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

Cover Page

Order ID : Q1956

Project ID : Bergen Point Fueling System

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q1956-01	SB1-3-4
Q1956-02	SB2-4-5
Q1956-03	Q1956-02MS
Q1956-04	Q1956-02MSD
Q1956-05	COMP1
Q1956-06	SB91-3-4
Q1956-07	FB-05022025
Q1956-09	TB

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: 5/8/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1956**

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

QA Review Signature: **KETAN PATEL** **Date:** **05/08/2025**

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-05	**COMP1**	**TCLP**			**05/02/25**			**05/02/25**
			TCLP VOA	8260D			05/06/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

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

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1956-05	COMP1	1,2-Dichloroethane-d4	50	47.6	95	74	125
		Dibromofluoromethane	50	56.2	112	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	51.3	103	77	121
VN0506WBL01	VN0506WBL01	1,2-Dichloroethane-d4	50	46.0	92	74	125
		Dibromofluoromethane	50	59.9	120	75	124
		Toluene-d8	50	50.5	101	86	113
		4-Bromofluorobenzene	50	50.2	100	77	121
VN0506WBS01	VN0506WBS01	1,2-Dichloroethane-d4	50	46.3	93	74	125
		Dibromofluoromethane	50	57.8	116	75	124
		Toluene-d8	50	48.7	97	86	113
		4-Bromofluorobenzene	50	46.2	92	77	121
VN0506WBSD0	VN0506WBSD01	1,2-Dichloroethane-d4	50	48.4	97	74	125
		Dibromofluoromethane	50	58.0	116	75	124
		Toluene-d8	50	48.4	97	86	113
		4-Bromofluorobenzene	50	49.6	99	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VN086507.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0506WBS01	Vinyl chloride	20	15.5	ug/L	78			65	117	
	1,1-Dichloroethene	20	17.3	ug/L	86			74	110	
	2-Butanone	100	79.6	ug/L	80			65	122	
	Carbon Tetrachloride	20	20.2	ug/L	101			77	113	
	Chloroform	20	17.9	ug/L	90			79	113	
	Benzene	20	18.4	ug/L	92			82	109	
	1,2-Dichloroethane	20	19.2	ug/L	96			80	115	
	Trichloroethene	20	19.7	ug/L	99			77	113	
	Tetrachloroethene	20	20.4	ug/L	102			67	123	
	Chlorobenzene	20	19.4	ug/L	97			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VN086508.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0506WBSD01	Vinyl chloride	20	15.7	ug/L	79	1		65	117	20
	1,1-Dichloroethene	20	17.3	ug/L	86	0		74	110	20
	2-Butanone	100	84.5	ug/L	85	6		65	122	20
	Carbon Tetrachloride	20	20.3	ug/L	102	1		77	113	20
	Chloroform	20	19.0	ug/L	95	5		79	113	20
	Benzene	20	18.9	ug/L	95	3		82	109	20
	1,2-Dichloroethane	20	20.5	ug/L	103	7		80	115	20
	Trichloroethene	20	20.3	ug/L	102	3		77	113	20
	Tetrachloroethene	20	21.1	ug/L	106	4		67	123	20
	Chlorobenzene	20	20.2	ug/L	101	4		82	109	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0506WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086506.D Lab Sample ID: VN0506WBL01

Date Analyzed: 05/06/2025 Time Analyzed: 11:35

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
VN0506WBS01	VN0506WBS01	VN086507.D	05/06/2025
VN0506WBSD01	VN0506WBSD01	VN086508.D	05/06/2025
COMP1	Q1956-05	VN086512.D	05/06/2025

COMMENTS:

Raw Data: **VN086276.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086276.D BFB Injection Date: 04/15/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:47

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086277.D	04/15/2025	11:29
VSTDICC005	VSTDICC005	VN086278.D	04/15/2025	12:21
VSTDICC010	VSTDICC010	VN086279.D	04/15/2025	12:45
VSTDICC020	VSTDICC020	VN086280.D	04/15/2025	13:09
VSTDICCC050	VSTDICCC050	VN086281.D	04/15/2025	13:51
VSTDICC100	VSTDICC100	VN086282.D	04/15/2025	14:29

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086503.D BFB Injection Date: 05/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:13

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5 (6.8) 1
176	95.0 - 101.0% of mass 174	71.8 (97.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 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	VN086504.D	05/06/2025	10:35
VN0506WBL01	VN0506WBL01	VN086506.D	05/06/2025	11:35
VN0506WBS01	VN0506WBS01	VN086507.D	05/06/2025	11:59
VN0506WBSD01	VN0506WBSD01	VN086508.D	05/06/2025	12:34
COMP1	Q1956-05	VN086512.D	05/06/2025	14:11

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086504.D Date Analyzed: 05/06/2025

Instrument ID: MSVOA_N Time Analyzed: 10:35

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	186971	8.22	338775	9.09	314072	11.86
UPPER LIMIT	373942	8.724	677550	9.594	628144	12.359
LOWER LIMIT	93485.5	7.724	169388	8.594	157036	11.359
EPA SAMPLE NO.						
COMP1	173251	8.22	324303	9.10	314398	11.87
VN0506WBL01	200028	8.22	363115	9.10	340109	11.86
VN0506WBS01	202593	8.22	354153	9.10	311333	11.87
VN0506WBSD01	187036	8.22	333546	9.10	299527	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: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086504.D Date Analyzed: 05/06/2025

Instrument ID: MSVOA_N Time Analyzed: 10:35

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

	IS4 AREA #	RT #				
12 HOUR STD	155373	13.788				
UPPER LIMIT	310746	14.288				
LOWER LIMIT	77686.5	13.288				
EPA SAMPLE NO.						
COMP1	138091	13.79				
VN0506WBL01	148177	13.79				
VN0506WBS01	140117	13.79				
VN0506WBSD01	139590	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1	SDG No.:	Q1956
Lab Sample ID:	Q1956-05	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086512.D	1		05/06/25 14:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.6		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		75 - 124	112%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	8.224			
540-36-3	1,4-Difluorobenzene	324000	9.1			
3114-55-4	Chlorobenzene-d5	314000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	138000	13.788			

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

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

Sample Results: **VN086512.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086512.D
Acq On : 06 May 2025 14:11
Operator : JC\MD
Sample : Q1956-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 07 02:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
COMP1

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	173251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	314398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119640	47.622	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.240%			
35) Dibromofluoromethane	8.165	113	84652	56.242	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.480%			
50) Toluene-d8	10.565	98	411132	51.109	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.220%			
62) 4-Bromofluorobenzene	12.847	95	150608	51.331	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.660%			
Target Compounds						Qvalue
16) Acetone	4.430	43	44053	46.062	ug/l	97
20) Methylene Chloride	5.277	84	7210	3.104	ug/l	84
43) Isopropyl Acetate	8.688	43	23631m	2.342	ug/l	

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

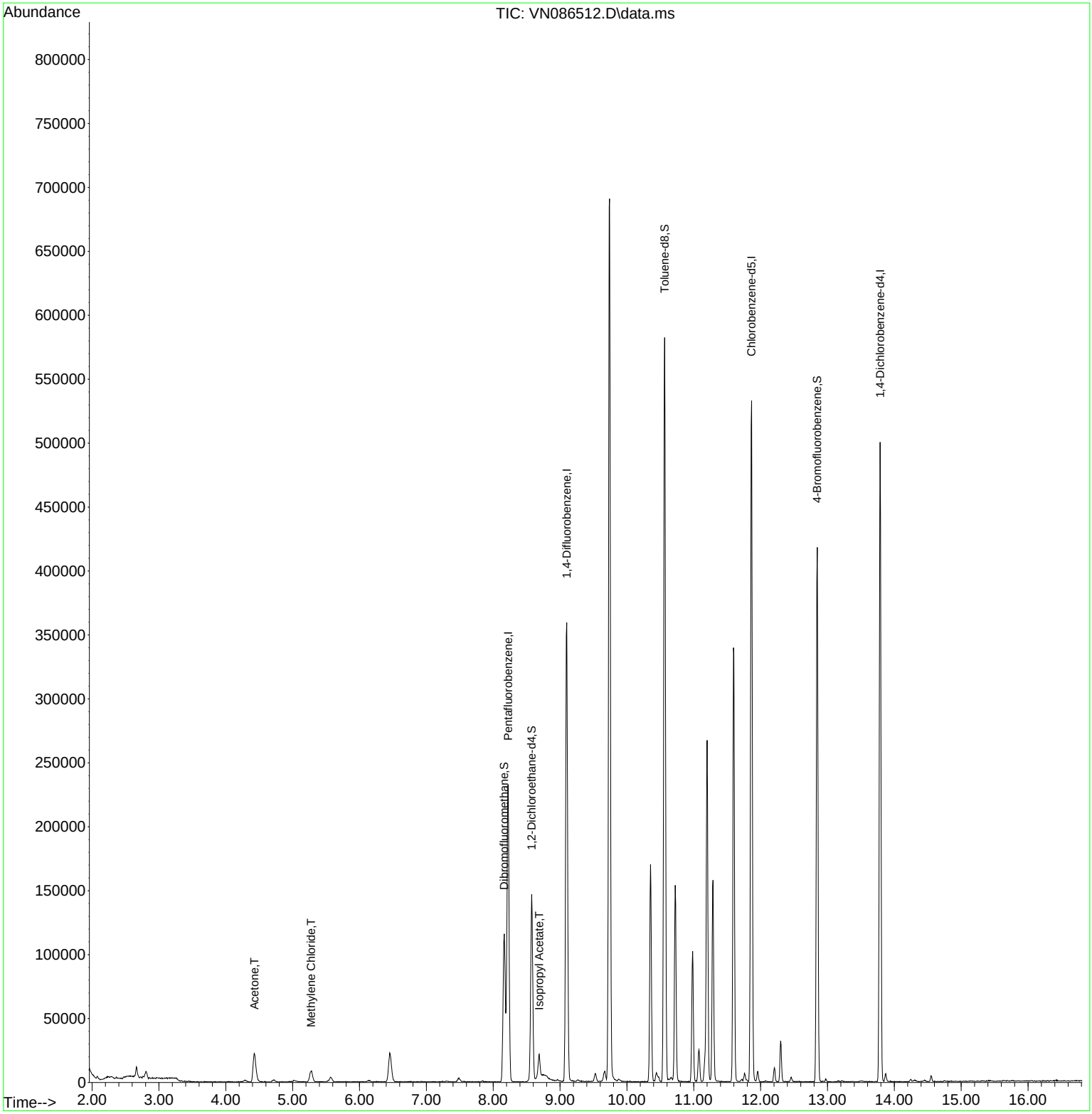
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086512.D
Acq On : 06 May 2025 14:11
Operator : JC\MD
Sample : Q1956-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

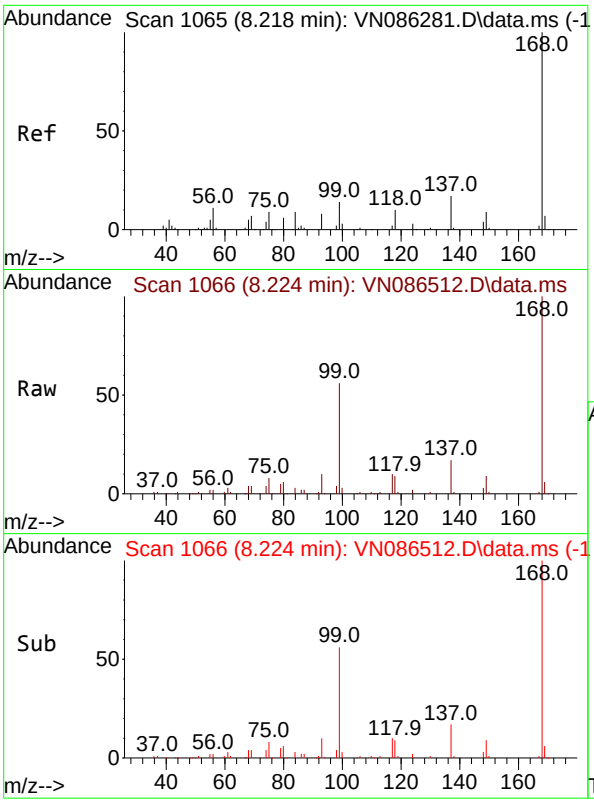
Quant Time: May 07 02:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
COMP1

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

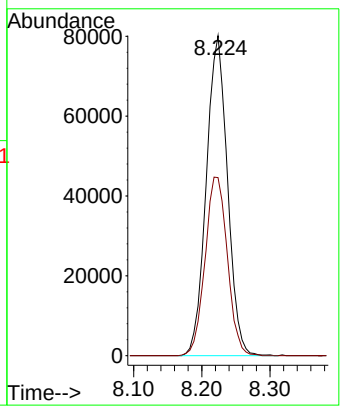




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion:168 Resp: 17325

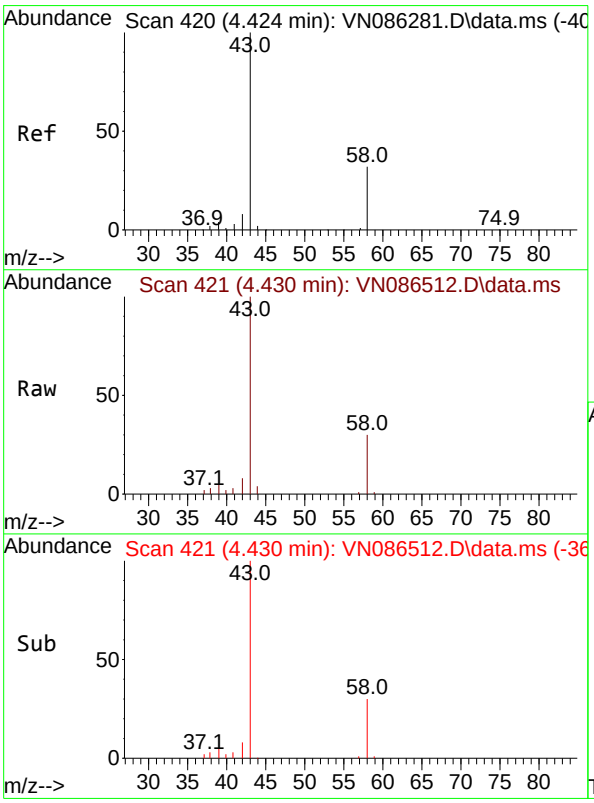
Ion	Ratio	Lower	Upper
168	100		
99	55.6	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
COMP1

Manual Integrations
APPROVED

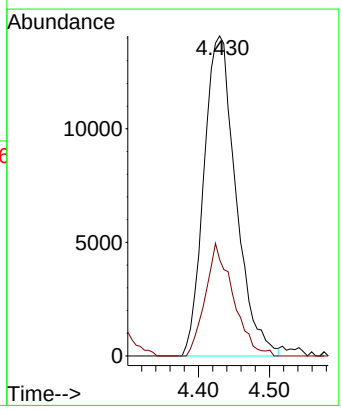
Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

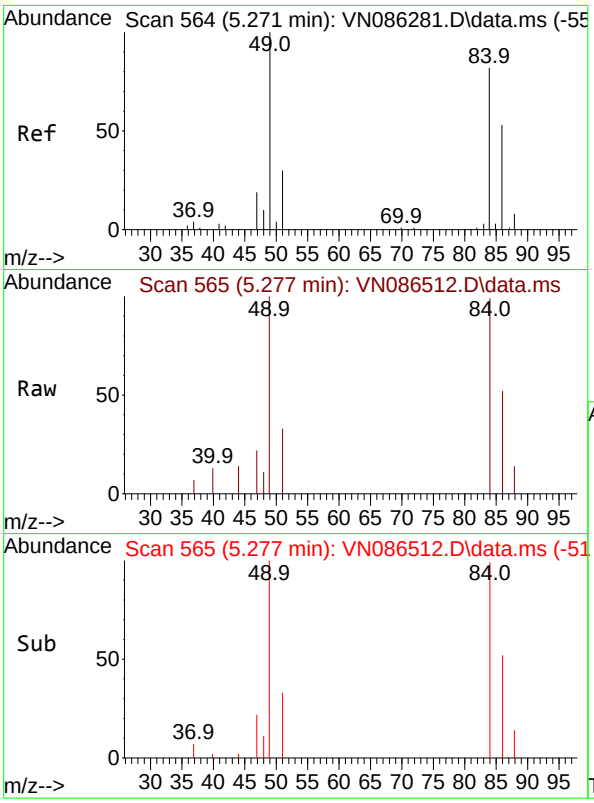


#16
Acetone
Concen: 46.062 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 43 Resp: 44053

Ion	Ratio	Lower	Upper
43	100		
58	30.1	25.3	37.9

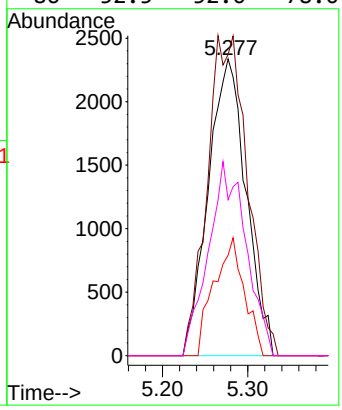




#20
Methylene Chloride
Concen: 3.104 ug/l
RT: 5.277 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 84 Resp: 721

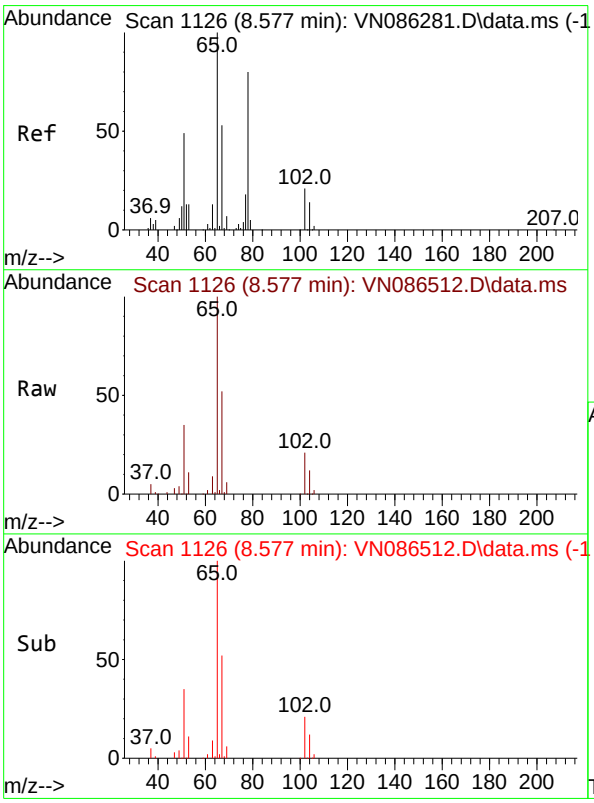
Ion	Ratio	Lower	Upper
84	100		
49	101.5	98.2	147.2
51	33.8	29.8	44.6
86	52.5	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
COMP1

Manual Integrations
APPROVED

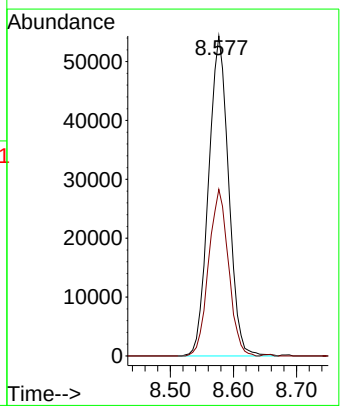
Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

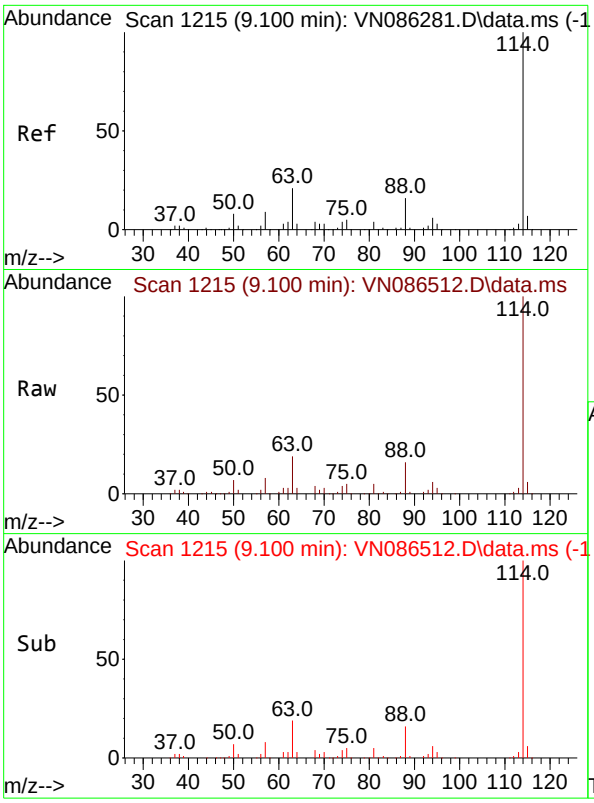


#33
1,2-Dichloroethane-d4
Concen: 47.622 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 65 Resp: 119640

