	143075	21.117	ug/l		100
89) n-Butylbenzene	14.053	91	235600	18.204	ug/l		99
90) Hexachloroethane	14.329	117	42184	18.625	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	136855	21.435	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26513	22.219	ug/l		90
93) 1,2,4-Trichlorobenzene	15.388	180	79356	19.464	ug/l		99
94) Hexachlorobutadiene	15.494	225	27017	17.787	ug/l		99
95) Naphthalene	15.635	128	327594	21.587	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	77458	19.122	ug/l		100

Sample Results: **VN086893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

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

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

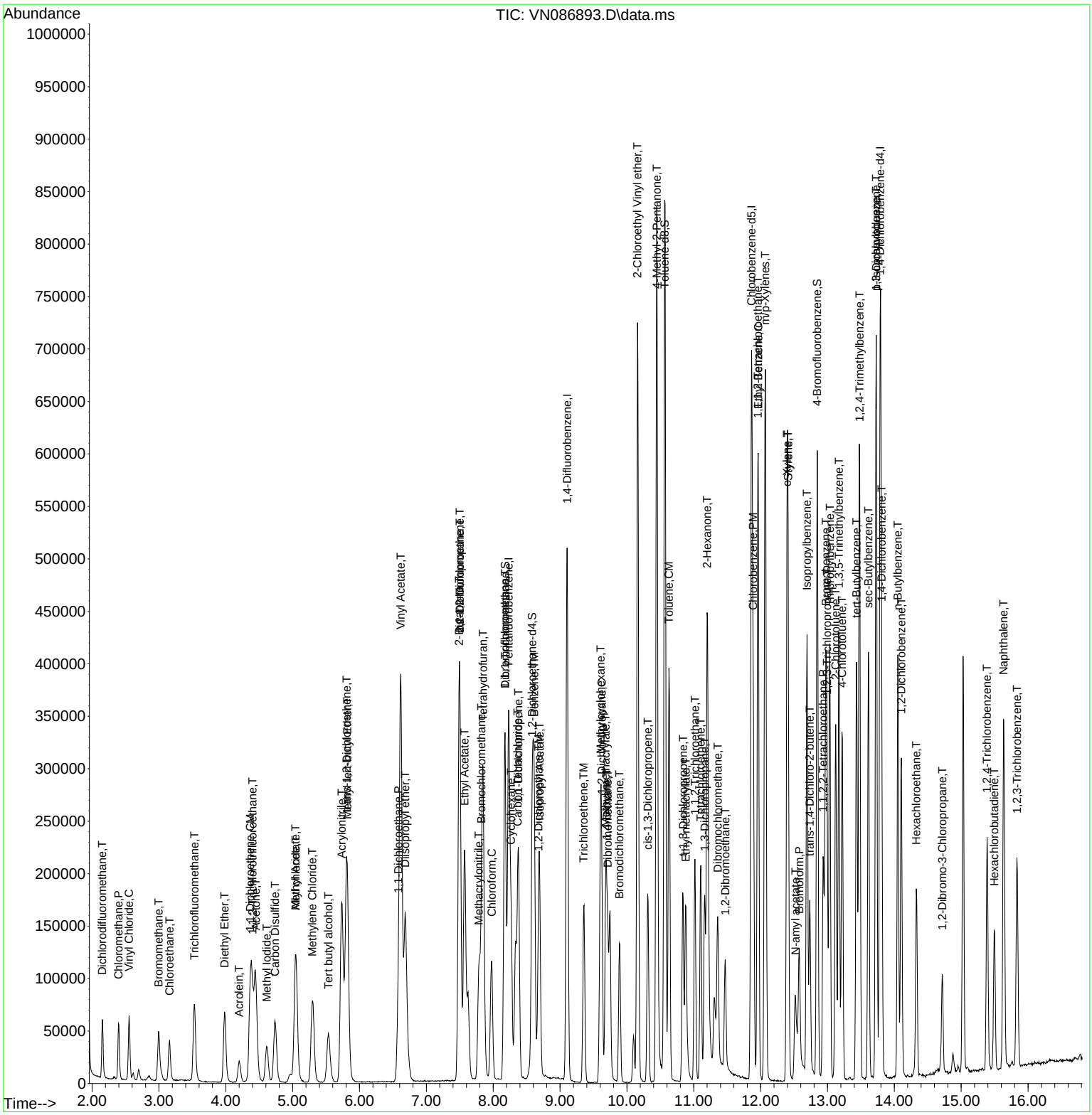
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