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.0

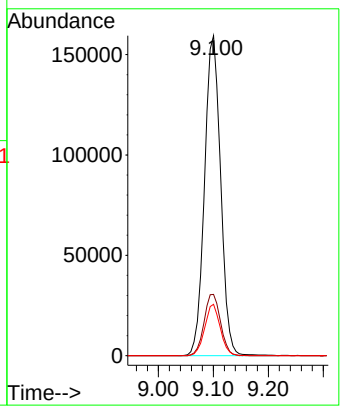




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion:114 Resp: 32430

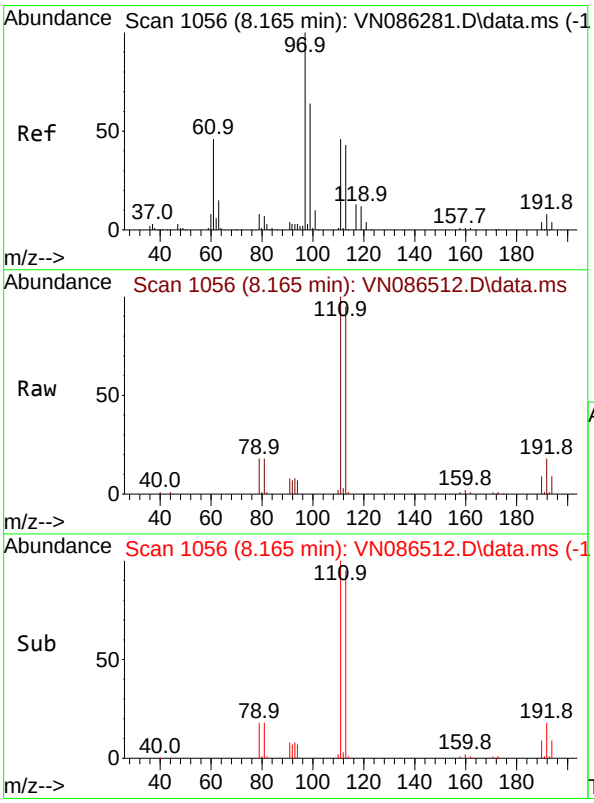
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.6
88	16.1	0.0	31.8



Instrument :
MSVOA_N
ClientSampleId :
COMP1

Manual Integrations
APPROVED

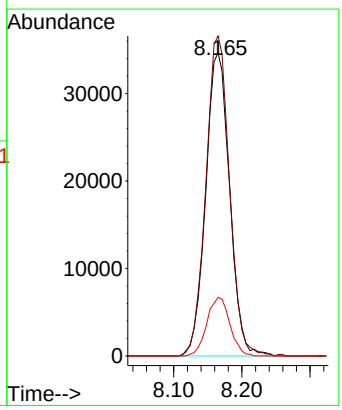
Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

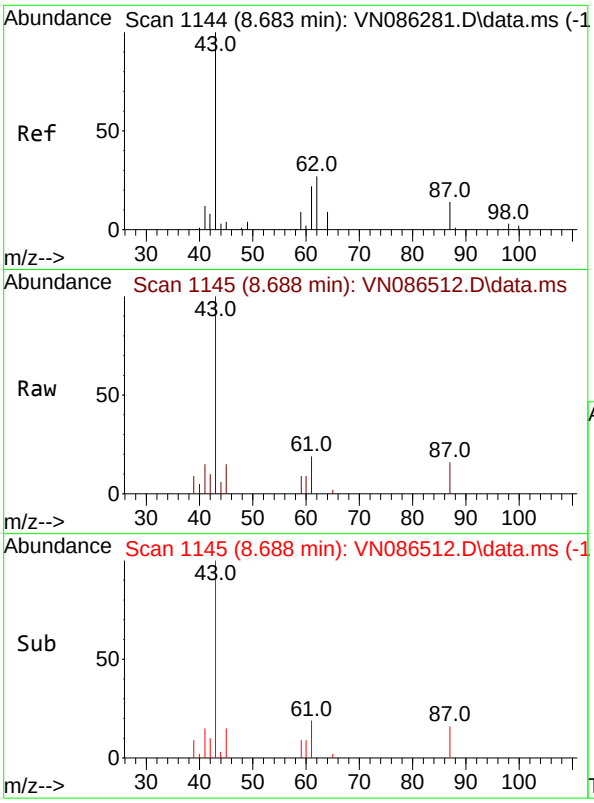


#35
Dibromofluoromethane
Concen: 56.242 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion:113 Resp: 84652

Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.4	125.0
192	18.6	13.7	20.5





#43
Isopropyl Acetate
Concen: 2.342 ug/l m
RT: 8.688 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

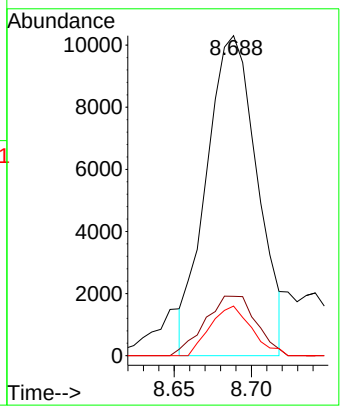
Tgt Ion: 43 Resp: 2363

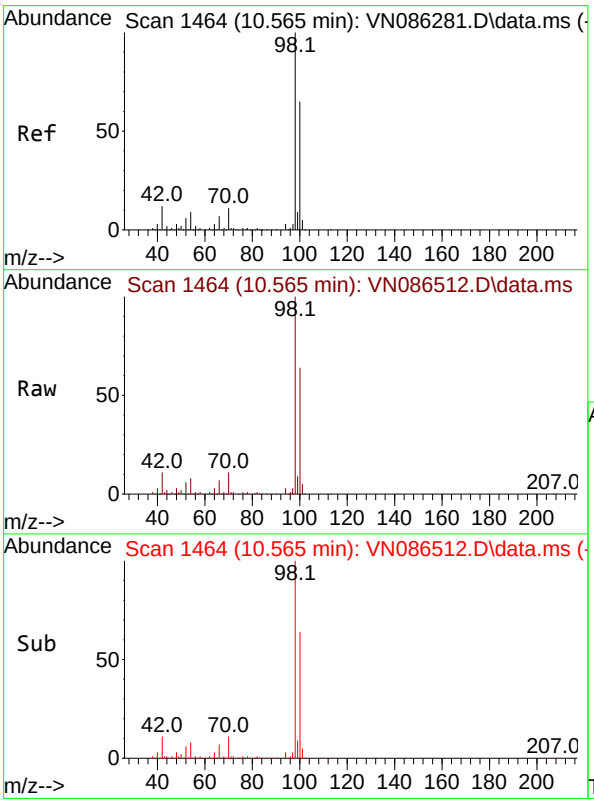
Ion	Ratio	Lower	Upper
43	100		
61	18.8	20.5	30.7#
87	12.7	10.5	15.7

Instrument :
MSVOA_N
ClientSampleId :
COMP1

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

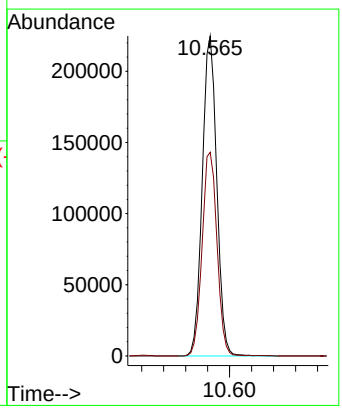


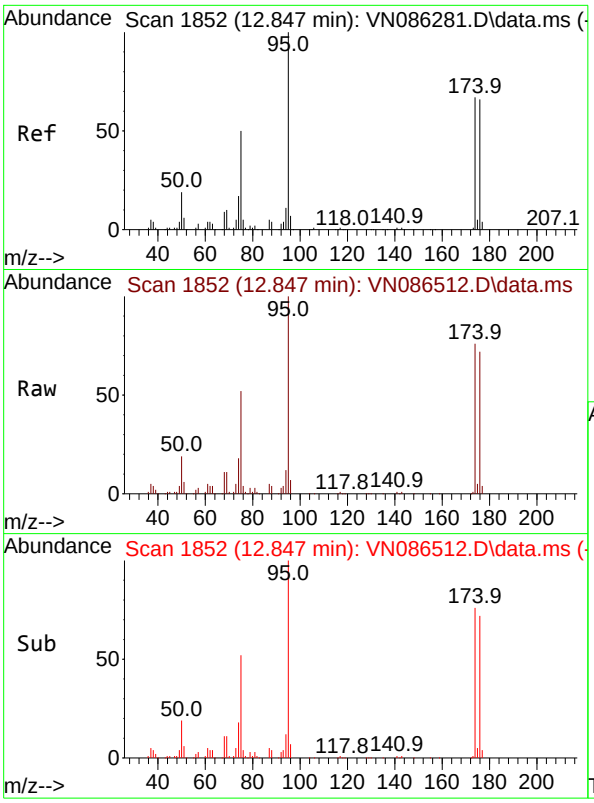


#50
Toluene-d8
Concen: 51.109 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 98 Resp: 411132

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.5	78.7





#62
4-Bromofluorobenzene
Concen: 51.331 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

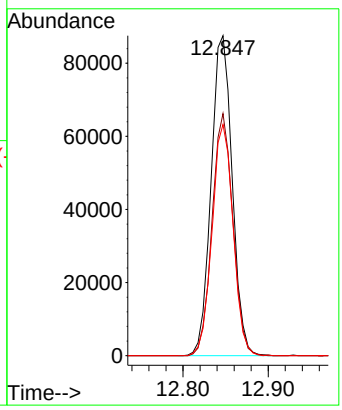
Tgt Ion: 95 Resp: 15060

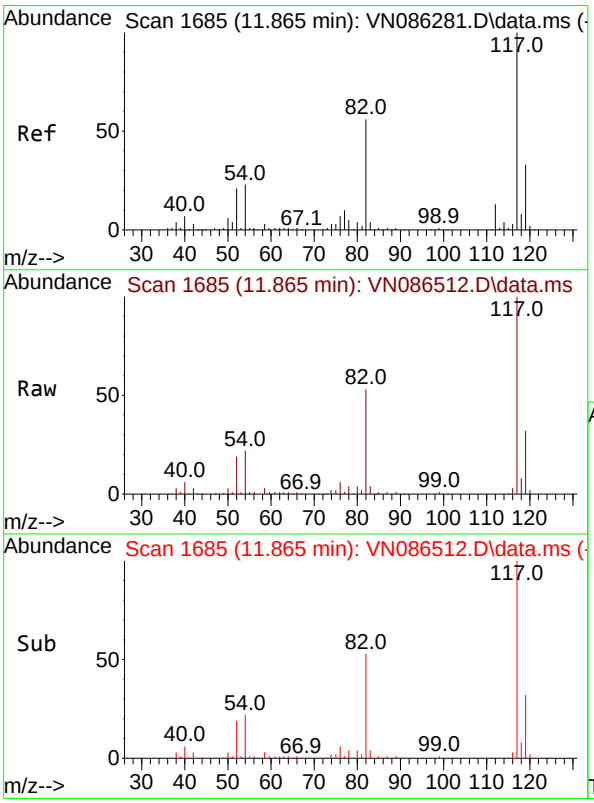
Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	133.4
176	72.0	0.0	129.2

Instrument :
MSVOA_N
ClientSampleId :
COMP1

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

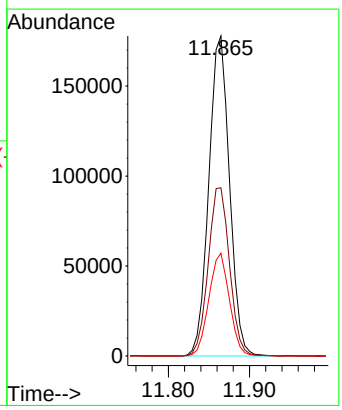


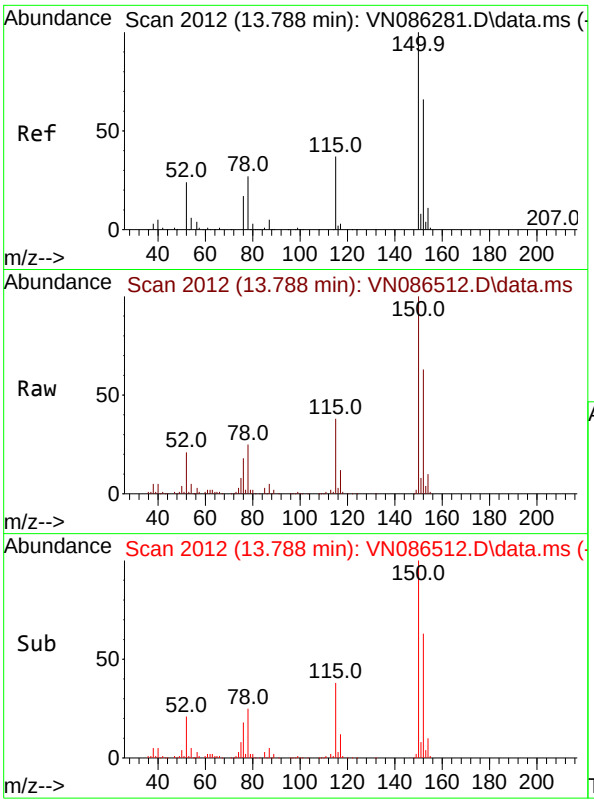


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion:117 Resp: 314398

Ion	Ratio	Lower	Upper
117	100		
82	52.5	44.7	67.1
119	32.1	26.4	39.6

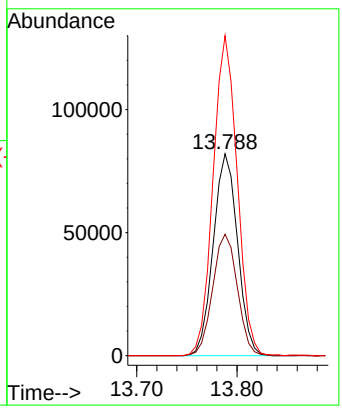




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion:152 Resp: 13809

Ion	Ratio	Lower	Upper
152	100		
115	61.0	31.9	95.9
150	157.1	0.0	352.0



Instrument :
MSVOA_N
ClientSampleId :
COMP1

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

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

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.4
1,1-Dichloroethene	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.6
2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.7
Carbon Tetrachloride	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.9
Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.3
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8
1,2-Dichloroethane	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.1
Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.8
Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.8
Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.8
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	4

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025
Response Via : Initial Calibration

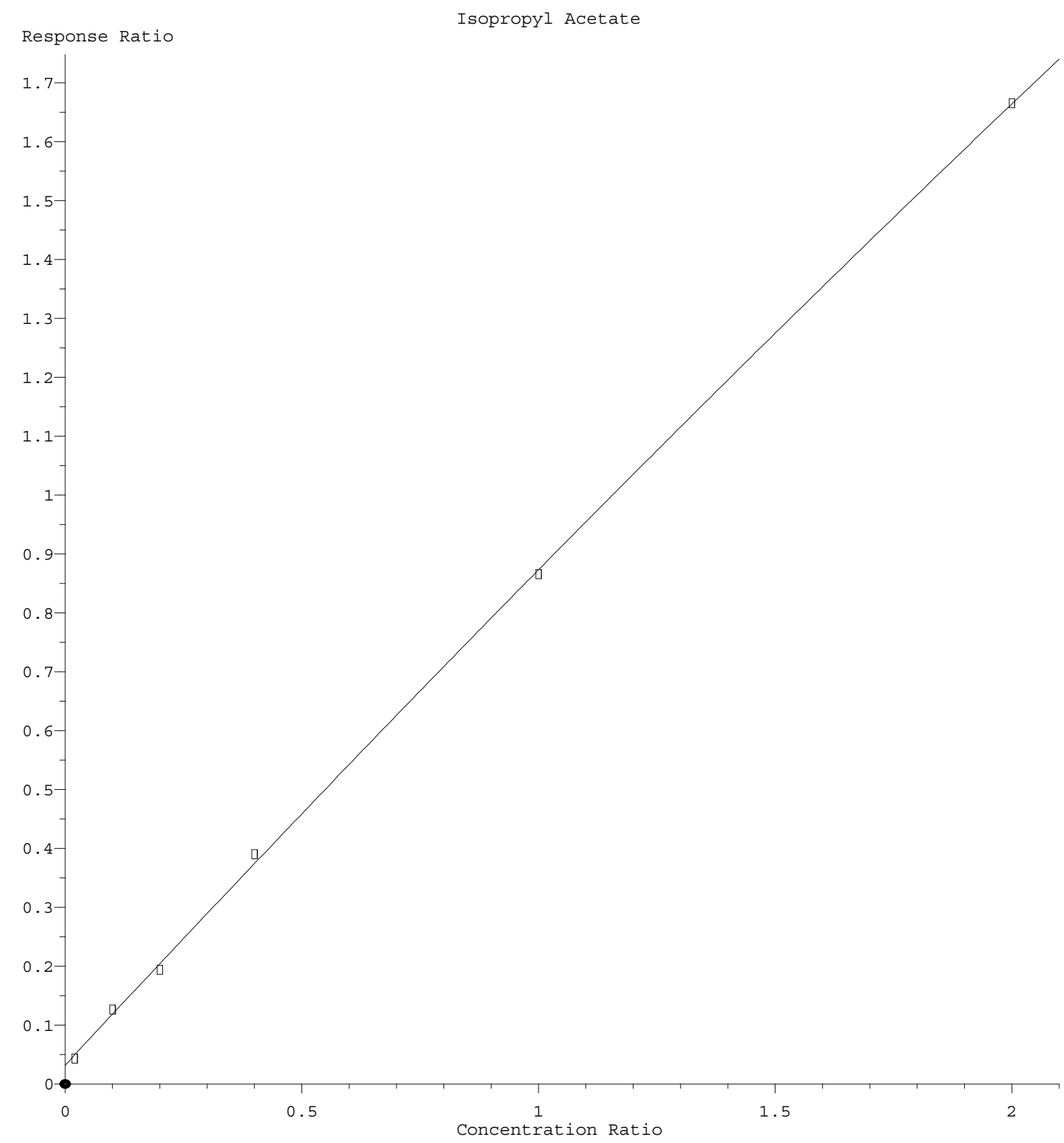
Calibration Files
1 =VN086277.D 5 =VN086278.D 10 =VN086279.D 20 =VN086280.D 50 =VN086281.D 100 =VN086282.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.606	0.561	0.582	0.624	0.591	0.593	0.593	3.56
3)	P	Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.46
4)	C	Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.36#
5)	T	Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.53
6)	T	Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.31
7)	T	Trichlorofluor...	0.988	0.951	0.859	0.927	0.863	0.875	0.911	5.87
8)	T	Diethyl Ether	0.423	0.421	0.375	0.415	0.374	0.377	0.398	6.12
9)	T	1,1,2-Trichlor...	0.577	0.581	0.522	0.567	0.526	0.532	0.551	4.93
10)	T	Methyl Iodide		0.598	0.564	0.636	0.599	0.631	0.606	4.84
11)	T	Tert butyl alc...		0.145	0.135	0.142	0.124	0.115	0.132	9.44
12)	CM	1,1-Dichloroet...	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.59#
13)	T	Acrolein		0.121	0.070	0.065	0.061	0.060	0.075	34.06
14)	T	Allyl chloride	1.330	1.082	0.957	1.025	0.929	0.954	1.046	14.33
15)	T	Acrylonitrile	0.332	0.349	0.308	0.343	0.317	0.313	0.327	5.13
16)	T	Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.22
17)	T	Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.28
18)	T	Methyl Acetate	1.024	0.912	0.819	0.864	0.781	0.822	0.870	10.04
19)	T	Methyl tert-bu...	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.76
20)	T	Methylene Chlo...	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.71
21)	T	trans-1,2-Dich...	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.11
22)	T	Diisopropyl ether	2.660	2.385	2.107	2.266	2.109	2.128	2.276	9.58
23)	T	Vinyl Acetate	1.743	1.757	1.524	1.643	1.483	1.396	1.591	9.21
24)	P	1,1-Dichloroet...	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.57
25)	T	2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.73
26)	T	2,2-Dichloropr...	1.174	1.154	1.024	1.084	0.983	1.032	1.075	7.07
27)	T	cis-1,2-Dichlo...	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.32
28)	T	Bromochloromet...	0.545	0.608	0.436	0.465	0.495	0.506	0.509	11.96
29)	T	Tetrahydrofuran	0.337	0.319	0.286	0.314	0.281	0.273	0.302	8.30
30)	C	Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.29#
31)	T	Cyclohexane		1.439	1.140	1.169	1.066	1.062	1.175	13.14
32)	T	1,1,1-Trichlor...	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.79
33)	S	1,2-Dichloroet...		0.746	0.745	0.707	0.719	0.708	0.725	2.63
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.267	0.255	0.230	0.215	0.194	0.232	12.85
36)	T	1,1-Dichloropr...	0.509	0.488	0.426	0.466	0.443	0.448	0.463	6.68
37)	T	Ethyl Acetate	0.585	0.509	0.458	0.491	0.446	0.439	0.488	11.15
38)	T	Carbon Tetrach...	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.93
39)	T	Methylcyclohexane	0.611	0.579	0.513	0.549	0.524	0.531	0.551	6.83
40)	TM	Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.81
41)	T	Methacrylonitrile	0.327	0.285	0.278	0.283	0.264	0.259	0.283	8.57
42)	TM	1,2-Dichloroet...	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.09
43)	T	Isopropyl Acetate	2.155	1.263	0.969	0.975	0.866	0.833	1.177	42.71
44)	TM	Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.83
45)	C	1,2-Dichloropr...	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.24#
46)	T	Dibromomethane	0.234	0.244	0.220	0.239	0.227	0.226	0.232	3.74
47)	T	Bromodichlorom...	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.39
48)	T	Methyl methacr...	0.517	0.436	0.404	0.433	0.395	0.386	0.429	11.14
49)	T	1,4-Dioxane	0.009	0.008	0.007	0.008	0.007	0.006	0.007	15.51
50)	S	Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.81
51)	T	4-Methyl-2-Pen...	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.90
52)	CM	Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.60#
53)	T	t-1,3-Dichloro...	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.38
54)	T	cis-1,3-Dichlo...	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.52
55)	T	1,1,2-Trichlor...	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.91
56)	T	Ethyl methacry...	0.668	0.644	0.578	0.623	0.579	0.585	0.613	6.23

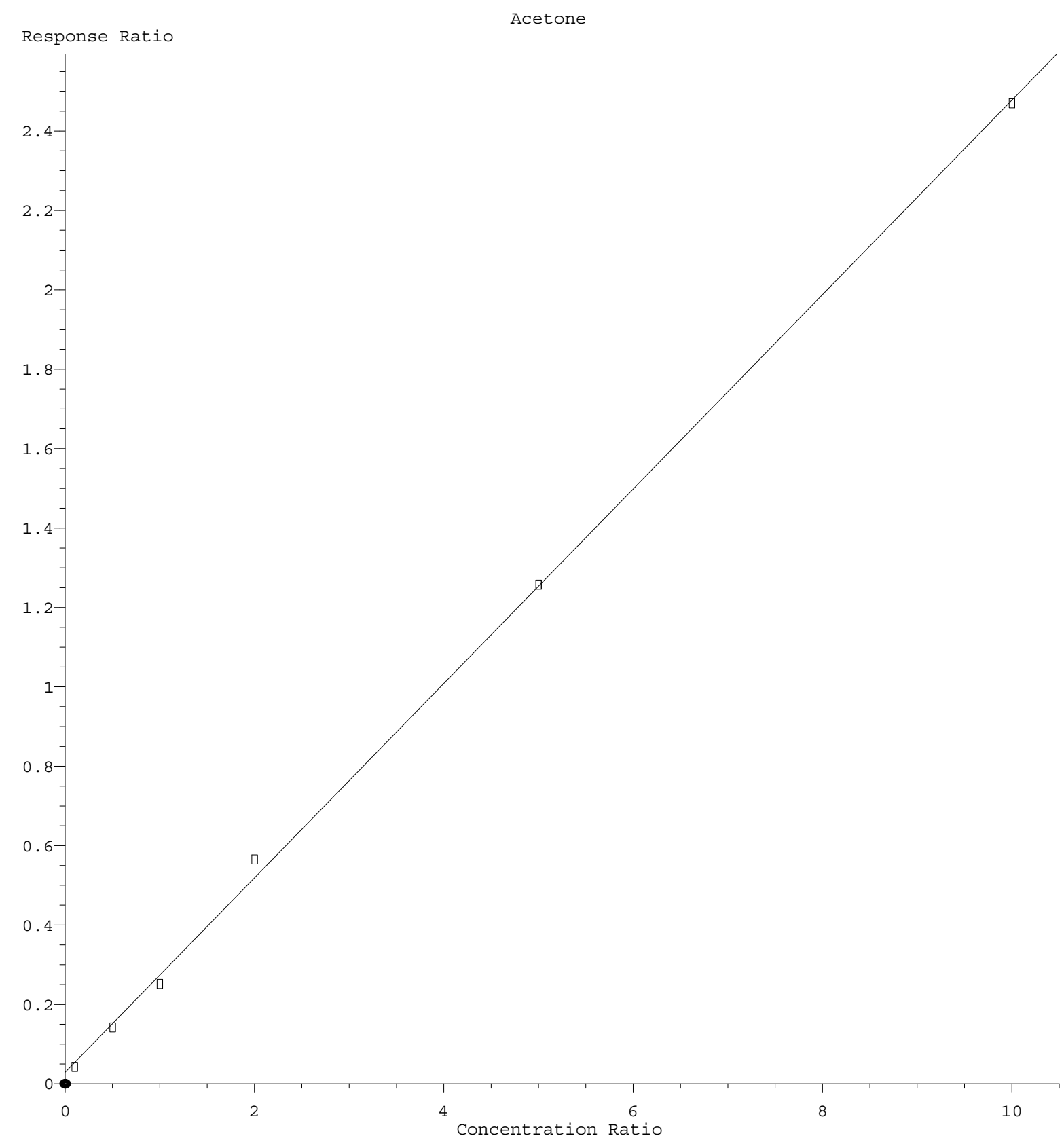
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N041525W.M

57)	T	1,3-Dichloropr...	0.629	0.617	0.567	0.602	0.564	0.571	0.592	4.75
58)	T	2-Chloroethyl ...	0.294	0.354	0.242	0.275	0.287	0.294	0.291	12.51
59)	T	2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.28
60)	T	Dibromochlorom...	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.48
61)	T	1,2-Dibromoethane	0.359	0.342	0.319	0.350	0.324	0.323	0.336	4.94
62)	S	4-Bromofluorob...		0.459	0.456	0.421	0.459	0.467	0.452	4.02
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.83
65)	PM	Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.78
66)	T	1,1,1,2-Tetrac...	0.400	0.396	0.349	0.368	0.347	0.348	0.368	6.70
67)	C	Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.39#
68)	T	m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.38
69)	T	o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.16
70)	T	Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.28
71)	P	Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7.03
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.89
74)	T	N-amyl acetate	2.690	2.110	1.879	2.000	1.778	1.760	2.036	17.03
75)	P	1,1,2,2-Tetrac...	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.07
76)	T	1,2,3-Trichlor...	1.518	1.144	1.153	1.182	1.042	1.040	1.180	14.93
77)	T	Bromobenzene	0.968	0.935	0.905	0.946	0.850	0.833	0.906	5.99
78)	T	n-propylbenzene	5.366	5.072	4.629	4.862	4.488	4.501	4.820	7.26
79)	T	2-Chlorotoluene	3.378	3.247	2.908	3.058	2.759	2.745	3.016	8.61
80)	T	1,3,5-Trimethy...	3.800	3.518	3.178	3.418	3.083	3.088	3.348	8.50
81)	T	trans-1,4-Dich...		0.526	0.493	0.494	0.461	0.482	0.491	4.81
82)	T	4-Chlorotoluene	3.304	3.152	2.851	3.047	2.810	2.812	2.996	6.86
83)	T	tert-Butylbenzene	3.382	3.057	2.795	2.886	2.608	2.675	2.901	9.80
84)	T	1,2,4-Trimethy...	3.782	3.644	3.262	3.431	3.171	3.156	3.408	7.62
85)	T	sec-Butylbenzene	4.451	4.309	3.897	3.991	3.763	3.729	4.023	7.34
86)	T	p-Isopropyltol...	3.603	3.487	3.174	3.290	3.158	3.185	3.316	5.63
87)	T	1,3-Dichlorobe...	1.866	1.822	1.618	1.698	1.610	1.608	1.704	6.72
88)	T	1,4-Dichlorobe...	1.942	1.815	1.615	1.713	1.614	1.597	1.716	8.05
89)	T	n-Butylbenzene	3.209	3.013	2.746	2.921	2.838	2.910	2.939	5.43
90)	T	Hexachloroethane	0.617	0.586	0.530	0.557	0.518	0.538	0.558	6.74
91)	T	1,2-Dichlorobe...	1.819	1.820	1.565	1.646	1.559	1.502	1.652	8.35
92)	T	1,2-Dibromo-3-...	0.234	0.274	0.229	0.251	0.222	0.213	0.237	9.21
93)	T	1,2,4-Trichlor...	0.822	0.865	0.730	0.793	0.765	0.771	0.791	5.99
94)	T	Hexachlorobuta...	0.308	0.339	0.286	0.301	0.280	0.278	0.299	7.61
95)	T	Naphthalene	3.012	2.955	2.601	2.904	2.675	2.674	2.804	6.20
96)	T	1,2,3-Trichlor...	0.819	0.810	0.697	0.749	0.708	0.709	0.749	7.25

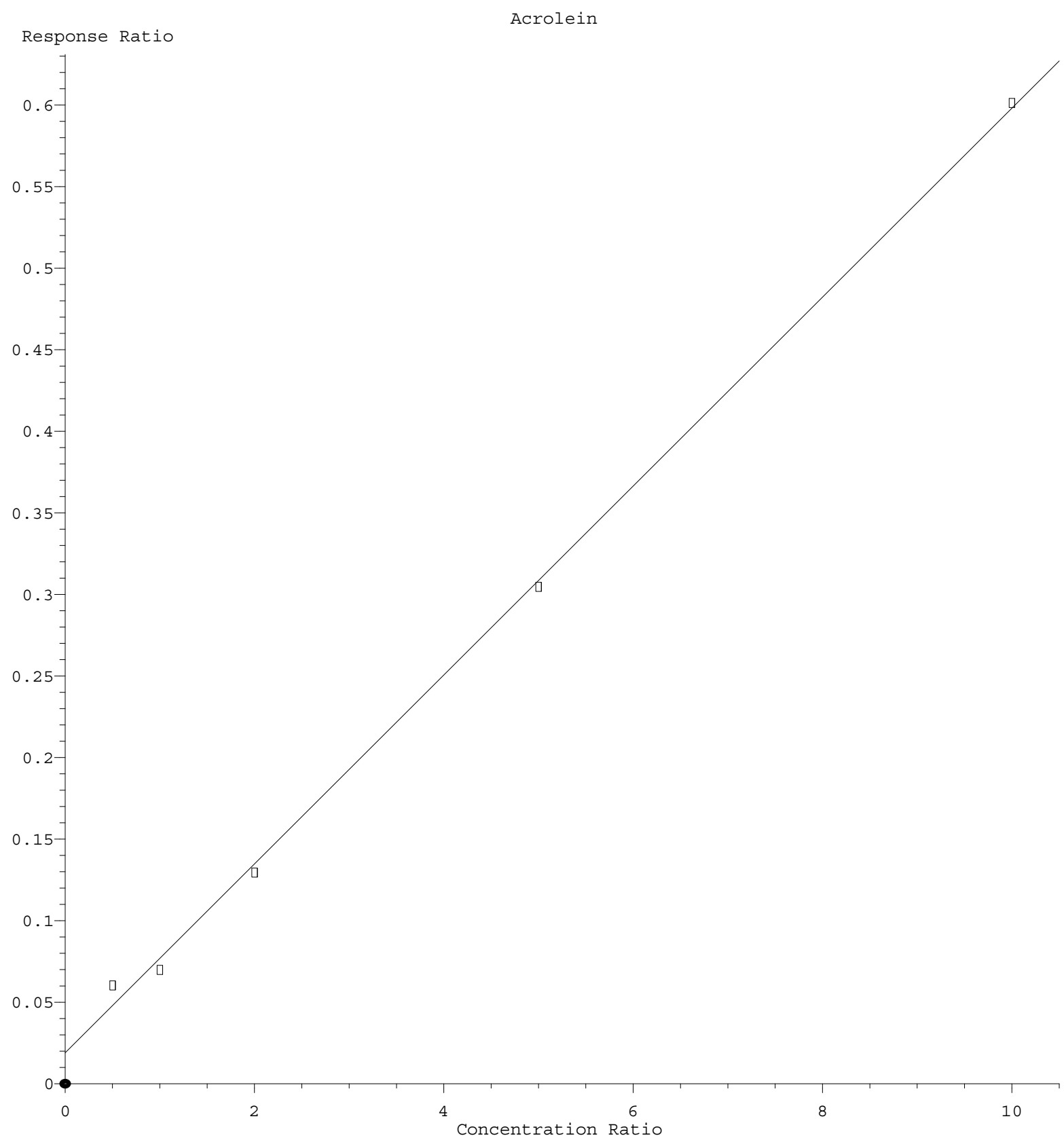
(#) = Out of Range



R = -2.483e-002 A*A + 8.654e-001 A + 3.238e-002
Coef of Det (r^2) = 0.999735 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
Calibration Table Last Updated: Wed Apr 16 04:19:23 2025



Response = 2.450e-001 * Amt + 2.861e-002
Coef of Det (r^2) = 0.999327 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
Calibration Table Last Updated: Wed Apr 16 04:19:23 2025



Response = 5.796e-002 * Amt + 1.861e-002
Coef of Det (r^2) = 0.998771 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086277.D
Acq On : 15 Apr 2025 11:29
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 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:54:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	218868	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	404752	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	341637	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145129	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	2651	1.022	ug/l		95
3) Chloromethane	2.360	50	4871	1.292	ug/l		93
4) Vinyl Chloride	2.518	62	3928	1.092	ug/l		94
6) Chloroethane	3.124	64	2846	1.182	ug/l	#	86
7) Trichlorofluoromethane	3.495	101	4327	1.086	ug/l	#	79
8) Diethyl Ether	3.965	74	1853	1.065	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.365	101	2525	1.047	ug/l	#	84
12) 1,1-Dichloroethene	4.342	96	2890	1.122	ug/l		97
14) Allyl chloride	5.018	41	5821	1.272	ug/l		94
15) Acrylonitrile	5.730	53	7256	5.069	ug/l		100
16) Acetone	4.430	43	9264m	2.774	ug/l		
17) Carbon Disulfide	4.706	76	10177	1.319	ug/l		97
18) Methyl Acetate	5.024	43	4481	1.176	ug/l		92
19) Methyl tert-butyl Ether	5.789	73	10847	1.145	ug/l	#	91
20) Methylene Chloride	5.271	84	3423	1.167	ug/l	#	94
21) trans-1,2-Dichloroethene	5.783	96	3079	1.143	ug/l	#	84
22) Diisopropyl ether	6.665	45	11644	1.169	ug/l		98
23) Vinyl Acetate	6.606	43	38143	5.479	ug/l		96
24) 1,1-Dichloroethane	6.565	63	5756	1.095	ug/l	#	85
25) 2-Butanone	7.489	43	11026	5.581	ug/l		99
26) 2,2-Dichloropropane	7.494	77	5139	1.092	ug/l		99
27) cis-1,2-Dichloroethene	7.489	96	3859	1.154	ug/l		90
28) Bromochloromethane	7.800	49	2387	1.071	ug/l	#	92
29) Tetrahydrofuran	7.841	42	7367	5.577	ug/l		93
30) Chloroform	7.959	83	5771	1.118	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	4792	1.085	ug/l	#	51
36) 1,1-Dichloropropene	8.371	75	4123	1.099	ug/l		94
37) Ethyl Acetate	7.559	43	4732	1.198	ug/l	#	91
38) Carbon Tetrachloride	8.359	117	3808	1.066	ug/l		100
39) Methylcyclohexane	9.594	83	4950	1.110	ug/l		96
40) Benzene	8.606	78	13340	1.110	ug/l		97
41) Methacrylonitrile	7.765	41	2651	1.158	ug/l	#	94
42) 1,2-Dichloroethane	8.665	62	4258	1.111	ug/l		96
43) Isopropyl Acetate	8.683	43	17444	0.619	ug/l	#	75
44) Trichloroethene	9.353	130	3157	1.108	ug/l		87
45) 1,2-Dichloropropane	9.612	63	3063	1.041	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086277.D
Acq On : 15 Apr 2025 11:29
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 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:54:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.706	93	1891	1.009 ug/l	91
47) Bromodichloromethane	9.888	83	4302	1.062 ug/l #	97
48) Methyl methacrylate	9.683	41	4185	1.206 ug/l	94
49) 1,4-Dioxane	9.688	88	1477	25.032 ug/l #	76
51) 4-Methyl-2-Pentanone	10.441	43	21143	5.227 ug/l	98
52) Toluene	10.624	92	8120	1.083 ug/l	99
53) t-1,3-Dichloropropene	10.841	75	4663	1.032 ug/l	93
54) cis-1,3-Dichloropropene	10.306	75	5497	1.107 ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	2967	1.099 ug/l	93
56) Ethyl methacrylate	10.871	69	5409	1.090 ug/l	90
57) 1,3-Dichloropropane	11.159	76	5091	1.063 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	11885	5.048 ug/l	97
59) 2-Hexanone	11.194	43	15945	5.315 ug/l	98
60) Dibromochloromethane	11.353	129	3054	1.031 ug/l	96
61) 1,2-Dibromoethane	11.465	107	2908	1.068 ug/l	90
64) Tetrachloroethene	11.106	164	2864	1.090 ug/l	95
65) Chlorobenzene	11.882	112	8440	1.107 ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2734	1.087 ug/l #	62
67) Ethyl Benzene	11.959	91	15099	1.097 ug/l	96
68) m/p-Xylenes	12.071	106	11055	2.144 ug/l	98
69) o-Xylene	12.394	106	5408	1.061 ug/l	97
70) Styrene	12.406	104	8925	1.051 ug/l	96
71) Bromoform	12.576	173	2089	1.103 ug/l #	80
73) Isopropylbenzene	12.694	105	13542	1.141 ug/l	98
74) N-amyl acetate	12.494	43	7807	1.321 ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	3910	1.145 ug/l	94
76) 1,2,3-Trichloropropane	12.988	75	4407m	1.293 ug/l	
77) Bromobenzene	12.982	156	2811	1.069 ug/l	90
78) n-propylbenzene	13.029	91	15576	1.113 ug/l	98
79) 2-Chlorotoluene	13.124	91	9804	1.120 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	11029	1.135 ug/l	99
82) 4-Chlorotoluene	13.218	91	9589	1.103 ug/l	98
83) tert-Butylbenzene	13.435	119	9817	1.166 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	10977	1.110 ug/l	96
85) sec-Butylbenzene	13.612	105	12920	1.106 ug/l	98
86) p-Isopropyltoluene	13.729	119	10458	1.086 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	5415	1.095 ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	5636m	1.132 ug/l	
89) n-Butylbenzene	14.053	91	9315	1.092 ug/l	99
90) Hexachloroethane	14.329	117	1792	1.107 ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	5279	1.101 ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.718	75	679	0.987 ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	2387	1.040 ug/l	93
94) Hexachlorobutadiene	15.494	225	893	1.030 ug/l	78
95) Naphthalene	15.641	128	8743	1.074 ug/l	97
96) 1,2,3-Trichlorobenzene	15.829	180	2378	1.094 ug/l	91