Raw Data: **VN086902.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0609WBSD01	SDG No.:	Q2235
Lab Sample ID:	VN0609WBSD01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086902.D	1		06/09/25 14:04	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.018		0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.020		0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.082		0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.019		0.00025	0.0010	mg/L
67-66-3	Chloroform	0.018		0.00025	0.0010	mg/L
71-43-2	Benzene	0.019		0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.019		0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.020		0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.019		0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.020		0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.4		70 (74) - 130 (125)	89%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	8.23			
540-36-3	1,4-Difluorobenzene	463000	9.106			
3114-55-4	Chlorobenzene-d5	392000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	183000	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\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	261604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	462540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	392287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	155677	44.446	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.900%			
35) Dibromofluoromethane	8.177	113	138371	50.480	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.960%			
50) Toluene-d8	10.565	98	523398	48.233	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.460%			
62) 4-Bromofluorobenzene	12.847	95	192426	47.729	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	49965	19.156	ug/l	97
3) Chloromethane	2.401	50	52285	15.523	ug/l	97
4) Vinyl Chloride	2.554	62	63164	18.179	ug/l	98
5) Bromomethane	3.001	94	33037	16.991	ug/l	97
6) Chloroethane	3.159	64	40895	18.222	ug/l	96
7) Trichlorofluoromethane	3.536	101	86708	19.101	ug/l	94
8) Diethyl Ether	3.983	74	39083	19.760	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.406	101	51965	18.220	ug/l	97
10) Methyl Iodide	4.618	142	46201	12.496	ug/l	99
11) Tert butyl alcohol	5.536	59	79160	83.292	ug/l	100
12) 1,1-Dichloroethene	4.365	96	56740	19.487	ug/l	93
13) Acrolein	4.206	56	25830	85.862	ug/l	96
14) Allyl chloride	5.048	41	79237	16.409	ug/l	95
15) Acrylonitrile	5.736	53	194819	87.701	ug/l	100
16) Acetone	4.448	43	142818	76.889	ug/l	98
17) Carbon Disulfide	4.742	76	140783	17.480	ug/l	98
18) Methyl Acetate	5.048	43	91360	16.878	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	202158	19.175	ug/l	99
20) Methylene Chloride	5.300	84	62323	17.922	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	60645	18.720	ug/l	92
22) Diisopropyl ether	6.683	45	179323	17.617	ug/l	94
23) Vinyl Acetate	6.618	43	758661	88.215	ug/l	97
24) 1,1-Dichloroethane	6.583	63	107933	18.425	ug/l	98
25) 2-Butanone	7.494	43	248457	82.292	ug/l	95
26) 2,2-Dichloropropane	7.500	77	85897	18.851	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	73368	18.937	ug/l	96
28) Bromochloromethane	7.824	49	47379	16.450	ug/l	87
29) Tetrahydrofuran	7.853	42	163380	83.068	ug/l	93
30) Chloroform	7.977	83	107556	18.386	ug/l	99
31) Cyclohexane	8.271	56	90403	15.914	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	92483	18.588	ug/l	93
36) 1,1-Dichloropropene	8.377	75	78110	19.123	ug/l	99
37) Ethyl Acetate	7.571	43	93294	17.942	ug/l	98
38) Carbon Tetrachloride	8.371	117	77600	19.351	ug/l	99
39) Methylcyclohexane	9.606	83	91033	16.268	ug/l	96
40) Benzene	8.612	78	254036	19.020	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.789	41	52205	17.877 ug/l	95
42) 1,2-Dichloroethane	8.677	62	75987	18.757 ug/l	98
43) Isopropyl Acetate	8.694	43	146007	17.495 ug/l	95
44) Trichloroethene	9.359	130	64635	20.408 ug/l	96
45) 1,2-Dichloropropane	9.624	63	60591	18.646 ug/l	100
46) Dibromomethane	9.712	93	43406	20.111 ug/l	96
47) Bromodichloromethane	9.894	83	85075	19.158 ug/l	100
48) Methyl methacrylate	9.682	41	66751	17.378 ug/l	96
49) 1,4-Dioxane	9.700	88	25844	369.843 ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	448816	89.334 ug/l	96
52) Toluene	10.630	92	161571	19.794 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	98270	19.790 ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	104098	19.593 ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	61721	19.651 ug/l	97
56) Ethyl methacrylate	10.882	69	100979	20.185 ug/l	93
57) 1,3-Dichloropropane	11.165	76	105036	19.278 ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	239383	80.228 ug/l	96
59) 2-Hexanone	11.206	43	279871	86.483 ug/l	91
60) Dibromochloromethane	11.359	129	66878	20.437 ug/l	99
61) 1,2-Dibromoethane	11.471	107	64475	20.028 ug/l	99
64) Tetrachloroethene	11.106	164	47676	19.204 ug/l	96
65) Chlorobenzene	11.894	112	175411	20.274 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	58317	20.968 ug/l	97
67) Ethyl Benzene	11.965	91	290096	19.466 ug/l	99
68) m/p-Xylenes	12.071	106	226281	39.665 ug/l	98
69) o-Xylene	12.394	106	109915	20.117 ug/l	97
70) Styrene	12.412	104	187888	20.096 ug/l	99
71) Bromoform	12.576	173	44372	21.533 ug/l #	100
73) Isopropylbenzene	12.694	105	266966	20.030 ug/l	99
74) N-amyl acetate	12.524	43	86229	18.514 ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.935	83	96951	21.472 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	94554m	21.742 ug/l	
77) Bromobenzene	12.982	156	67800	22.181 ug/l	93
78) n-propylbenzene	13.035	91	314811	19.436 ug/l	99
79) 2-Chlorotoluene	13.123	91	189034	19.460 ug/l	96
80) 1,3,5-Trimethylbenzene	13.171	105	220034	19.996 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	41191	21.803 ug/l	92
82) 4-Chlorotoluene	13.218	91	196983	20.042 ug/l	99
83) tert-Butylbenzene	13.435	119	192556	19.116 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	220449	19.978 ug/l	99
85) sec-Butylbenzene	13.612	105	274677	18.777 ug/l	98
86) p-Isopropyltoluene	13.729	119	231742	19.165 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	124137	20.642 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	126650	20.656 ug/l	100
89) n-Butylbenzene	14.053	91	207489	17.715 ug/l	98
90) Hexachloroethane	14.329	117	39127	19.090 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	121942	21.105 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21661	20.059 ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	70202	19.028 ug/l	100
94) Hexachlorobutadiene	15.500	225	24178	17.589 ug/l	96
95) Naphthalene	15.635	128	379545	27.638 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	65394	17.840 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