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

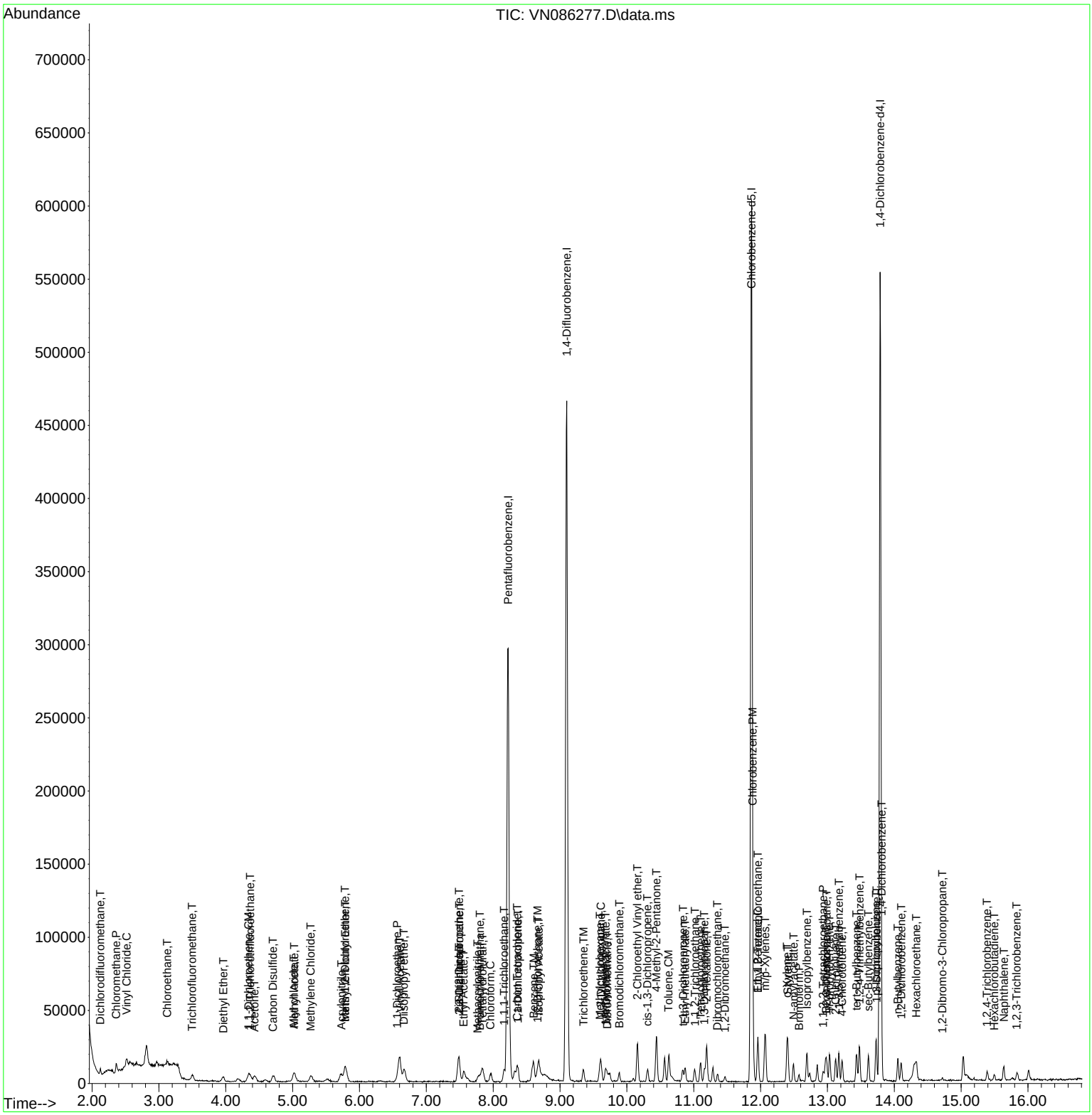
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086277.D
Acq On : 15 Apr 2025 11:29
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 03:54:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	234470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	436245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	17487	5.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.280%#		
35) Dibromofluoromethane	8.171	113	11660	5.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.520%#		
50) Toluene-d8	10.565	98	54403	5.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.060%#		
62) 4-Bromofluorobenzene	12.847	95	20034	5.076	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.160%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	13162	4.735	ug/l	95
3) Chloromethane	2.359	50	21191	5.246	ug/l	96
4) Vinyl Chloride	2.512	62	19342	5.018	ug/l	99
5) Bromomethane	2.948	94	8981	5.180	ug/l	91
6) Chloroethane	3.112	64	13592	5.268	ug/l	98
7) Trichlorofluoromethane	3.495	101	22304	5.223	ug/l	92
8) Diethyl Ether	3.959	74	9862	5.291	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	13633	5.278	ug/l	99
10) Methyl Iodide	4.589	142	14033	4.941	ug/l	94
11) Tert butyl alcohol	5.518	59	16966	27.348	ug/l #	88
12) 1,1-Dichloroethene	4.342	96	14583	5.284	ug/l	94
13) Acrolein	4.177	56	14133	35.938	ug/l	91
14) Allyl chloride	5.018	41	25369	5.174	ug/l	98
15) Acrylonitrile	5.712	53	40960	26.709	ug/l	99
16) Acetone	4.430	43	33298	23.124	ug/l	100
17) Carbon Disulfide	4.712	76	43706	5.289	ug/l	98
18) Methyl Acetate	5.024	43	21384	5.239	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	53138	5.238	ug/l	92
20) Methylene Chloride	5.277	84	16566	5.270	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	15380	5.331	ug/l	98
22) Diisopropyl ether	6.665	45	55913	5.239	ug/l #	98
23) Vinyl Acetate	6.600	43	205955m	27.614	ug/l	
24) 1,1-Dichloroethane	6.559	63	29865	5.304	ug/l	99
25) 2-Butanone	7.483	43	55470	26.210	ug/l	100
26) 2,2-Dichloropropane	7.488	77	27048	5.365	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	18982	5.301	ug/l	97
28) Bromochloromethane	7.806	49	14246	5.967	ug/l	95
29) Tetrahydrofuran	7.841	42	37437	26.453	ug/l	99
30) Chloroform	7.965	83	28901	5.225	ug/l	98
31) Cyclohexane	8.253	56	33730	6.122	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	25387	5.365	ug/l	89
36) 1,1-Dichloropropene	8.371	75	21310	5.270	ug/l	100
37) Ethyl Acetate	7.559	43	22206	5.216	ug/l	99
38) Carbon Tetrachloride	8.359	117	20544	5.335	ug/l	92
39) Methylcyclohexane	9.594	83	25242	5.251	ug/l	99
40) Benzene	8.600	78	67406	5.202	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	12454	5.047	ug/l		95
42) 1,2-Dichloroethane	8.671	62	21638	5.237	ug/l		100
43) Isopropyl Acetate	8.682	43	55105	5.444	ug/l	#	90
44) Trichloroethene	9.353	130	15562	5.067	ug/l		95
45) 1,2-Dichloropropane	9.618	63	16719	5.272	ug/l		94
46) Dibromomethane	9.706	93	10633	5.262	ug/l		97
47) Bromodichloromethane	9.888	83	23118	5.297	ug/l		95
48) Methyl methacrylate	9.682	41	19018	5.087	ug/l		98
49) 1,4-Dioxane	9.688	88	6722	105.699	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	113773	26.097	ug/l		100
52) Toluene	10.624	92	42032	5.199	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	25020	5.136	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	27737	5.183	ug/l		95
55) 1,1,2-Trichloroethane	11.018	97	15559	5.349	ug/l		98
56) Ethyl methacrylate	10.871	69	28102	5.256	ug/l		97
57) 1,3-Dichloropropane	11.159	76	26905	5.213	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	77113	30.387	ug/l		100
59) 2-Hexanone	11.194	43	84443	26.113	ug/l		99
60) Dibromochloromethane	11.359	129	16611	5.201	ug/l		100
61) 1,2-Dibromoethane	11.471	107	14929	5.087	ug/l		97
64) Tetrachloroethene	11.100	164	14998	5.188	ug/l		96
65) Chlorobenzene	11.888	112	44164	5.265	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	14896	5.383	ug/l		98
67) Ethyl Benzene	11.959	91	79376	5.244	ug/l		97
68) m/p-Xylenes	12.071	106	59758	10.537	ug/l		99
69) o-Xylene	12.394	106	29751	5.305	ug/l		98
70) Styrene	12.406	104	48407	5.180	ug/l		99
71) Bromoform	12.576	173	11065	5.311	ug/l	#	97
73) Isopropylbenzene	12.694	105	71658	5.221	ug/l		100
74) N-amyl acetate	12.488	43	35409	5.182	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	21720	5.503	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	19196m	4.870	ug/l		
77) Bromobenzene	12.976	156	15681	5.156	ug/l		93
78) n-propylbenzene	13.035	91	85101	5.261	ug/l		99
79) 2-Chlorotoluene	13.123	91	54490	5.384	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	59035	5.255	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	8832m	5.357	ug/l		
82) 4-Chlorotoluene	13.217	91	52887	5.260	ug/l		99
83) tert-Butylbenzene	13.435	119	51302	5.270	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	61145	5.347	ug/l		98
85) sec-Butylbenzene	13.612	105	72305	5.355	ug/l		99
86) p-Isopropyltoluene	13.723	119	58514	5.258	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	30570	5.347	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	30447	5.287	ug/l		94
89) n-Butylbenzene	14.053	91	50562	5.126	ug/l		99
90) Hexachloroethane	14.329	117	9832	5.252	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	30546	5.511	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4593	5.772	ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	14506	5.465	ug/l		99
94) Hexachlorobutadiene	15.500	225	5680	5.669	ug/l		97
95) Naphthalene	15.641	128	49586	5.270	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	13599	5.412	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

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

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

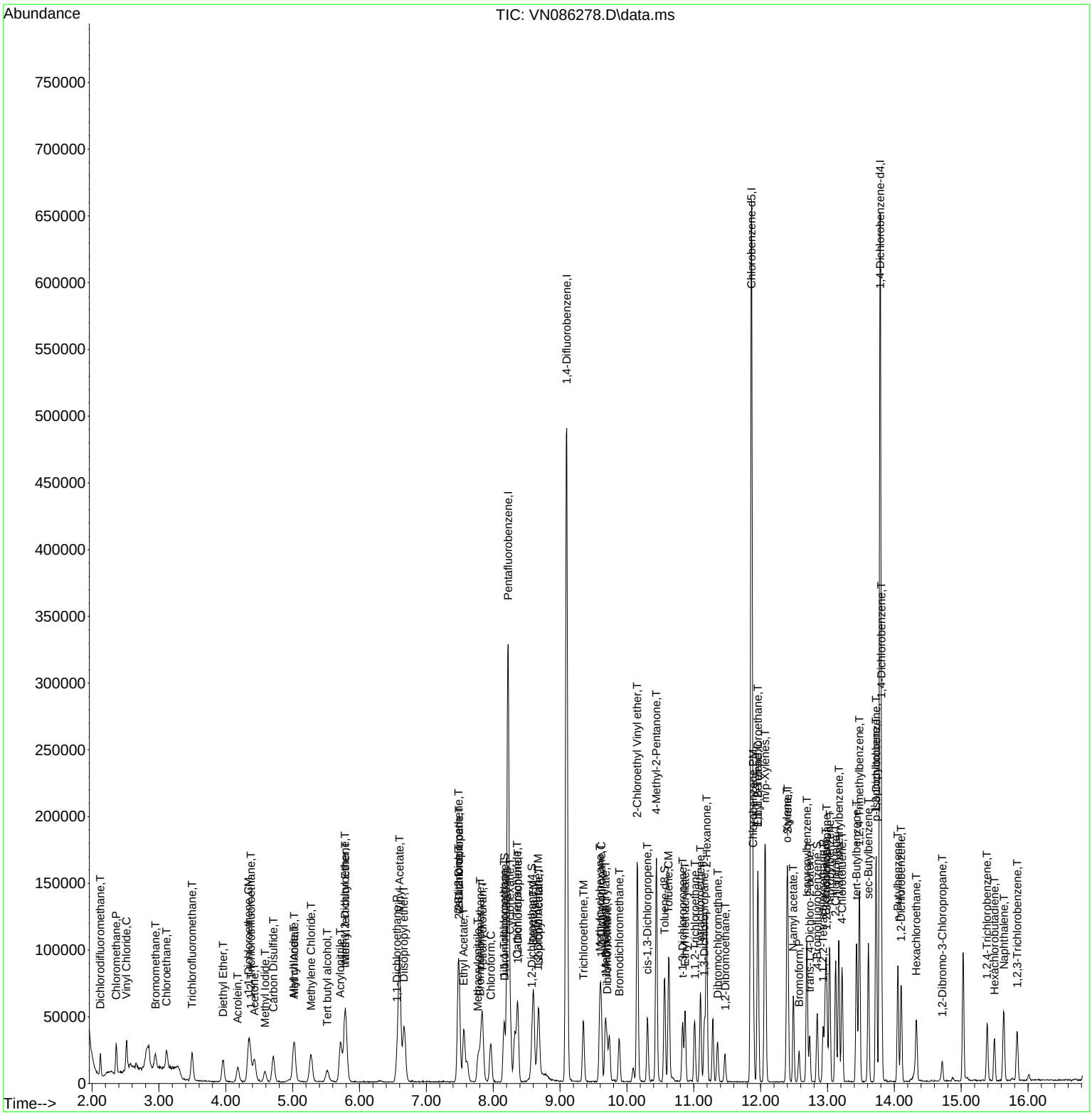
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	253576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	468933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	411009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	37770	10.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.540%#		
35) Dibromofluoromethane	8.159	113	23907	10.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	21.960%#		
50) Toluene-d8	10.565	98	120121	10.327	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.660%#		
62) 4-Bromofluorobenzene	12.847	95	42791	10.086	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	20.180%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	29521	9.821	ug/l	96
3) Chloromethane	2.359	50	39728	9.094	ug/l	94
4) Vinyl Chloride	2.518	62	39819	9.551	ug/l	99
5) Bromomethane	2.965	94	18776	10.013	ug/l	87
6) Chloroethane	3.124	64	26337	9.439	ug/l	92
7) Trichlorofluoromethane	3.506	101	43539	9.428	ug/l	99
8) Diethyl Ether	3.959	74	19000	9.425	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	26478	9.478	ug/l	99
10) Methyl Iodide	4.589	142	28586	9.308	ug/l	98
11) Tert butyl alcohol	5.506	59	34343	51.188	ug/l	99
12) 1,1-Dichloroethene	4.342	96	28022	9.389	ug/l	90
13) Acrolein	4.183	56	17703	44.165	ug/l	99
14) Allyl chloride	5.024	41	48555m	9.157	ug/l	
15) Acrylonitrile	5.718	53	78184	47.141	ug/l	97
16) Acetone	4.430	43	63789	45.485	ug/l	99
17) Carbon Disulfide	4.712	76	81234	9.090	ug/l	99
18) Methyl Acetate	5.024	43	41546	9.413	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	102069	9.304	ug/l	95
20) Methylene Chloride	5.277	84	31218	9.183	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	28271	9.060	ug/l	99
22) Diisopropyl ether	6.671	45	106867	9.259	ug/l	97
23) Vinyl Acetate	6.600	43	386388	47.903	ug/l	100
24) 1,1-Dichloroethane	6.571	63	56906	9.345	ug/l	96
25) 2-Butanone	7.477	43	106429	46.500	ug/l	98
26) 2,2-Dichloropropane	7.488	77	51934	9.525	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	35180	9.084	ug/l	99
28) Bromochloromethane	7.806	49	22094	8.557	ug/l	98
29) Tetrahydrofuran	7.835	42	72642	47.462	ug/l	100
30) Chloroform	7.965	83	56896	9.511	ug/l	95
31) Cyclohexane	8.253	56	57797	9.699	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	48313	9.441	ug/l	93
36) 1,1-Dichloropropene	8.371	75	39999	9.202	ug/l	98
37) Ethyl Acetate	7.559	43	42951	9.385	ug/l	99
38) Carbon Tetrachloride	8.359	117	38345	9.263	ug/l	99
39) Methylcyclohexane	9.594	83	48076	9.305	ug/l	98
40) Benzene	8.606	78	130256	9.352	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	26058	9.824	ug/l		98
42) 1,2-Dichloroethane	8.671	62	41980	9.452	ug/l		100
43) Isopropyl Acetate	8.682	43	90916	9.381	ug/l		95
44) Trichloroethene	9.347	130	31281	9.476	ug/l		94
45) 1,2-Dichloropropane	9.618	63	33270	9.759	ug/l		98
46) Dibromomethane	9.706	93	20677	9.519	ug/l		97
47) Bromodichloromethane	9.882	83	44773	9.543	ug/l		97
48) Methyl methacrylate	9.676	41	37900	9.430	ug/l		98
49) 1,4-Dioxane	9.688	88	13198	193.063	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	224548	47.916	ug/l		98
52) Toluene	10.623	92	81084	9.330	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	49510	9.454	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	54411	9.459	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	29512	9.439	ug/l		93
56) Ethyl methacrylate	10.871	69	54203	9.431	ug/l		98
57) 1,3-Dichloropropane	11.159	76	53151	9.581	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	113279	41.526	ug/l		99
59) 2-Hexanone	11.194	43	166643	47.941	ug/l		100
60) Dibromochloromethane	11.353	129	33195	9.668	ug/l		98
61) 1,2-Dibromoethane	11.465	107	29886	9.473	ug/l		99
64) Tetrachloroethene	11.100	164	29467	9.321	ug/l		99
65) Chlorobenzene	11.888	112	86997	9.485	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	28657	9.471	ug/l		97
67) Ethyl Benzene	11.959	91	153929	9.300	ug/l		99
68) m/p-Xylenes	12.065	106	115926	18.692	ug/l		99
69) o-Xylene	12.394	106	58314	9.508	ug/l		99
70) Styrene	12.406	104	95045	9.301	ug/l		100
71) Bromoform	12.576	173	21240	9.323	ug/l	#	100
73) Isopropylbenzene	12.694	105	142461	9.757	ug/l		100
74) N-amyl acetate	12.488	43	67074	9.228	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	42167	10.045	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	41148m	9.813	ug/l		
77) Bromobenzene	12.976	156	32305	9.986	ug/l		99
78) n-propylbenzene	13.035	91	165250	9.605	ug/l		99
79) 2-Chlorotoluene	13.123	91	103789	9.641	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	113458	9.494	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	17595	10.033	ug/l		92
82) 4-Chlorotoluene	13.217	91	101784	9.518	ug/l		99
83) tert-Butylbenzene	13.435	119	99779	9.636	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	116448	9.573	ug/l		99
85) sec-Butylbenzene	13.612	105	139108	9.686	ug/l		99
86) p-Isopropyltoluene	13.729	119	113316	9.572	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	57753	9.497	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	57656	9.412	ug/l		98
89) n-Butylbenzene	14.053	91	98010	9.340	ug/l		99
90) Hexachloroethane	14.329	117	18922	9.503	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	55856	9.473	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8165	9.646	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	26050	9.227	ug/l		99
94) Hexachlorobutadiene	15.494	225	10205	9.575	ug/l		97
95) Naphthalene	15.635	128	92844	9.277	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	24879	9.308	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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

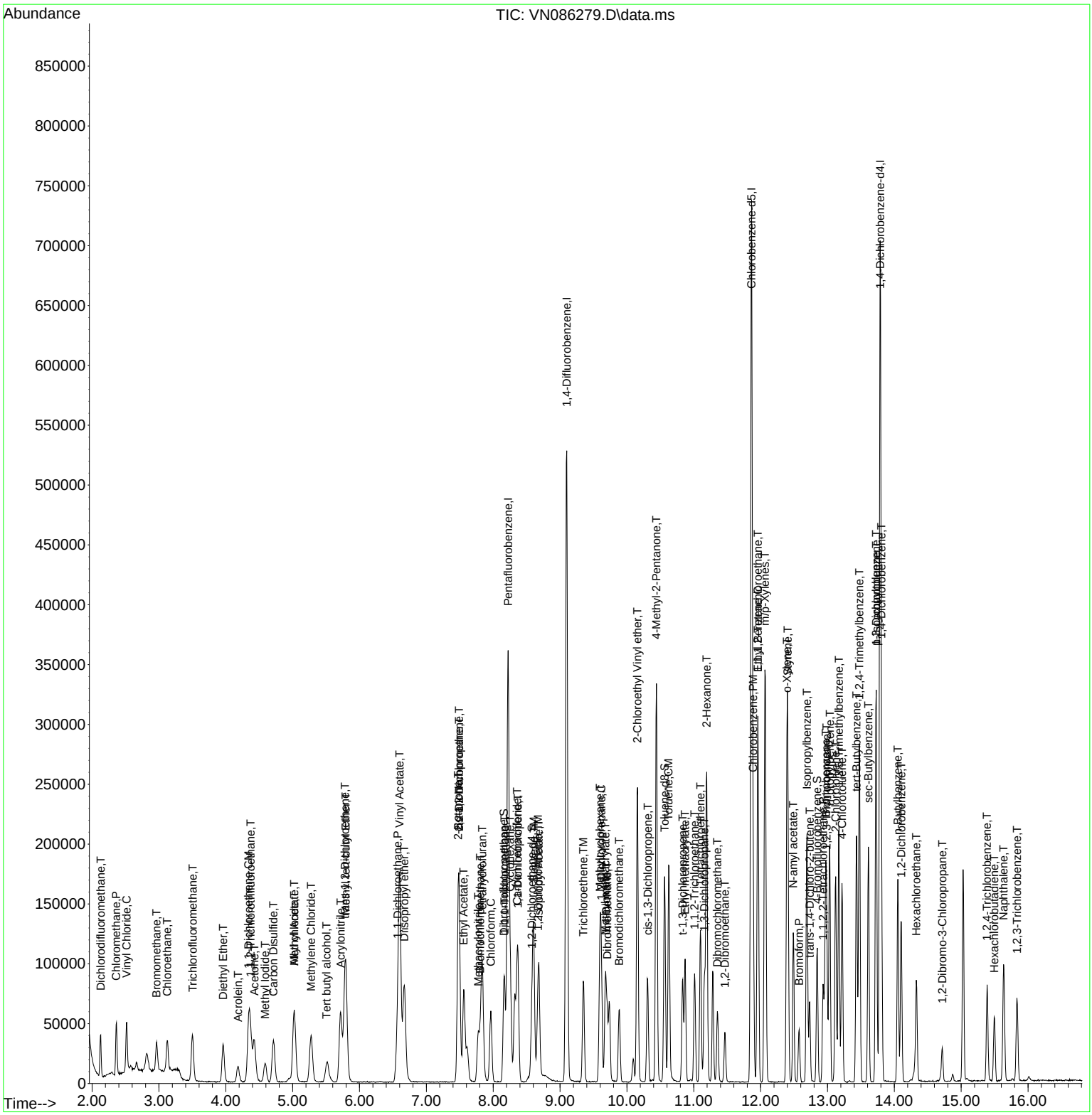
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	217195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	404366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	61458	19.513	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.020%#		
35) Dibromofluoromethane	8.165	113	37195	19.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.640%#		
50) Toluene-d8	10.565	98	191691	19.112	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.220%#		
62) 4-Bromofluorobenzene	12.847	95	68030	18.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.200%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	54177	21.042	ug/l	99
3) Chloromethane	2.359	50	71193	19.026	ug/l	98
4) Vinyl Chloride	2.518	62	73472	20.576	ug/l	99
5) Bromomethane	2.959	94	34343	21.382	ug/l	98
6) Chloroethane	3.124	64	47157	19.732	ug/l	99
7) Trichlorofluoromethane	3.501	101	80568	20.369	ug/l	98
8) Diethyl Ether	3.959	74	36034	20.868	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	49252	20.584	ug/l	99
10) Methyl Iodide	4.589	142	55289	21.017	ug/l	99
11) Tert butyl alcohol	5.512	59	61718	107.400	ug/l	97
12) 1,1-Dichloroethene	4.348	96	51127	20.000	ug/l	98
13) Acrolein	4.183	56	28121	95.627	ug/l	99
14) Allyl chloride	5.024	41	89076	19.612	ug/l	99
15) Acrylonitrile	5.712	53	148850	104.781	ug/l	100
16) Acetone	4.424	43	122726	109.479	ug/l	98
17) Carbon Disulfide	4.712	76	149518	19.534	ug/l	100
18) Methyl Acetate	5.024	43	75070	19.857	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	191056	20.332	ug/l	97
20) Methylene Chloride	5.277	84	58230	19.999	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	53894	20.165	ug/l	99
22) Diisopropyl ether	6.671	45	196831	19.911	ug/l	98
23) Vinyl Acetate	6.600	43	713534m	103.278	ug/l	
24) 1,1-Dichloroethane	6.565	63	104777	20.087	ug/l	99
25) 2-Butanone	7.477	43	202298	103.191	ug/l	99
26) 2,2-Dichloropropane	7.489	77	94147	20.159	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	66347	20.001	ug/l	99
28) Bromochloromethane	7.812	49	40391	18.263	ug/l	100
29) Tetrahydrofuran	7.836	42	136348	104.008	ug/l	99
30) Chloroform	7.965	83	103881	20.274	ug/l	100
31) Cyclohexane	8.253	56	101546	19.895	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	89173	20.344	ug/l	97
36) 1,1-Dichloropropene	8.365	75	75426	20.122	ug/l	99
37) Ethyl Acetate	7.553	43	79383	20.115	ug/l	99
38) Carbon Tetrachloride	8.359	117	72704	20.367	ug/l	99
39) Methylcyclohexane	9.594	83	88728	19.915	ug/l	98
40) Benzene	8.600	78	243918	20.310	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	45760	20.007	ug/l		100
42) 1,2-Dichloroethane	8.665	62	77932	20.348	ug/l		100
43) Isopropyl Acetate	8.683	43	157753	20.921	ug/l		99
44) Trichloroethene	9.353	130	56926	19.998	ug/l		99
45) 1,2-Dichloropropane	9.618	63	59599	20.273	ug/l		98
46) Dibromomethane	9.706	93	38601	20.608	ug/l		98
47) Bromodichloromethane	9.888	83	82517	20.397	ug/l		98
48) Methyl methacrylate	9.677	41	69986	20.195	ug/l		99
49) 1,4-Dioxane	9.694	88	24362	413.277	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	421471	104.297	ug/l		100
52) Toluene	10.630	92	152248	20.317	ug/l		99
53) t-1,3-Dichloropropene	10.830	75	92441	20.470	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	100415	20.245	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	53630	19.891	ug/l		97
56) Ethyl methacrylate	10.871	69	100712	20.321	ug/l		99
57) 1,3-Dichloropropane	11.159	76	97363	20.353	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	222766	94.702	ug/l		100
59) 2-Hexanone	11.194	43	309954	103.408	ug/l		100
60) Dibromochloromethane	11.359	129	60596	20.467	ug/l		100
61) 1,2-Dibromoethane	11.465	107	56679	20.834	ug/l		99
64) Tetrachloroethene	11.100	164	55481	20.282	ug/l		97
65) Chlorobenzene	11.888	112	158917	20.024	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	52389	20.010	ug/l		98
67) Ethyl Benzene	11.959	91	288483	20.144	ug/l		99
68) m/p-Xylenes	12.071	106	215301	40.122	ug/l		99
69) o-Xylene	12.394	106	107161	20.193	ug/l		99
70) Styrene	12.406	104	177099	20.029	ug/l		99
71) Bromoform	12.576	173	39697	20.138	ug/l	#	98
73) Isopropylbenzene	12.694	105	264607	20.443	ug/l		99
74) N-amyl acetate	12.488	43	126575	19.643	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	76740	20.620	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	74829m	20.130	ug/l		
77) Bromobenzene	12.976	156	59889	20.882	ug/l		99
78) n-propylbenzene	13.029	91	307737	20.176	ug/l		100
79) 2-Chlorotoluene	13.124	91	193569	20.281	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	216364	20.423	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	31256m	20.104	ug/l		
82) 4-Chlorotoluene	13.218	91	192849	20.341	ug/l		99
83) tert-Butylbenzene	13.435	119	182683	19.901	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	217135	20.135	ug/l		100
85) sec-Butylbenzene	13.612	105	252593	19.838	ug/l		99
86) p-Isopropyltoluene	13.723	119	208256	19.844	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	107491	19.938	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	108412	19.964	ug/l		99
89) n-Butylbenzene	14.053	91	184852	19.871	ug/l		99
90) Hexachloroethane	14.329	117	35250	19.968	ug/l		95
91) 1,2-Dichlorobenzene	14.100	146	104185	19.932	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15863	21.139	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	50179	20.048	ug/l		99
94) Hexachlorobutadiene	15.494	225	19024	20.135	ug/l		99
95) Naphthalene	15.635	128	183816	20.717	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	47425	20.013	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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

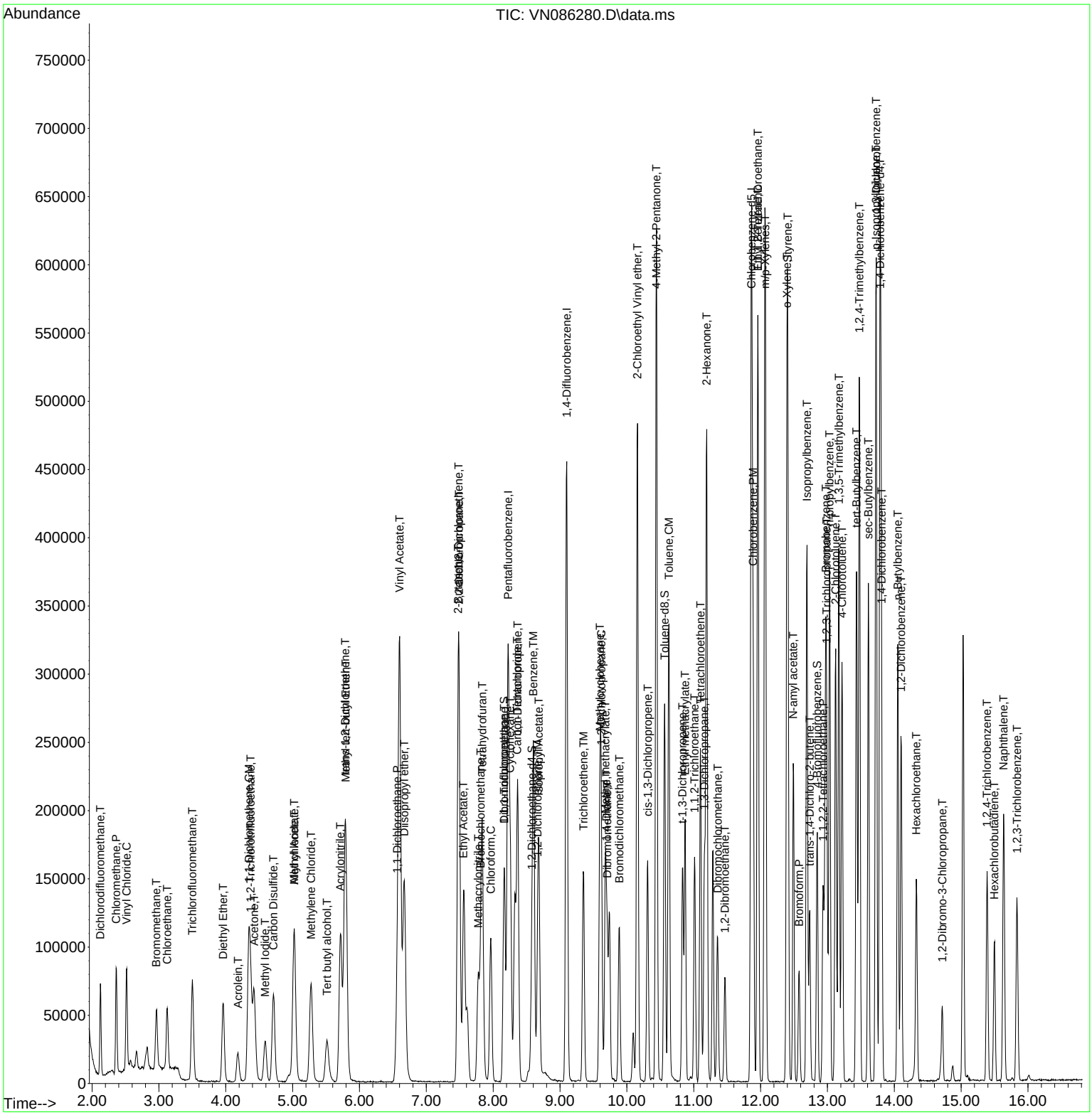
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	223468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	413969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	367304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160758	49.609	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.220%			
35) Dibromofluoromethane	8.165	113	88836	46.238	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.480%			
50) Toluene-d8	10.565	98	517785	50.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.847	95	190049	50.744	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	132017	49.836	ug/l	100
3) Chloromethane	2.359	50	168565	43.783	ug/l	100
4) Vinyl Chloride	2.518	62	176686	48.092	ug/l	100
5) Bromomethane	2.953	94	79546	48.135	ug/l	100
6) Chloroethane	3.118	64	111725	45.437	ug/l	100
7) Trichlorofluoromethane	3.501	101	192876	47.395	ug/l	100
8) Diethyl Ether	3.959	74	83664	47.092	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	117478	47.719	ug/l	100
10) Methyl Iodide	4.589	142	133779	49.427	ug/l	100
11) Tert butyl alcohol	5.512	59	138743	234.659	ug/l	100
12) 1,1-Dichloroethene	4.342	96	123106	46.805	ug/l	100
13) Acrolein	4.177	56	68075	246.717	ug/l	100
14) Allyl chloride	5.024	41	207525	44.409	ug/l	100
15) Acrylonitrile	5.712	53	354632	242.632	ug/l	100
16) Acetone	4.424	43	280935	250.761	ug/l	100
17) Carbon Disulfide	4.712	76	348133	44.205	ug/l	100
18) Methyl Acetate	5.018	43	174600	44.886	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	449127	46.453	ug/l	100
20) Methylene Chloride	5.271	84	138293	46.163	ug/l	100
21) trans-1,2-Dichloroethene	5.789	96	128404	46.696	ug/l	100
22) Diisopropyl ether	6.665	45	471385	46.345	ug/l	100
23) Vinyl Acetate	6.600	43	1657348	233.153	ug/l	100
24) 1,1-Dichloroethane	6.565	63	253896	47.310	ug/l	100
25) 2-Butanone	7.477	43	475281	235.633	ug/l	100
26) 2,2-Dichloropropane	7.483	77	219735	45.729	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	159460	46.722	ug/l	100
28) Bromochloromethane	7.806	49	110726	48.660	ug/l	100
29) Tetrahydrofuran	7.836	42	313920	232.739	ug/l	100
30) Chloroform	7.965	83	246843	46.823	ug/l	100
31) Cyclohexane	8.253	56	238117	45.343	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	212021	47.013	ug/l	100
36) 1,1-Dichloropropene	8.365	75	183246	47.752	ug/l	100
37) Ethyl Acetate	7.553	43	184834	45.750	ug/l	100
38) Carbon Tetrachloride	8.359	117	175094	47.912	ug/l	100
39) Methylcyclohexane	9.594	83	216725	47.515	ug/l	100
40) Benzene	8.600	78	583316	47.443	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	109214	46.643 ug/l		100
42) 1,2-Dichloroethane	8.665	62	183854	46.892 ug/l		100
43) Isopropyl Acetate	8.683	43	358327	49.550 ug/l		100
44) Trichloroethene	9.347	130	139993	48.039 ug/l		100
45) 1,2-Dichloropropane	9.618	63	144496	48.011 ug/l		100
46) Dibromomethane	9.706	93	93965	49.002 ug/l		100
47) Bromodichloromethane	9.882	83	196793	47.516 ug/l		100
48) Methyl methacrylate	9.677	41	163719	46.146 ug/l		100
49) 1,4-Dioxane	9.694	88	53851	892.337 ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	1000994	241.959 ug/l		100
52) Toluene	10.629	92	369349	48.144 ug/l		100
53) t-1,3-Dichloropropene	10.829	75	226518	48.996 ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	238764	47.021 ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	131721	47.721 ug/l		100
56) Ethyl methacrylate	10.871	69	239654	47.235 ug/l		100
57) 1,3-Dichloropropane	11.159	76	233548	47.689 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	594475	246.859 ug/l		100
59) 2-Hexanone	11.194	43	734660	239.414 ug/l		100
60) Dibromochloromethane	11.359	129	146318	48.274 ug/l		100
61) 1,2-Dibromoethane	11.465	107	134281	48.213 ug/l		100
64) Tetrachloroethene	11.100	164	136116	48.177 ug/l		100
65) Chlorobenzene	11.888	112	385849	47.072 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	127627	47.197 ug/l		100
67) Ethyl Benzene	11.959	91	704474	47.627 ug/l		100
68) m/p-Xylenes	12.065	106	533742	96.302 ug/l		100
69) o-Xylene	12.394	106	261904	47.783 ug/l		100
70) Styrene	12.406	104	447486	48.998 ug/l		100
71) Bromoform	12.576	173	95822	47.065 ug/l	#	100
73) Isopropylbenzene	12.694	105	647490	45.568 ug/l		100
74) N-amyl acetate	12.488	43	308916	43.670 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	179865	44.025 ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	181010m	44.357 ug/l		
77) Bromobenzene	12.976	156	147720	46.919 ug/l		100
78) n-propylbenzene	13.035	91	779530	46.556 ug/l		100
79) 2-Chlorotoluene	13.123	91	479235	45.740 ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	535465	46.042 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	80078m	46.919 ug/l		
82) 4-Chlorotoluene	13.218	91	488049	46.893 ug/l		100
83) tert-Butylbenzene	13.435	119	452999	44.954 ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	550727	46.521 ug/l		100
85) sec-Butylbenzene	13.612	105	653679	46.767 ug/l		100
86) p-Isopropyltoluene	13.723	119	548528	47.611 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	279645	47.249 ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	280378	47.032 ug/l		100
89) n-Butylbenzene	14.053	91	492941	48.271 ug/l		100
90) Hexachloroethane	14.329	117	90009	46.447 ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	270731	47.181 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	38625	46.887 ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	132919	48.375 ug/l		100
94) Hexachlorobutadiene	15.500	225	48694	46.947 ug/l		100
95) Naphthalene	15.635	128	464685	47.708 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	122910	47.249 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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

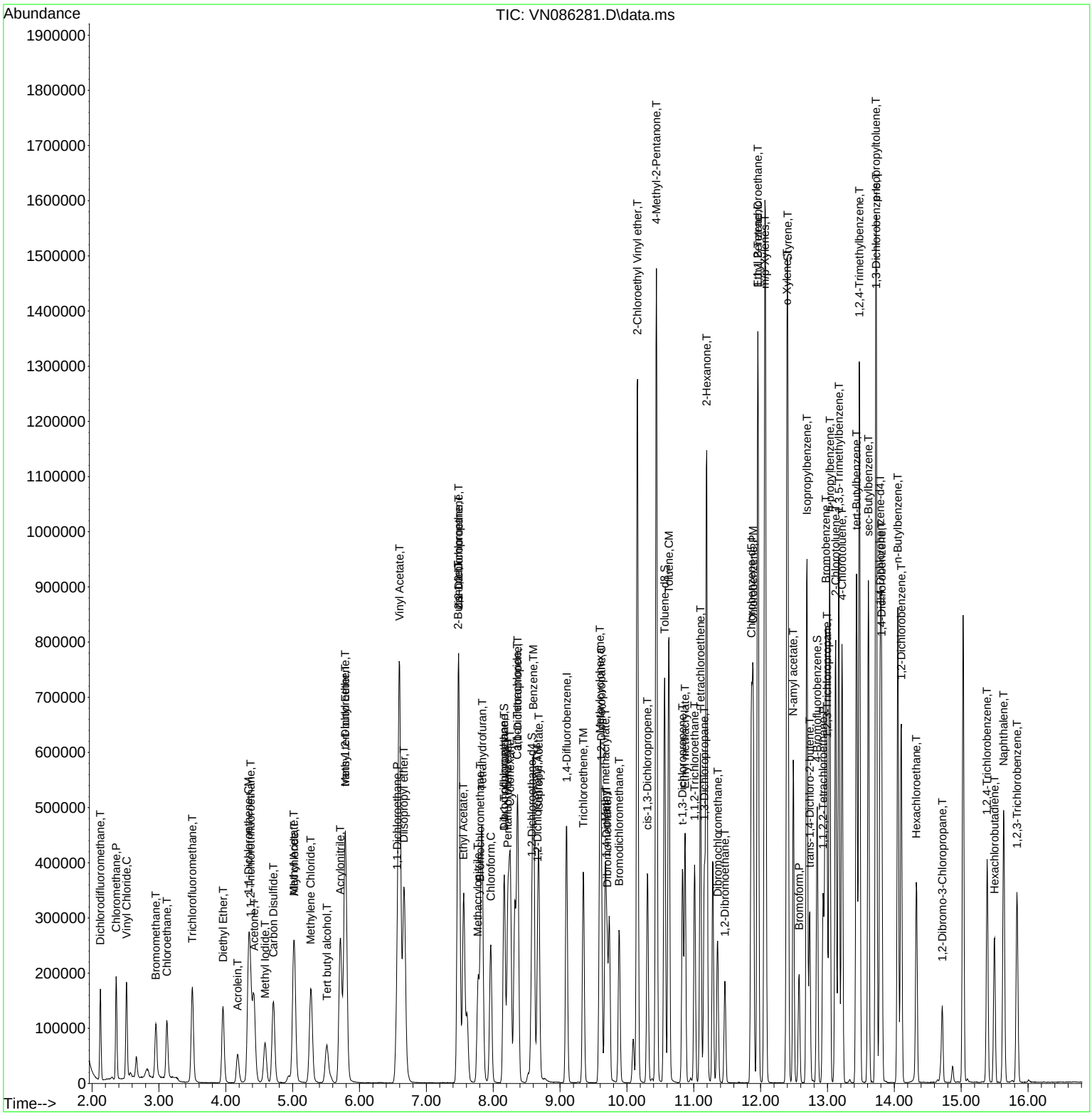
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	228089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	422902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	322920	97.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 195.260%#			
35) Dibromofluoromethane	8.165	113	163696	83.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 166.800%#			
50) Toluene-d8	10.565	98	1046538	99.767	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.540%#			
62) 4-Bromofluorobenzene	12.847	95	394671	103.153	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	270450	100.025	ug/l	100
3) Chloromethane	2.359	50	362586	92.270	ug/l	99
4) Vinyl Chloride	2.512	62	359654	95.910	ug/l	99
5) Bromomethane	2.930	94	157044	93.105	ug/l	99
6) Chloroethane	3.106	64	232218	92.528	ug/l	98
7) Trichlorofluoromethane	3.494	101	398967	96.050	ug/l	97
8) Diethyl Ether	3.959	74	172130	94.924	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	242697	96.585	ug/l	99
10) Methyl Iodide	4.583	142	287740	104.156	ug/l	99
11) Tert butyl alcohol	5.518	59	262412	434.831	ug/l	99
12) 1,1-Dichloroethene	4.336	96	254035	94.627	ug/l	97
13) Acrolein	4.171	56	137131	502.553	ug/l	97
14) Allyl chloride	5.018	41	435112	91.225	ug/l	98
15) Acrylonitrile	5.712	53	713644	478.368	ug/l	99
16) Acetone	4.424	43	563323	498.290	ug/l	99
17) Carbon Disulfide	4.712	76	685619	85.294	ug/l	99
18) Methyl Acetate	5.018	43	374831	94.410	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	918634	93.089	ug/l	99
20) Methylene Chloride	5.271	84	286733	93.774	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	264504	94.241	ug/l	100
22) Diisopropyl ether	6.665	45	970652	93.497	ug/l	99
23) Vinyl Acetate	6.600	43	3184505	438.915	ug/l	99
24) 1,1-Dichloroethane	6.565	63	525385	95.914	ug/l	100
25) 2-Butanone	7.477	43	958217	465.437	ug/l	99
26) 2,2-Dichloropropane	7.488	77	470852	96.005	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	328329	94.252	ug/l	100
28) Bromochloromethane	7.812	49	230762	99.357	ug/l	99
29) Tetrahydrofuran	7.835	42	623822	453.130	ug/l	100
30) Chloroform	7.959	83	503712	93.611	ug/l	100
31) Cyclohexane	8.253	56	484648	90.418	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	432964	94.058	ug/l	97
36) 1,1-Dichloropropene	8.365	75	378663	96.591	ug/l	100
37) Ethyl Acetate	7.553	43	371298	89.962	ug/l	100
38) Carbon Tetrachloride	8.359	117	360081	96.450	ug/l	99
39) Methylcyclohexane	9.600	83	448842	96.325	ug/l	98
40) Benzene	8.600	78	1193479	95.020	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	219337	91.695	ug/l		100
42) 1,2-Dichloroethane	8.665	62	377081	94.143	ug/l		99
43) Isopropyl Acetate	8.682	43	704184	100.085	ug/l		100
44) Trichloroethene	9.347	130	288832	97.020	ug/l		98
45) 1,2-Dichloropropane	9.618	63	293625	95.501	ug/l		99
46) Dibromomethane	9.706	93	191324	97.667	ug/l		100
47) Bromodichloromethane	9.882	83	403514	95.372	ug/l		97
48) Methyl methacrylate	9.676	41	326384	90.052	ug/l		98
49) 1,4-Dioxane	9.688	88	98711	1601.137	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	1989761	470.803	ug/l		99
52) Toluene	10.629	92	757019	96.592	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	468739	99.248	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	496721	95.755	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	264481	93.795	ug/l		97
56) Ethyl methacrylate	10.870	69	494791	95.461	ug/l		100
57) 1,3-Dichloropropane	11.159	76	482562	96.455	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	1242387	505.011	ug/l		99
59) 2-Hexanone	11.194	43	1476474	470.996	ug/l		100
60) Dibromochloromethane	11.359	129	301498	97.371	ug/l		100
61) 1,2-Dibromoethane	11.465	107	273587	96.156	ug/l		100
64) Tetrachloroethene	11.100	164	281669	96.294	ug/l		97
65) Chlorobenzene	11.888	112	805194	94.881	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	264532	94.488	ug/l		100
67) Ethyl Benzene	11.959	91	1476238	96.398	ug/l		100
68) m/p-Xylenes	12.070	106	1117098	194.681	ug/l		98
69) o-Xylene	12.394	106	546019	96.221	ug/l		99
70) Styrene	12.406	104	947293	100.188	ug/l		100
71) Bromoform	12.576	173	201110	95.410	ug/l	#	99
73) Isopropylbenzene	12.694	105	1351009	90.597	ug/l		100
74) N-amyl acetate	12.488	43	641647	86.431	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	359278	83.793	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	379247m	88.555	ug/l		
77) Bromobenzene	12.976	156	303696	91.913	ug/l		98
78) n-propylbenzene	13.035	91	1640989	93.386	ug/l		99
79) 2-Chlorotoluene	13.123	91	1000943	91.031	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	1125981	92.254	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	175887m	98.197	ug/l		
82) 4-Chlorotoluene	13.217	91	1025113	93.852	ug/l		99
83) tert-Butylbenzene	13.435	119	975268	92.219	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	1150791	92.628	ug/l		100
85) sec-Butylbenzene	13.611	105	1359583	92.684	ug/l		99
86) p-Isopropyltoluene	13.723	119	1161224	96.040	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	586366	94.402	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	582329	93.077	ug/l		100
89) n-Butylbenzene	14.053	91	1061099	99.009	ug/l		99
90) Hexachloroethane	14.329	117	196292	96.516	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	547527	90.920	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	77795	89.984	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	281040	97.461	ug/l		100
94) Hexachlorobutadiene	15.500	225	101506	93.251	ug/l		99
95) Naphthalene	15.635	128	975079	95.390	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	258567	94.712	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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