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

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

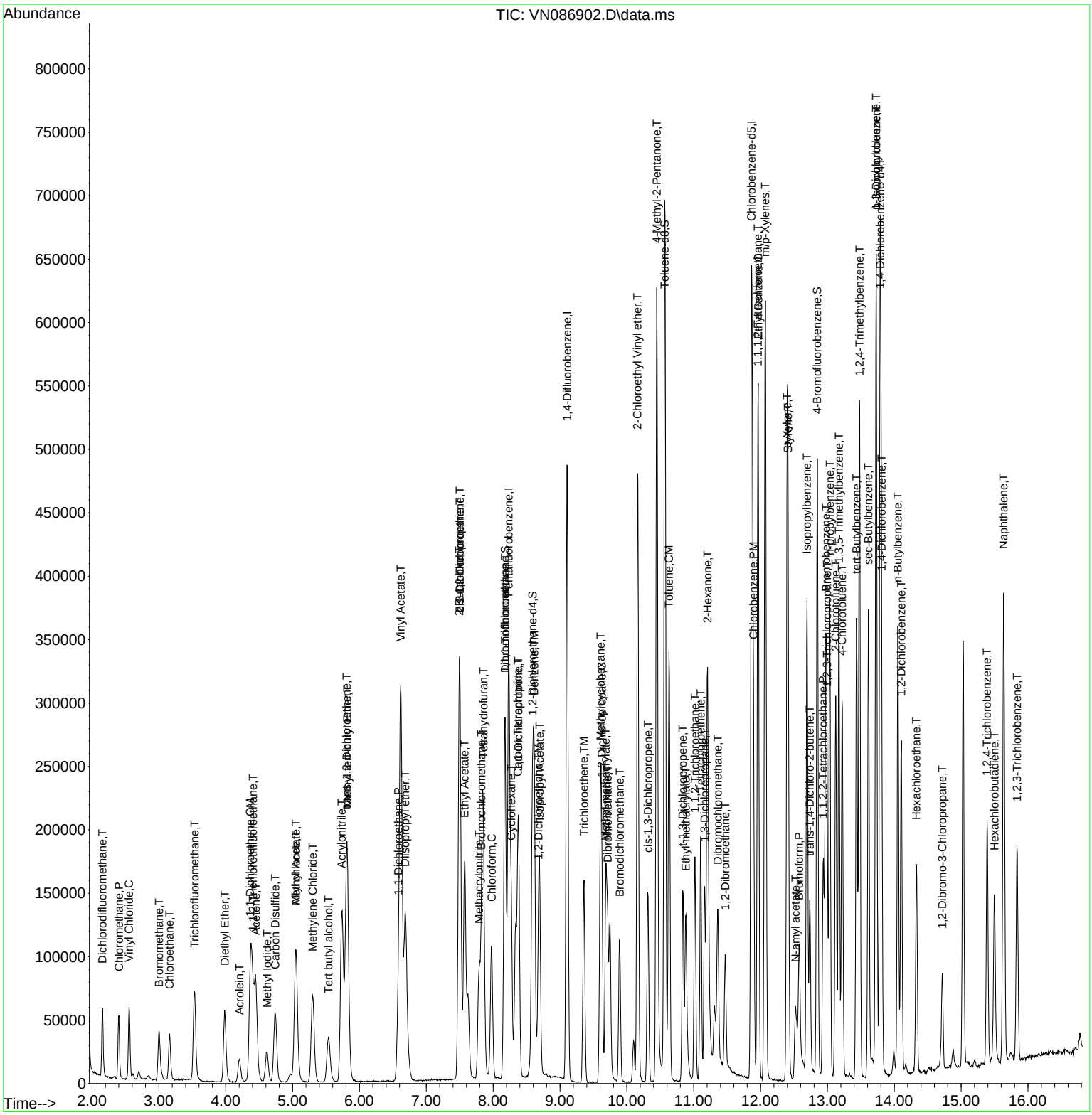
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