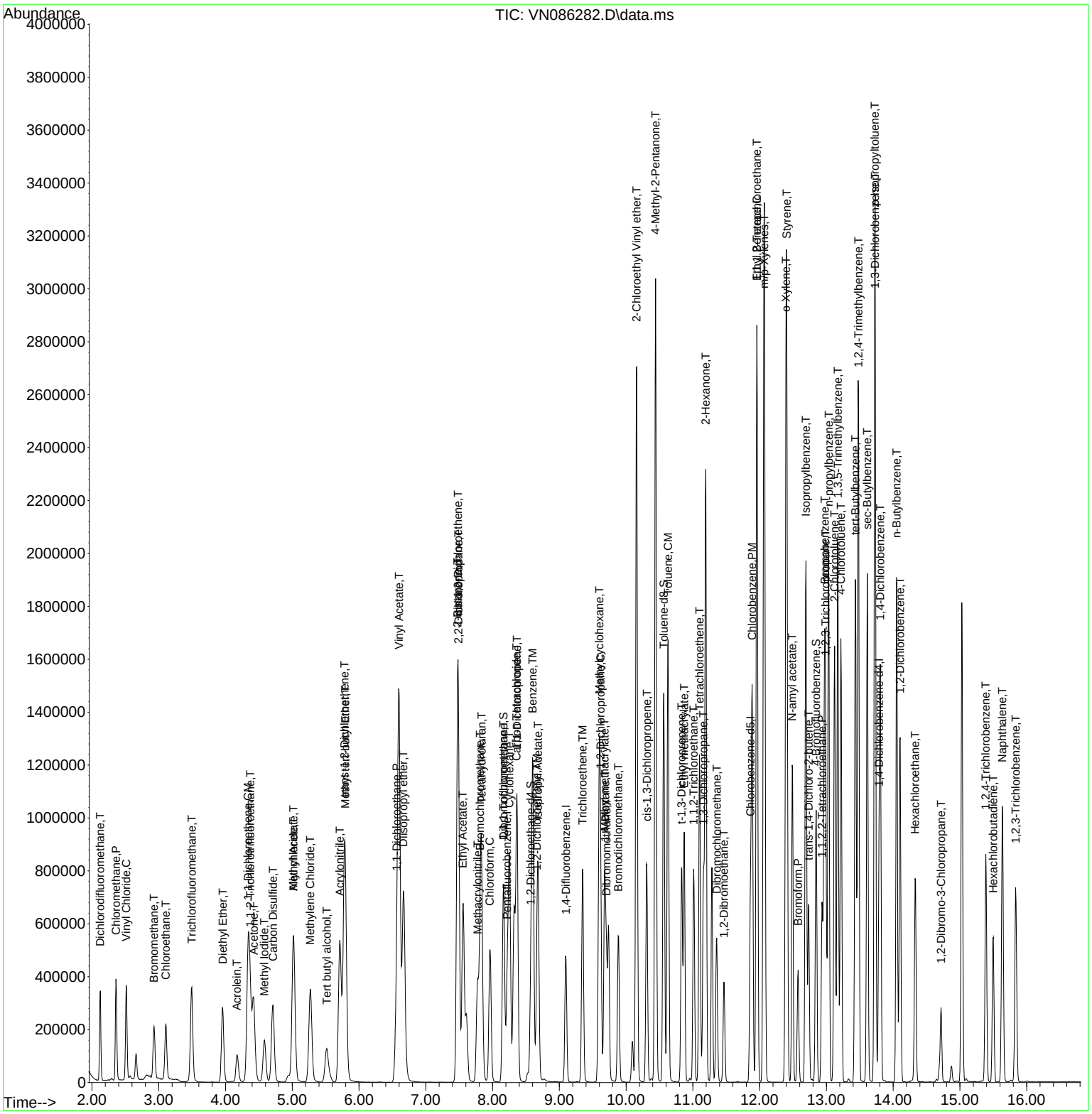
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	232806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	435528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	384601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	169181	50.114	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.220%			
35) Dibromofluoromethane	8.165	113	96752	47.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	10.565	98	542858	50.251	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.847	95	196820	49.950	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	138594	50.220	ug/l	100
3) Chloromethane	2.359	50	185786	46.321	ug/l	99
4) Vinyl Chloride	2.518	62	183873	48.040	ug/l	98
5) Bromomethane	2.953	94	88943	51.662	ug/l	98
6) Chloroethane	3.118	64	119261	46.557	ug/l	99
7) Trichlorofluoromethane	3.500	101	203630	48.030	ug/l	96
8) Diethyl Ether	3.959	74	88034	47.564	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	124024	48.357	ug/l	99
10) Methyl Iodide	4.589	142	148899	52.806	ug/l	98
11) Tert butyl alcohol	5.512	59	143880	233.586	ug/l	99
12) 1,1-Dichloroethene	4.336	96	129546	47.278	ug/l	98
13) Acrolein	4.177	56	72276	251.743	ug/l	99
14) Allyl chloride	5.024	41	220559	45.280	ug/l	99
15) Acrylonitrile	5.712	53	372009	244.312	ug/l	99
16) Acetone	4.424	43	297097	254.646	ug/l	100
17) Carbon Disulfide	4.712	76	360863	43.983	ug/l	99
18) Methyl Acetate	5.018	43	184731	45.586	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	474584	47.117	ug/l	99
20) Methylene Chloride	5.271	84	145872	46.740	ug/l	100
21) trans-1,2-Dichloroethene	5.788	96	134526	46.960	ug/l	99
22) Diisopropyl ether	6.665	45	491946	46.426	ug/l	98
23) Vinyl Acetate	6.600	43	1738360	234.680	ug/l	100
24) 1,1-Dichloroethane	6.565	63	264324	47.277	ug/l	99
25) 2-Butanone	7.477	43	501652	238.732	ug/l	98
26) 2,2-Dichloropropane	7.488	77	233882	46.721	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	167485	47.105	ug/l	98
28) Bromochloromethane	7.812	49	113893	48.044	ug/l	100
29) Tetrahydrofuran	7.835	42	326414	232.296	ug/l	100
30) Chloroform	7.959	83	258393	47.047	ug/l	99
31) Cyclohexane	8.253	56	247077	45.162	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	222630	47.385	ug/l	97
36) 1,1-Dichloropropene	8.371	75	191295	47.382	ug/l	100
37) Ethyl Acetate	7.553	43	195455	45.984	ug/l	100
38) Carbon Tetrachloride	8.359	117	182531	47.475	ug/l	98
39) Methylcyclohexane	9.594	83	220275	45.902	ug/l	97
40) Benzene	8.600	78	610128	47.168	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	113052	45.892	ug/l		98
42) 1,2-Dichloroethane	8.665	62	195922	47.496	ug/l		100
43) Isopropyl Acetate	8.682	43	370579	48.649	ug/l		100
44) Trichloroethene	9.347	130	145334	47.403	ug/l		99
45) 1,2-Dichloropropane	9.618	63	149775	47.302	ug/l		98
46) Dibromomethane	9.706	93	98395	48.772	ug/l		100
47) Bromodichloromethane	9.882	83	207763	47.682	ug/l		99
48) Methyl methacrylate	9.676	41	170007	45.546	ug/l		98
49) 1,4-Dioxane	9.688	88	59040	929.893	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	1036849	238.220	ug/l		99
52) Toluene	10.629	92	383010	47.453	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	235221	48.360	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	250676	46.923	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	136227	46.911	ug/l		97
56) Ethyl methacrylate	10.871	69	253092	47.414	ug/l		99
57) 1,3-Dichloropropane	11.159	76	246129	47.770	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	612932	241.924	ug/l		99
59) 2-Hexanone	11.188	43	759846	235.364	ug/l		99
60) Dibromochloromethane	11.353	129	152321	47.767	ug/l		99
61) 1,2-Dibromoethane	11.465	107	139994	47.777	ug/l		100
64) Tetrachloroethene	11.100	164	140342	47.439	ug/l		99
65) Chlorobenzene	11.888	112	401122	46.735	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	133755	47.238	ug/l		99
67) Ethyl Benzene	11.959	91	730984	47.196	ug/l		100
68) m/p-Xylenes	12.070	106	551289	94.994	ug/l		100
69) o-Xylene	12.394	106	269992	47.043	ug/l		100
70) Styrene	12.406	104	460331	48.138	ug/l		100
71) Bromoform	12.576	173	101548	47.634	ug/l	#	98
73) Isopropylbenzene	12.694	105	667602	46.930	ug/l		100
74) N-amyl acetate	12.488	43	320394	45.241	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	186111	45.501	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	187464m	45.680	ug/l		
77) Bromobenzene	12.976	156	150856	47.860	ug/l		98
78) n-propylbenzene	13.029	91	794892	47.420	ug/l		99
79) 2-Chlorotoluene	13.123	91	493124	47.012	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	550039	47.241	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	84822m	49.639	ug/l		
82) 4-Chlorotoluene	13.217	91	495478	47.552	ug/l		99
83) tert-Butylbenzene	13.435	119	461626	45.757	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	561084	47.342	ug/l		100
85) sec-Butylbenzene	13.612	105	650246	46.468	ug/l		99
86) p-Isopropyltoluene	13.729	119	546663	47.395	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	278387	46.983	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	282403	47.319	ug/l		99
89) n-Butylbenzene	14.053	91	482335	47.178	ug/l		100
90) Hexachloroethane	14.329	117	92416	47.634	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	273135	47.545	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39601	48.017	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	131639	47.854	ug/l		100
94) Hexachlorobutadiene	15.500	225	48079	46.301	ug/l		100
95) Naphthalene	15.635	128	472042	48.408	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	123220	47.314	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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

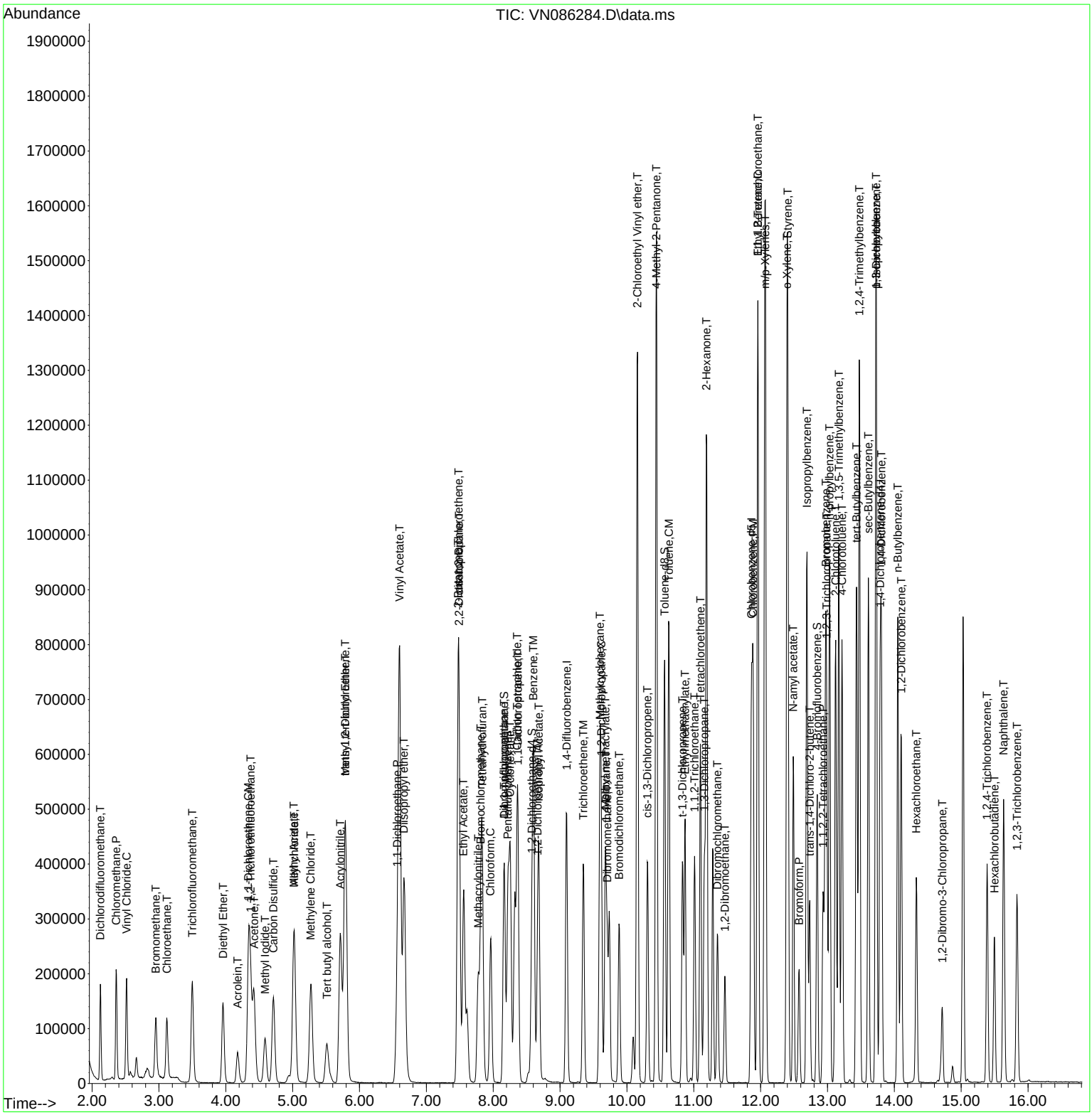
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	104	0.00
2	T	Dichlorodifluoromethane	0.593	0.595	-0.3	105	0.00
3	P	Chloromethane	0.861	0.798	7.3	110	0.00
4	C	Vinyl Chloride	0.822	0.790	3.9#	104	0.00
5	T	Bromomethane	0.370	0.382	-3.2	112	0.00
6	T	Chloroethane	0.550	0.512	6.9	107	0.00
7	T	Trichlorofluoromethane	0.911	0.875	4.0	106	0.00
8	T	Diethyl Ether	0.398	0.378	5.0	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.551	0.533	3.3	106	0.00
10	T	Methyl Iodide	0.606	0.640	-5.6	111	0.00
11	T	Tert butyl alcohol	0.132	0.124	6.1	104	0.00
12	CM	1,1-Dichloroethene	0.588	0.556	5.4#	105	0.00
13	T	Acrolein	0.075	0.062	17.3	106	0.00
14	T	Allyl chloride	1.046	0.947	9.5	106	0.00
15	T	Acrylonitrile	0.327	0.320	2.1	105	0.00
16	T	Acetone	0.290	0.255	12.1	106	0.00
17	T	Carbon Disulfide	1.762	1.550	12.0	104	0.00
18	T	Methyl Acetate	0.870	0.793	8.9	106	0.00
19	T	Methyl tert-butyl Ether	2.163	2.039	5.7	106	0.00
20	T	Methylene Chloride	0.670	0.627	6.4	105	0.00
21	T	trans-1,2-Dichloroethene	0.615	0.578	6.0	105	0.00
22	T	Diisopropyl ether	2.276	2.113	7.2	104	0.00
23	T	Vinyl Acetate	1.591	1.493	6.2	105	0.00
24	P	1,1-Dichloroethane	1.201	1.135	5.5	104	0.00
25	T	2-Butanone	0.451	0.431	4.4	106	0.00
26	T	2,2-Dichloropropane	1.075	1.005	6.5	106	0.00
27	T	cis-1,2-Dichloroethene	0.764	0.719	5.9	105	0.00
28	T	Bromochloromethane	0.509	0.489	3.9	103	0.00
29	T	Tetrahydrofuran	0.302	0.280	7.3	104	0.00
30	C	Chloroform	1.180	1.110	5.9#	105	0.00
31	T	Cyclohexane	1.175	1.061	9.7	104	0.00
32	T	1,1,1-Trichloroethane	1.009	0.956	5.3	105	0.00
33	S	1,2-Dichloroethane-d4	0.725	0.727	-0.3	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.232	0.222	4.3	109	0.00
36	T	1,1-Dichloropropene	0.463	0.439	5.2	104	0.00
37	T	Ethyl Acetate	0.488	0.449	8.0	106	0.00
38	T	Carbon Tetrachloride	0.441	0.419	5.0	104	0.00
39	T	Methylcyclohexane	0.551	0.506	8.2	102	0.00
40	TM	Benzene	1.485	1.401	5.7	105	0.00
41	T	Methacrylonitrile	0.283	0.260	8.1	104	0.00
42	TM	1,2-Dichloroethane	0.474	0.450	5.1	107	0.00
43	T	Isopropyl Acetate	1.177	0.851	27.7#	103	0.00
44	TM	Trichloroethene	0.352	0.334	5.1	104	0.00
45	C	1,2-Dichloropropane	0.364	0.344	5.5#	104	0.00
46	T	Dibromomethane	0.232	0.226	2.6	105	0.00
47	T	Bromodichloromethane	0.500	0.477	4.6	106	0.00
48	T	Methyl methacrylate	0.429	0.390	9.1	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.007	0.0	110	0.00
50	S	Toluene-d8	1.240	1.246	-0.5	105	0.00
51	T	4-Methyl-2-Pentanone	0.500	0.476	4.8	104	0.00
52	CM	Toluene	0.927	0.879	5.2#	104	0.00
53	T	t-1,3-Dichloropropene	0.558	0.540	3.2	104	0.00
54	T	cis-1,3-Dichloropropene	0.613	0.576	6.0	105	0.00
55	T	1,1,2-Trichloroethane	0.333	0.313	6.0	103	0.00
56	T	Ethyl methacrylate	0.613	0.581	5.2	106	0.00
57	T	1,3-Dichloropropane	0.592	0.565	4.6	105	0.00
58	T	2-Chloroethyl Vinyl ether	0.291	0.281	3.4	103	0.00
59	T	2-Hexanone	0.371	0.349	5.9	103	0.00
60	T	Dibromochloromethane	0.366	0.350	4.4	104	0.00
61	T	1,2-Dibromoethane	0.336	0.321	4.5	104	0.00
62	S	4-Bromofluorobenzene	0.452	0.452	0.0	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.385	0.365	5.2	103	0.00
65	PM	Chlorobenzene	1.116	1.043	6.5	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.368	0.348	5.4	105	0.00
67	C	Ethyl Benzene	2.014	1.901	5.6#	104	0.00
68	T	m/p-Xylenes	0.754	0.717	4.9	103	0.00
69	T	o-Xylene	0.746	0.702	5.9	103	0.00
70	T	Styrene	1.243	1.197	3.7	103	0.00
71	P	Bromoform	0.277	0.264	4.7	106	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	4.090	3.839	6.1	103	0.00
74	T	N-amyl acetate	2.036	1.842	9.5	104	0.00
75	P	1,1,2,2-Tetrachloroethane	1.176	1.070	9.0	103	0.00
76	T	1,2,3-Trichloropropane	1.180	1.078	8.6	104	0.00
77	T	Bromobenzene	0.906	0.867	4.3	102	0.00
78	T	n-propylbenzene	4.820	4.571	5.2	102	0.00
79	T	2-Chlorotoluene	3.016	2.836	6.0	103	0.00
80	T	1,3,5-Trimethylbenzene	3.348	3.163	5.5	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.491	0.488	0.6	106	0.00
82	T	4-Chlorotoluene	2.996	2.849	4.9	102	0.00
83	T	tert-Butylbenzene	2.901	2.655	8.5	102	0.00
84	T	1,2,4-Trimethylbenzene	3.408	3.226	5.3	102	0.00
85	T	sec-Butylbenzene	4.023	3.739	7.1	99	0.00
86	T	p-Isopropyltoluene	3.316	3.144	5.2	100	0.00
87	T	1,3-Dichlorobenzene	1.704	1.601	6.0	100	0.00
88	T	1,4-Dichlorobenzene	1.716	1.624	5.4	101	0.00
89	T	n-Butylbenzene	2.939	2.774	5.6	98	0.00
90	T	Hexachloroethane	0.558	0.531	4.8	103	0.00
91	T	1,2-Dichlorobenzene	1.652	1.571	4.9	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.228	3.8	103	0.00
93	T	1,2,4-Trichlorobenzene	0.791	0.757	4.3	99	0.00
94	T	Hexachlorobutadiene	0.299	0.276	7.7	99	0.00
95	T	Naphthalene	2.804	2.714	3.2	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.749	0.709	5.3	100	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	104	0.00
2	T	Dichlorodifluoromethane	50.000	50.220	-0.4	105	0.00
3	P	Chloromethane	50.000	46.321	7.4	110	0.00
4	C	Vinyl Chloride	50.000	48.040	3.9#	104	0.00
5	T	Bromomethane	50.000	51.662	-3.3	112	0.00
6	T	Chloroethane	50.000	46.557	6.9	107	0.00
7	T	Trichlorofluoromethane	50.000	48.030	3.9	106	0.00
8	T	Diethyl Ether	50.000	47.564	4.9	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.357	3.3	106	0.00
10	T	Methyl Iodide	50.000	52.806	-5.6	111	0.00
11	T	Tert butyl alcohol	250.000	233.586	6.6	104	0.00
12	CM	1,1-Dichloroethene	50.000	47.278	5.4#	105	0.00
13	T	Acrolein	250.000	251.743	-0.7	106	0.00
14	T	Allyl chloride	50.000	45.280	9.4	106	0.00
15	T	Acrylonitrile	250.000	244.312	2.3	105	0.00
16	T	Acetone	250.000	254.646	-1.9	106	0.00
17	T	Carbon Disulfide	50.000	43.983	12.0	104	0.00
18	T	Methyl Acetate	50.000	45.586	8.8	106	0.00
19	T	Methyl tert-butyl Ether	50.000	47.117	5.8	106	0.00
20	T	Methylene Chloride	50.000	46.740	6.5	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.960	6.1	105	0.00
22	T	Diisopropyl ether	50.000	46.426	7.1	104	0.00
23	T	Vinyl Acetate	250.000	234.680	6.1	105	0.00
24	P	1,1-Dichloroethane	50.000	47.277	5.4	104	0.00
25	T	2-Butanone	250.000	238.732	4.5	106	0.00
26	T	2,2-Dichloropropane	50.000	46.721	6.6	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.105	5.8	105	0.00
28	T	Bromochloromethane	50.000	48.044	3.9	103	0.00
29	T	Tetrahydrofuran	250.000	232.296	7.1	104	0.00
30	C	Chloroform	50.000	47.047	5.9#	105	0.00
31	T	Cyclohexane	50.000	45.162	9.7	104	0.00
32	T	1,1,1-Trichloroethane	50.000	47.385	5.2	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.114	-0.2	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	47.865	4.3	109	0.00
36	T	1,1-Dichloropropene	50.000	47.382	5.2	104	0.00
37	T	Ethyl Acetate	50.000	45.984	8.0	106	0.00
38	T	Carbon Tetrachloride	50.000	47.475	5.0	104	0.00
39	T	Methylcyclohexane	50.000	45.902	8.2	102	0.00
40	TM	Benzene	50.000	47.168	5.7	105	0.00
41	T	Methacrylonitrile	50.000	45.892	8.2	104	0.00
42	TM	1,2-Dichloroethane	50.000	47.496	5.0	107	0.00
43	T	Isopropyl Acetate	50.000	48.649	2.7	103	0.00
44	TM	Trichloroethene	50.000	47.403	5.2	104	0.00
45	C	1,2-Dichloropropane	50.000	47.302	5.4#	104	0.00
46	T	Dibromomethane	50.000	48.772	2.5	105	0.00
47	T	Bromodichloromethane	50.000	47.682	4.6	106	0.00
48	T	Methyl methacrylate	50.000	45.546	8.9	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	929.893	7.0	110	0.00
50	S	Toluene-d8	50.000	50.251	-0.5	105	0.00
51	T	4-Methyl-2-Pentanone	250.000	238.220	4.7	104	0.00
52	CM	Toluene	50.000	47.453	5.1#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	48.360	3.3	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.923	6.2	105	0.00
55	T	1,1,2-Trichloroethane	50.000	46.911	6.2	103	0.00
56	T	Ethyl methacrylate	50.000	47.414	5.2	106	0.00
57	T	1,3-Dichloropropane	50.000	47.770	4.5	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	241.924	3.2	103	0.00
59	T	2-Hexanone	250.000	235.364	5.9	103	0.00
60	T	Dibromochloromethane	50.000	47.767	4.5	104	0.00
61	T	1,2-Dibromoethane	50.000	47.777	4.4	104	0.00
62	S	4-Bromofluorobenzene	50.000	49.950	0.1	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	47.439	5.1	103	0.00
65	PM	Chlorobenzene	50.000	46.735	6.5	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.238	5.5	105	0.00
67	C	Ethyl Benzene	50.000	47.196	5.6#	104	0.00
68	T	m/p-Xylenes	100.000	94.994	5.0	103	0.00
69	T	o-Xylene	50.000	47.043	5.9	103	0.00
70	T	Styrene	50.000	48.138	3.7	103	0.00
71	P	Bromoform	50.000	47.634	4.7	106	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	46.930	6.1	103	0.00
74	T	N-amyl acetate	50.000	45.241	9.5	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.501	9.0	103	0.00
76	T	1,2,3-Trichloropropane	50.000	45.680	8.6	104	0.00
77	T	Bromobenzene	50.000	47.860	4.3	102	0.00
78	T	n-propylbenzene	50.000	47.420	5.2	102	0.00
79	T	2-Chlorotoluene	50.000	47.012	6.0	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.241	5.5	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.639	0.7	106	0.00
82	T	4-Chlorotoluene	50.000	47.552	4.9	102	0.00
83	T	tert-Butylbenzene	50.000	45.757	8.5	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.342	5.3	102	0.00
85	T	sec-Butylbenzene	50.000	46.468	7.1	99	0.00
86	T	p-Isopropyltoluene	50.000	47.395	5.2	100	0.00
87	T	1,3-Dichlorobenzene	50.000	46.983	6.0	100	0.00
88	T	1,4-Dichlorobenzene	50.000	47.319	5.4	101	0.00
89	T	n-Butylbenzene	50.000	47.178	5.6	98	0.00
90	T	Hexachloroethane	50.000	47.634	4.7	103	0.00
91	T	1,2-Dichlorobenzene	50.000	47.545	4.9	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.017	4.0	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.854	4.3	99	0.00
94	T	Hexachlorobutadiene	50.000	46.301	7.4	99	0.00
95	T	Naphthalene	50.000	48.408	3.2	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.314	5.4	100	0.00

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

Raw Data: **VN086504.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: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date/Time: 05/06/2025 10:35

Lab File ID: VN086504.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.822	0.657		-20.07	20
1,1-Dichloroethene	0.588	0.522		-11.22	20
2-Butanone	0.451	0.405		-10.2	20
Carbon Tetrachloride	0.441	0.447		1.36	20
Chloroform	1.180	1.187		0.59	20
Benzene	1.485	1.462		-1.55	20
1,2-Dichloroethane	0.474	0.511		7.81	20
Trichloroethene	0.352	0.379		7.67	20
Tetrachloroethene	0.385	0.415		7.79	20
Chlorobenzene	1.116	1.152	0.3	3.23	20
1,2-Dichloroethane-d4	0.725	0.698		-3.72	20
Dibromofluoromethane	0.232	0.250		7.76	20
Toluene-d8	1.240	1.178		-5	20
4-Bromofluorobenzene	0.452	0.460		1.77	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\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	186971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	338775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	314072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130550	48.151	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.300%			
35) Dibromofluoromethane	8.165	113	84639	53.831	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.660%			
50) Toluene-d8	10.565	98	399114	47.496	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.000%			
62) 4-Bromofluorobenzene	12.847	95	155922	50.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	96414	43.500	ug/l	98
3) Chloromethane	2.360	50	128807	39.987	ug/l	96
4) Vinyl Chloride	2.512	62	122759	39.936	ug/l	98
5) Bromomethane	2.954	94	75110	54.322	ug/l	96
6) Chloroethane	3.118	64	84296	40.974	ug/l	99
7) Trichlorofluoromethane	3.501	101	160328	47.087	ug/l	99
8) Diethyl Ether	3.959	74	73202	49.246	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	97567	47.367	ug/l	97
10) Methyl Iodide	4.583	142	128968	56.950	ug/l	98
11) Tert butyl alcohol	5.512	59	113258	228.947	ug/l	100
12) 1,1-Dichloroethene	4.342	96	97515	44.312	ug/l	99
13) Acrolein	4.177	56	67136	293.679	ug/l	96
14) Allyl chloride	5.024	41	153180	39.156	ug/l	93
15) Acrylonitrile	5.712	53	287153	234.814	ug/l	99
16) Acetone	4.424	43	229166	244.342	ug/l	99
17) Carbon Disulfide	4.712	76	255907	38.837	ug/l	98
18) Methyl Acetate	5.018	43	135966	41.778	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	404824	50.044	ug/l	98
20) Methylene Chloride	5.271	84	123698	49.351	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	110590	48.068	ug/l	91
22) Diisopropyl ether	6.671	45	385514	45.301	ug/l	97
23) Vinyl Acetate	6.600	43	1390916	233.806	ug/l	97
24) 1,1-Dichloroethane	6.565	63	208432	46.419	ug/l	99
25) 2-Butanone	7.477	43	378939	224.541	ug/l	96
26) 2,2-Dichloropropane	7.489	77	187192	46.561	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	144092	50.460	ug/l	93
28) Bromochloromethane	7.812	49	81811	42.971	ug/l	86
29) Tetrahydrofuran	7.836	42	249166	220.791	ug/l	94
30) Chloroform	7.959	83	221894	50.306	ug/l	99
31) Cyclohexane	8.253	56	171927	39.129	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	181942	48.218	ug/l	99
36) 1,1-Dichloropropene	8.371	75	147497	46.967	ug/l	98
37) Ethyl Acetate	7.553	43	152654	46.172	ug/l	99
38) Carbon Tetrachloride	8.359	117	151505	50.659	ug/l	99
39) Methylcyclohexane	9.594	83	167497	44.873	ug/l	98
40) Benzene	8.600	78	495357	49.232	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	88517	46.194	ug/l		96
42) 1,2-Dichloroethane	8.665	62	173196	53.978	ug/l		100
43) Isopropyl Acetate	8.683	43	281871	47.497	ug/l		96
44) Trichloroethene	9.347	130	128400	53.841	ug/l		95
45) 1,2-Dichloropropane	9.618	63	121835	49.467	ug/l		99
46) Dibromomethane	9.706	93	88683	56.513	ug/l		96
47) Bromodichloromethane	9.883	83	183659	54.188	ug/l		97
48) Methyl methacrylate	9.677	41	132393	45.599	ug/l		94
49) 1,4-Dioxane	9.694	88	51227	1037.266	ug/l		93
51) 4-Methyl-2-Pentanone	10.441	43	813318	240.230	ug/l		98
52) Toluene	10.630	92	323020	51.451	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	200053	52.877	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	212799	51.209	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	122629	54.288	ug/l		96
56) Ethyl methacrylate	10.871	69	210673	50.739	ug/l		97
57) 1,3-Dichloropropane	11.159	76	210645	52.560	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	422017	214.142	ug/l		96
59) 2-Hexanone	11.194	43	597003	237.737	ug/l		98
60) Dibromochloromethane	11.353	129	141817	57.174	ug/l		99
61) 1,2-Dibromoethane	11.465	107	127362	55.879	ug/l		99
64) Tetrachloroethene	11.100	164	130234	53.908	ug/l		98
65) Chlorobenzene	11.888	112	361793	51.618	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	123598	53.454	ug/l		99
67) Ethyl Benzene	11.959	91	622129	49.188	ug/l		100
68) m/p-Xylenes	12.065	106	478687	101.007	ug/l		97
69) o-Xylene	12.394	106	239320	51.063	ug/l		97
70) Styrene	12.406	104	412138	52.777	ug/l		99
71) Bromoform	12.576	173	96103	55.203	ug/l	#	99
73) Isopropylbenzene	12.688	105	579388	45.586	ug/l		99
74) N-amyl acetate	12.488	43	252471	39.902	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	168619	46.141	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	164079m	44.750	ug/l		
77) Bromobenzene	12.976	156	149126	52.953	ug/l		90
78) n-propylbenzene	13.029	91	680807	45.457	ug/l		99
79) 2-Chlorotoluene	13.124	91	438870	46.829	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	485554	46.676	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	75202	49.258	ug/l		87
82) 4-Chlorotoluene	13.218	91	445950	47.903	ug/l		98
83) tert-Butylbenzene	13.435	119	410708	45.565	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	502742	47.478	ug/l		100
85) sec-Butylbenzene	13.612	105	569846	45.578	ug/l		98
86) p-Isopropyltoluene	13.723	119	490968	47.642	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	275607	52.061	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	279296	52.379	ug/l		98
89) n-Butylbenzene	14.053	91	419349	45.909	ug/l		99
90) Hexachloroethane	14.329	117	79373	45.790	ug/l		95
91) 1,2-Dichlorobenzene	14.100	146	267864	52.188	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	33271	45.153	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	126722	51.561	ug/l		98
94) Hexachlorobutadiene	15.494	225	44262	47.708	ug/l		99
95) Naphthalene	15.635	128	419212	48.117	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	119191	51.224	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

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

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

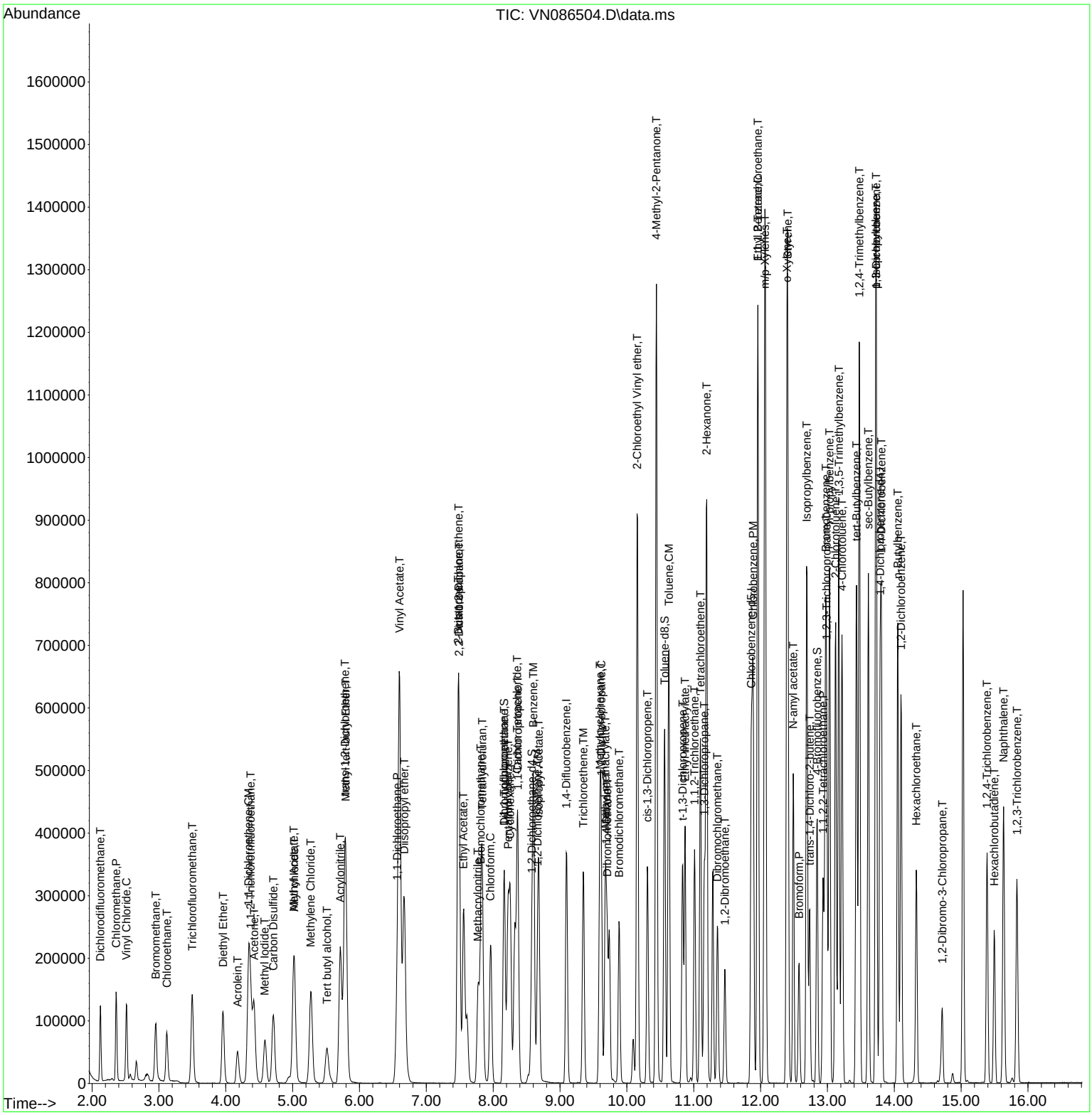
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025