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

Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

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

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

Manual Integration Report

Sequence:	vn060925	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086888.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:00:41 AM	MMDadoda	6/10/2025 2:25:05 PM	Peak Integrated by Software
VN0609WBS01	VN086893.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:00:50 AM	MMDadoda	6/10/2025 2:25:08 PM	Peak Integrated by Software
VN0609WBSD01	VN086902.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:01:04 AM	MMDadoda	6/10/2025 2:25:12 PM	Peak Integrated by Software
VSTDCCC050	VN086911.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:03:16 AM	MMDadoda	6/10/2025 2:25:13 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDICC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDICC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDICC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDICCC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDICC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDICC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086887.D	09 Jun 2025 08:04	JC\MD	Ok
2	VSTDCCC050	VN086888.D	09 Jun 2025 08:37	JC\MD	Ok,M
3	VN0609MBL01	VN086889.D	09 Jun 2025 09:12	JC\MD	Ok
4	VN0609WBL01	VN086890.D	09 Jun 2025 09:33	JC\MD	Ok
5	VN0609MBS01	VN086891.D	09 Jun 2025 09:55	JC\MD	Ok,M
6	Q2216-01	VN086892.D	09 Jun 2025 10:29	JC\MD	Dilution
7	VN0609WBS01	VN086893.D	09 Jun 2025 10:50	JC\MD	Ok,M
8	Q2254-01	VN086894.D	09 Jun 2025 11:12	JC\MD	Ok
9	Q2216-05	VN086895.D	09 Jun 2025 11:33	JC\MD	Ok
10	Q2216-06	VN086896.D	09 Jun 2025 11:55	JC\MD	Ok,M
11	Q2236-01	VN086897.D	09 Jun 2025 12:16	JC\MD	Ok
12	Q2236-05RE	VN086898.D	09 Jun 2025 12:38	JC\MD	Confirms
13	Q2236-09	VN086899.D	09 Jun 2025 12:59	JC\MD	Ok
14	Q2236-17RE	VN086900.D	09 Jun 2025 13:21	JC\MD	Confirms
15	Q2216-01DL	VN086901.D	09 Jun 2025 13:42	JC\MD	Ok
16	VN0609WBSD01	VN086902.D	09 Jun 2025 14:04	JC\MD	Ok,M
17	Q2192-01	VN086903.D	09 Jun 2025 14:25	JC\MD	Ok
18	Q2242-04	VN086904.D	09 Jun 2025 14:47	JC\MD	Ok
19	Q2198-02	VN086905.D	09 Jun 2025 15:08	JC\MD	Ok
20	Q2198-04	VN086906.D	09 Jun 2025 15:30	JC\MD	Ok
21	Q2206-04	VN086907.D	09 Jun 2025 15:51	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2226-04	VN086908.D	09 Jun 2025 16:13	JC\MD	Ok
23	Q2228-04	VN086909.D	09 Jun 2025 16:34	JC\MD	Ok
24	Q2235-01	VN086910.D	09 Jun 2025 16:55	JC\MD	Ok
25	VSTDCCC050	VN086911.D	09 Jun 2025 17:17	JC\MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
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	VN086887.D	09 Jun 2025 08:04		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086888.D	09 Jun 2025 08:37	pH#Lot#V12668	JC\MD	Ok,M
3	VN0609MBL01	VN0609MBL01	VN086889.D	09 Jun 2025 09:12		JC\MD	Ok
4	VN0609WBL01	VN0609WBL01	VN086890.D	09 Jun 2025 09:33		JC\MD	Ok
5	VN0609MBS01	VN0609MBS01	VN086891.D	09 Jun 2025 09:55		JC\MD	Ok,M
6	Q2216-01	3898	VN086892.D	09 Jun 2025 10:29	need 10X	JC\MD	Dilution
7	VN0609WBS01	VN0609WBS01	VN086893.D	09 Jun 2025 10:50		JC\MD	Ok,M
8	Q2254-01	BP-VPB-182-GW-810-8	VN086894.D	09 Jun 2025 11:12	vial B pH<2	JC\MD	Ok
9	Q2216-05	3865	VN086895.D	09 Jun 2025 11:33	vial B pH<2	JC\MD	Ok
10	Q2216-06	3851	VN086896.D	09 Jun 2025 11:55	vial B pH<2	JC\MD	Ok,M
11	Q2236-01	WC-A4-05A-G	VN086897.D	09 Jun 2025 12:16	vial B pH#5.0	JC\MD	Ok
12	Q2236-05RE	WC-A2-04-GRE	VN086898.D	09 Jun 2025 12:38	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
13	Q2236-09	WC-A2-05-G	VN086899.D	09 Jun 2025 12:59	vial B pH#5.0	JC\MD	Ok
14	Q2236-17RE	WC-A2-07-GRE	VN086900.D	09 Jun 2025 13:21	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
15	Q2216-01DL	3898DL	VN086901.D	09 Jun 2025 13:42		JC\MD	Ok
16	VN0609WBSD01	VN0609WBSD01	VN086902.D	09 Jun 2025 14:04		JC\MD	Ok,M
17	Q2192-01	SB-1	VN086903.D	09 Jun 2025 14:25	vial B pH#5.0	JC\MD	Ok
18	Q2242-04	TP09-MHJ	VN086904.D	09 Jun 2025 14:47	vial B pH#5.0	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2198-02	B-202-SB02	VN086905.D	09 Jun 2025 15:08	vial B pH#5.0	JC\MD	Ok
20	Q2198-04	B-207-SB02	VN086906.D	09 Jun 2025 15:30	vial B pH#5.0	JC\MD	Ok
21	Q2206-04	TP-1	VN086907.D	09 Jun 2025 15:51	vial B pH#5.0	JC\MD	Ok
22	Q2226-04	TP06-MHI-WC	VN086908.D	09 Jun 2025 16:13	vial B pH#5.0	JC\MD	Ok
23	Q2228-04	TP08-MHI-WC	VN086909.D	09 Jun 2025 16:34	vial B pH#5.0	JC\MD	Ok
24	Q2235-01	WC-A2-08-G	VN086910.D	09 Jun 2025 16:55	vial B pH#5.0	JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN086911.D	09 Jun 2025 17:17		JC\MD	Ok,M

M : Manual Integration

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TCLP EXTRACTION LOGPAGE

PB168312

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1 / ZHE-2

TCLP Filter ID : 50223706

Start Prep Date : 06/05/2025 **Time :** 15:00

End Prep Date : 06/06/2025 **Time :** 09:20

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 28

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

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	WP112795
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	430992	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE SAMPLES ARE EXTRACTED AND GIVEN AS VIAL A & B. Leak checked after 10 minutes of tumbling.
TUMBLER ZHE-1 /ZHE-2 checked,30 rpm

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/06/25 11:30	JP TCLP Room	S.Y VOC Lab
	Preparation Group	Analysis Group

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TCLP EXTRACTION LOGPAGE

PB168312

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
PB168312TB	LEB312	15	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2
Q2226-04	TP06-MHI-WC	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2227-04	TP07-MHH-WC	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2228-04	TP08-MHI-WC	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2235-01	WC-A2-08-G	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2236-01	WC-A4-05A-G	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2236-05	WC-A2-04-G	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2236-09	WC-A2-05-G	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2236-13	WC-A2-06-G	08	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2236-17	WC-A2-07-G	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2240-04	TP-3	10	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2240-08	TP-2	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2240-12	TP-1	11	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2241-04	TP-N	12	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2241-08	TP-S	13	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2242-04	TP09-MHJ	14	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

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TCLP Solid Determination

PB168312

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168312TB	LEB312	N/A	N/A	N/A	N/A	N/A	N/A
Q2226-04	TP06-MHI-WC	N/A	N/A	N/A	N/A	100	N/A
Q2227-04	TP07-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2228-04	TP08-MHI-WC	N/A	N/A	N/A	N/A	100	N/A
Q2235-01	WC-A2-08-G	N/A	N/A	N/A	N/A	100	N/A
Q2236-01	WC-A4-05A-G	N/A	N/A	N/A	N/A	100	N/A
Q2236-05	WC-A2-04-G	N/A	N/A	N/A	N/A	100	N/A
Q2236-09	WC-A2-05-G	N/A	N/A	N/A	N/A	100	N/A
Q2236-13	WC-A2-06-G	N/A	N/A	N/A	N/A	100	N/A
Q2236-17	WC-A2-07-G	N/A	N/A	N/A	N/A	100	N/A
Q2240-04	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q2240-08	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q2240-12	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q2241-04	TP-N	N/A	N/A	N/A	N/A	100	N/A
Q2241-08	TP-S	N/A	N/A	N/A	N/A	100	N/A
Q2242-04	TP09-MHJ	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q2235 **WorkList ID :** 189979 **Department :** TCLP Extraction **Date :** 06-05-2025 13:54:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2226-04	TP06-MHI-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N42	06/04/2025	1311 ZHE
Q2227-04	TP07-MHH-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N41	06/03/2025	1311 ZHE
Q2228-04	TP08-MHI-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N41	06/04/2025	1311 ZHE
Q2235-01	WC-A2-08-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N41	06/04/2025	1311 ZHE
Q2236-01	WC-A4-05A-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N31	06/04/2025	1311 ZHE
Q2236-05	WC-A2-04-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N31	06/04/2025	1311 ZHE
Q2236-09	WC-A2-05-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N31	06/04/2025	1311 ZHE
Q2236-13	WC-A2-06-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N31	06/04/2025	1311 ZHE
Q2236-17	WC-A2-07-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N31	06/04/2025	1311 ZHE
Q2240-04	TP-3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N31	06/04/2025	1311 ZHE
Q2240-08	TP-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N31	06/04/2025	1311 ZHE
Q2240-12	TP-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N31	06/04/2025	1311 ZHE
Q2241-04	TP-N	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N31	06/05/2025	1311 ZHE
Q2241-08	TP-S	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N41	06/05/2025	1311 ZHE
Q2242-04	TP09-MHJ	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N41	06/05/2025	1311 ZHE
						L21	06/05/2025	1311 ZHE

Date/Time 06105125 14:10
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: [illegible]

Date/Time 06105125 18:00
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: [illegible]

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: Q2235

COC Number: 2042113

CLIENT INFORMATION

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

PROJECT INFORMATION

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

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

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

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
								E	E	E	E	E	E	E	E	E
1.	WC-A2-08-G	Soil		X	6/4	12:00	1	X								
2.	WC-A2-08-C	Soil	X		6/4	12:00	11		X	X	X	X	X	X	X	X
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

COMMENTS

<-- 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. **Austin Farmerie**	6/4 11:00	1. 6.4.25 1655
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	6.4.25 1830	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 4.2 C ☐ Ice in Cooler?:

Comments:

Page of

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

Shipment Complete ☐ YES ☐ NO

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

Alliance TECHNICAL GROUP

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www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2235

COC Number: 2042113

CLIENT INFORMATION

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

PROJECT INFORMATION

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

BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
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ATTENTION: Wendy Murray PHONE: 800-936-8228

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- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

	ASTM COD	ASTM Ammonia-Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter		
	10	11	12	13	14	15	16		
PRESERVATIVES	E	E	E	E	E	E	E		
	1	2	3	4	5	6	7	8	9

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

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles
1.	WC-A2-08-G	Soil		X	5/6	12:00	1
2.	WC-A2-08-C	Soil	X		5/6	12:00	11
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							

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

	DATE/TIME		
RELINQUISHED BY SAMPLER 1. Austin Farmerie	6-4-25 1655	RECEIVED BY 1.	6-4-25 1655
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	6-4-25 1830	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 4.2 °C ☐ Ice in Cooler?:

Comments:

Page of

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
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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