Sample Results: **VN086504.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	84	0.00
2	T	Dichlorodifluoromethane	0.593	0.516	13.0	73	0.00
3	P	Chloromethane	0.861	0.689	20.0	76	0.00
4	C	Vinyl Chloride	0.822	0.657	20.1#	69	0.00
5	T	Bromomethane	0.370	0.402	-8.6	94	0.00
6	T	Chloroethane	0.550	0.451	18.0	75	0.00
7	T	Trichlorofluoromethane	0.911	0.858	5.8	83	0.00
8	T	Diethyl Ether	0.398	0.392	1.5	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.551	0.522	5.3	83	0.00
10	T	Methyl Iodide	0.606	0.690	-13.9	96	0.00
11	T	Tert butyl alcohol	0.132	0.121	8.3	82	0.00
12	CM	1,1-Dichloroethene	0.588	0.522	11.2#	79	0.00
13	T	Acrolein	0.075	0.072	4.0	99	0.00
14	T	Allyl chloride	1.046	0.819	21.7	74	0.00
15	T	Acrylonitrile	0.327	0.307	6.1	81	0.00
16	T	Acetone	0.290	0.245	15.5	82	0.00
17	T	Carbon Disulfide	1.762	1.369	22.3	74	0.00
18	T	Methyl Acetate	0.870	0.727	16.4	78	0.00
19	T	Methyl tert-butyl Ether	2.163	2.165	-0.1	90	0.00
20	T	Methylene Chloride	0.670	0.662	1.2	89	0.00
21	T	trans-1,2-Dichloroethene	0.615	0.591	3.9	86	0.00
22	T	Diisopropyl ether	2.276	2.062	9.4	82	0.00
23	T	Vinyl Acetate	1.591	1.488	6.5	84	0.00
24	P	1,1-Dichloroethane	1.201	1.115	7.2	82	0.00
25	T	2-Butanone	0.451	0.405	10.2	80	0.00
26	T	2,2-Dichloropropane	1.075	1.001	6.9	85	0.00
27	T	cis-1,2-Dichloroethene	0.764	0.771	-0.9	90	0.00
28	T	Bromochloromethane	0.509	0.438	13.9	74	0.00
29	T	Tetrahydrofuran	0.302	0.267	11.6	79	0.00
30	C	Chloroform	1.180	1.187	-0.6#	90	0.00
31	T	Cyclohexane	1.175	0.920	21.7	72	0.00
32	T	1,1,1-Trichloroethane	1.009	0.973	3.6	86	0.00
33	S	1,2-Dichloroethane-d4	0.725	0.698	3.7	81	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
35	S	Dibromofluoromethane	0.232	0.250	-7.8	95	0.00
36	T	1,1-Dichloropropene	0.463	0.435	6.0	80	0.00
37	T	Ethyl Acetate	0.488	0.451	7.6	83	0.00
38	T	Carbon Tetrachloride	0.441	0.447	-1.4	87	0.00
39	T	Methylcyclohexane	0.551	0.494	10.3	77	0.00
40	TM	Benzene	1.485	1.462	1.5	85	0.00
41	T	Methacrylonitrile	0.283	0.261	7.8	81	0.00
42	TM	1,2-Dichloroethane	0.474	0.511	-7.8	94	0.00
43	T	Isopropyl Acetate	1.177	0.832	29.3#	79	0.00
44	TM	Trichloroethene	0.352	0.379	-7.7	92	0.00
45	C	1,2-Dichloropropane	0.364	0.360	1.1#	84	0.00
46	T	Dibromomethane	0.232	0.262	-12.9	94	0.00
47	T	Bromodichloromethane	0.500	0.542	-8.4	93	0.00
48	T	Methyl methacrylate	0.429	0.391	8.9	81	0.00

Sample Results: **VN086504.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.008	-14.3	95	0.00
50	S	Toluene-d8	1.240	1.178	5.0	77	0.00
51	T	4-Methyl-2-Pentanone	0.500	0.480	4.0	81	0.00
52	CM	Toluene	0.927	0.953	-2.8#	87	0.00
53	T	t-1,3-Dichloropropene	0.558	0.591	-5.9	88	0.00
54	T	cis-1,3-Dichloropropene	0.613	0.628	-2.4	89	0.00
55	T	1,1,2-Trichloroethane	0.333	0.362	-8.7	93	0.00
56	T	Ethyl methacrylate	0.613	0.622	-1.5	88	0.00
57	T	1,3-Dichloropropane	0.592	0.622	-5.1	90	0.00
58	T	2-Chloroethyl Vinyl ether	0.291	0.249	14.4	71	0.00
59	T	2-Hexanone	0.371	0.352	5.1	81	0.00
60	T	Dibromochloromethane	0.366	0.419	-14.5	97	0.00
61	T	1,2-Dibromoethane	0.336	0.376	-11.9	95	0.00
62	S	4-Bromofluorobenzene	0.452	0.460	-1.8	82	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.385	0.415	-7.8	96	0.00
65	PM	Chlorobenzene	1.116	1.152	-3.2	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.368	0.394	-7.1	97	0.00
67	C	Ethyl Benzene	2.014	1.981	1.6#	88	0.00
68	T	m/p-Xylenes	0.754	0.762	-1.1	90	0.00
69	T	o-Xylene	0.746	0.762	-2.1	91	0.00
70	T	Styrene	1.243	1.312	-5.6	92	0.00
71	P	Bromoform	0.277	0.306	-10.5	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73	T	Isopropylbenzene	4.090	3.729	8.8	89	0.00
74	T	N-amyl acetate	2.036	1.625	20.2	82	0.00
75	P	1,1,2,2-Tetrachloroethane	1.176	1.085	7.7	94	0.00
76	T	1,2,3-Trichloropropane	1.180	1.056	10.5	91	0.00
77	T	Bromobenzene	0.906	0.960	-6.0	101	0.00
78	T	n-propylbenzene	4.820	4.382	9.1	87	0.00
79	T	2-Chlorotoluene	3.016	2.825	6.3	92	0.00
80	T	1,3,5-Trimethylbenzene	3.348	3.125	6.7	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.491	0.484	1.4	94	0.00
82	T	4-Chlorotoluene	2.996	2.870	4.2	91	0.00
83	T	tert-Butylbenzene	2.901	2.643	8.9	91	0.00
84	T	1,2,4-Trimethylbenzene	3.408	3.236	5.0	91	0.00
85	T	sec-Butylbenzene	4.023	3.668	8.8	87	0.00
86	T	p-Isopropyltoluene	3.316	3.160	4.7	90	0.00
87	T	1,3-Dichlorobenzene	1.704	1.774	-4.1	99	0.00
88	T	1,4-Dichlorobenzene	1.716	1.798	-4.8	100	0.00
89	T	n-Butylbenzene	2.939	2.699	8.2	85	0.00
90	T	Hexachloroethane	0.558	0.511	8.4	88	0.00
91	T	1,2-Dichlorobenzene	1.652	1.724	-4.4	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.214	9.7	86	0.00
93	T	1,2,4-Trichlorobenzene	0.791	0.816	-3.2	95	0.00
94	T	Hexachlorobutadiene	0.299	0.285	4.7	91	0.00
95	T	Naphthalene	2.804	2.698	3.8	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.749	0.767	-2.4	97	0.00

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

Sample Results: **VN086504.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	84	0.00
2	T	Dichlorodifluoromethane	50.000	43.500	13.0	73	0.00
3	P	Chloromethane	50.000	39.987	20.0	76	0.00
4	C	Vinyl Chloride	50.000	39.936	20.1#	69	0.00
5	T	Bromomethane	50.000	54.322	-8.6	94	0.00
6	T	Chloroethane	50.000	40.974	18.1	75	0.00
7	T	Trichlorofluoromethane	50.000	47.087	5.8	83	0.00
8	T	Diethyl Ether	50.000	49.246	1.5	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.367	5.3	83	0.00
10	T	Methyl Iodide	50.000	56.950	-13.9	96	0.00
11	T	Tert butyl alcohol	250.000	228.947	8.4	82	0.00
12	CM	1,1-Dichloroethene	50.000	44.312	11.4#	79	0.00
13	T	Acrolein	250.000	293.679	-17.5	99	0.00
14	T	Allyl chloride	50.000	39.156	21.7	74	0.00
15	T	Acrylonitrile	250.000	234.814	6.1	81	0.00
16	T	Acetone	250.000	244.342	2.3	82	0.00
17	T	Carbon Disulfide	50.000	38.837	22.3	74	0.00
18	T	Methyl Acetate	50.000	41.778	16.4	78	0.00
19	T	Methyl tert-butyl Ether	50.000	50.044	-0.1	90	0.00
20	T	Methylene Chloride	50.000	49.351	1.3	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.068	3.9	86	0.00
22	T	Diisopropyl ether	50.000	45.301	9.4	82	0.00
23	T	Vinyl Acetate	250.000	233.806	6.5	84	0.00
24	P	1,1-Dichloroethane	50.000	46.419	7.2	82	0.00
25	T	2-Butanone	250.000	224.541	10.2	80	0.00
26	T	2,2-Dichloropropane	50.000	46.561	6.9	85	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.460	-0.9	90	0.00
28	T	Bromochloromethane	50.000	42.971	14.1	74	0.00
29	T	Tetrahydrofuran	250.000	220.791	11.7	79	0.00
30	C	Chloroform	50.000	50.306	-0.6#	90	0.00
31	T	Cyclohexane	50.000	39.129	21.7	72	0.00
32	T	1,1,1-Trichloroethane	50.000	48.218	3.6	86	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.151	3.7	81	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	82	0.00
35	S	Dibromofluoromethane	50.000	53.831	-7.7	95	0.00
36	T	1,1-Dichloropropene	50.000	46.967	6.1	80	0.00
37	T	Ethyl Acetate	50.000	46.172	7.7	83	0.00
38	T	Carbon Tetrachloride	50.000	50.659	-1.3	87	0.00
39	T	Methylcyclohexane	50.000	44.873	10.3	77	0.00
40	TM	Benzene	50.000	49.232	1.5	85	0.00
41	T	Methacrylonitrile	50.000	46.194	7.6	81	0.00
42	TM	1,2-Dichloroethane	50.000	53.978	-8.0	94	0.00
43	T	Isopropyl Acetate	50.000	47.497	5.0	79	0.00
44	TM	Trichloroethene	50.000	53.841	-7.7	92	0.00
45	C	1,2-Dichloropropane	50.000	49.467	1.1#	84	0.00
46	T	Dibromomethane	50.000	56.513	-13.0	94	0.00
47	T	Bromodichloromethane	50.000	54.188	-8.4	93	0.00
48	T	Methyl methacrylate	50.000	45.599	8.8	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	1037.266	-3.7	95	0.00
50	S	Toluene-d8	50.000	47.496	5.0	77	0.00
51	T	4-Methyl-2-Pentanone	250.000	240.230	3.9	81	0.00
52	CM	Toluene	50.000	51.451	-2.9#	87	0.00
53	T	t-1,3-Dichloropropene	50.000	52.877	-5.8	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.209	-2.4	89	0.00
55	T	1,1,2-Trichloroethane	50.000	54.288	-8.6	93	0.00
56	T	Ethyl methacrylate	50.000	50.739	-1.5	88	0.00
57	T	1,3-Dichloropropane	50.000	52.560	-5.1	90	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	214.142	14.3	71	0.00
59	T	2-Hexanone	250.000	237.737	4.9	81	0.00
60	T	Dibromochloromethane	50.000	57.174	-14.3	97	0.00
61	T	1,2-Dibromoethane	50.000	55.879	-11.8	95	0.00
62	S	4-Bromofluorobenzene	50.000	50.872	-1.7	82	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	53.908	-7.8	96	0.00
65	PM	Chlorobenzene	50.000	51.618	-3.2	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.454	-6.9	97	0.00
67	C	Ethyl Benzene	50.000	49.188	1.6#	88	0.00
68	T	m/p-Xylenes	100.000	101.007	-1.0	90	0.00
69	T	o-Xylene	50.000	51.063	-2.1	91	0.00
70	T	Styrene	50.000	52.777	-5.6	92	0.00
71	P	Bromoform	50.000	55.203	-10.4	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73	T	Isopropylbenzene	50.000	45.586	8.8	89	0.00
74	T	N-amyl acetate	50.000	39.902	20.2	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.141	7.7	94	0.00
76	T	1,2,3-Trichloropropane	50.000	44.750	10.5	91	0.00
77	T	Bromobenzene	50.000	52.953	-5.9	101	0.00
78	T	n-propylbenzene	50.000	45.457	9.1	87	0.00
79	T	2-Chlorotoluene	50.000	46.829	6.3	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.676	6.6	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.258	1.5	94	0.00
82	T	4-Chlorotoluene	50.000	47.903	4.2	91	0.00
83	T	tert-Butylbenzene	50.000	45.565	8.9	91	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.478	5.0	91	0.00
85	T	sec-Butylbenzene	50.000	45.578	8.8	87	0.00
86	T	p-Isopropyltoluene	50.000	47.642	4.7	90	0.00
87	T	1,3-Dichlorobenzene	50.000	52.061	-4.1	99	0.00
88	T	1,4-Dichlorobenzene	50.000	52.379	-4.8	100	0.00
89	T	n-Butylbenzene	50.000	45.909	8.2	85	0.00
90	T	Hexachloroethane	50.000	45.790	8.4	88	0.00
91	T	1,2-Dichlorobenzene	50.000	52.188	-4.4	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.153	9.7	86	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.561	-3.1	95	0.00
94	T	Hexachlorobutadiene	50.000	47.708	4.6	91	0.00
95	T	Naphthalene	50.000	48.117	3.8	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	51.224	-2.4	97	0.00

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

QC SAMPLE DATA

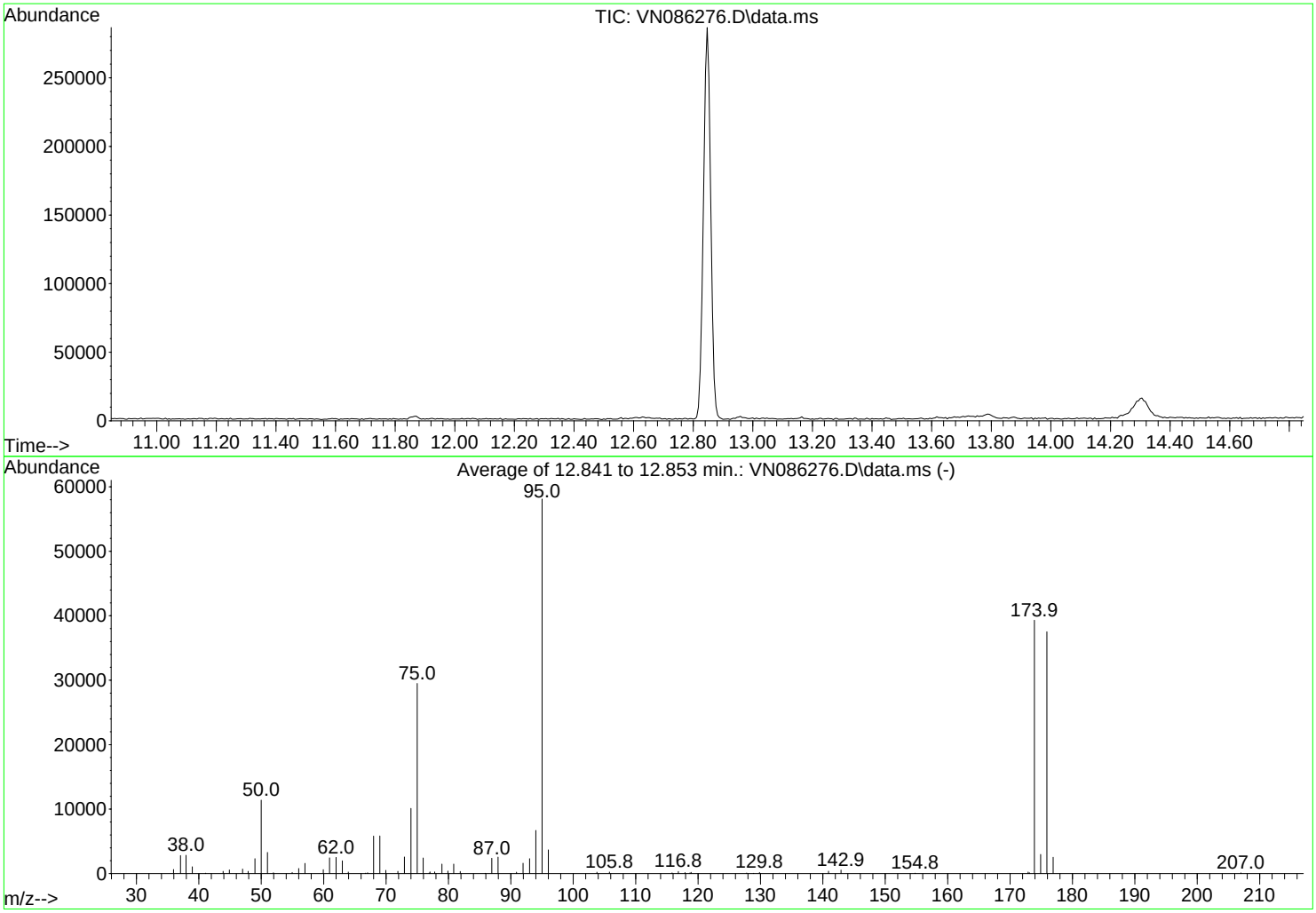
Sample Results: **VN086276.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086276.D
Acq On : 15 Apr 2025 10:47
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\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 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	19.6	11398	PASS
75	95	30	60	50.8	29499	PASS
95	95	100	100	100.0	58112	PASS
96	95	5	9	6.3	3682	PASS
173	174	0.00	2	0.6	240	PASS
174	95	50	100	67.6	39296	PASS
175	174	5	9	7.6	2977	PASS
176	174	95	101	95.5	37528	PASS
177	176	5	9	6.7	2533	PASS

Average of 12.841 to 12.853 min.: VN086276.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	635	51.00	3286	67.05	140	77.80	27
37.05	2796	51.95	128	68.00	5813	78.95	147
37.95	2853	54.95	179	69.00	5847	79.90	39
38.95	1053	56.00	804	69.95	514	80.85	148
41.10	67	57.00	1592	71.90	363	81.90	335
43.90	345	59.95	619	72.95	2581	85.90	51
44.90	579	60.95	2450	74.00	10128	86.95	2372
47.00	701	62.00	2513	75.00	29499	87.95	2557
47.90	354	63.00	1986	75.95	2430	90.90	233
49.00	2323	63.95	246	76.90	99	91.95	1612
50.00	11398	66.70	59	77.05	268	93.00	2327

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086276.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	6693	128.90	53	207.00	112		
95.00	58112	129.85	189				
96.00	3682	140.90	380				
103.80	224	142.90	552				
105.80	239	154.80	75				
115.85	118	172.90	240				
116.85	326	173.10	131				
117.90	152	173.90	39296				
118.70	112	174.90	2977				
118.90	196	175.90	37528				
127.80	80	176.90	2533				

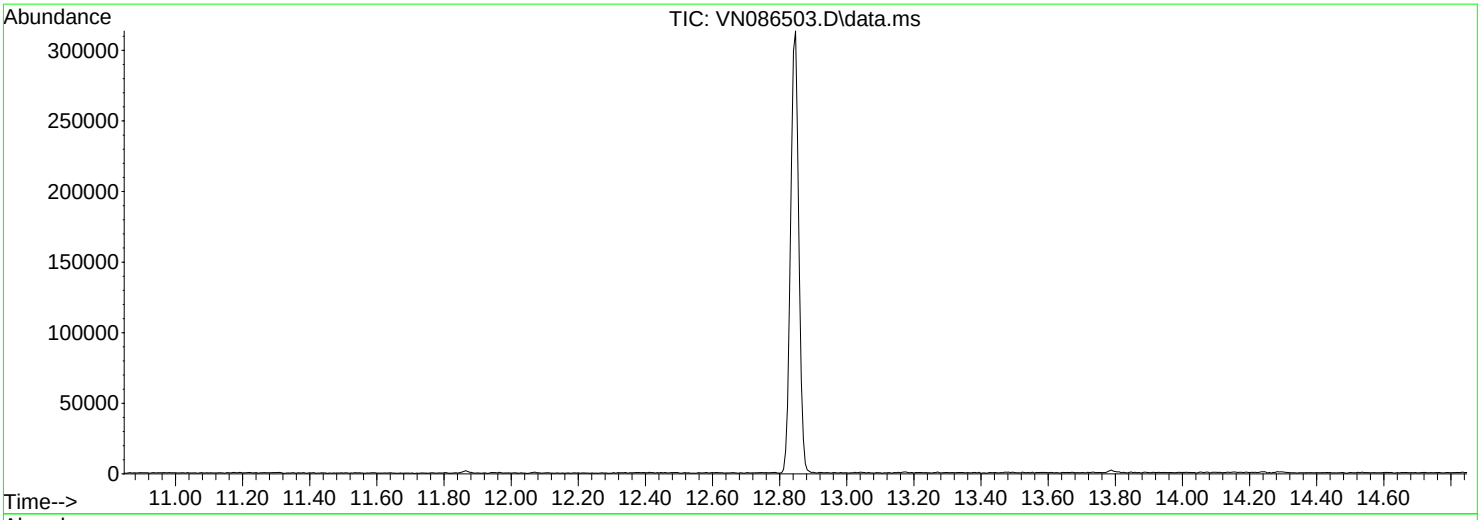
Sample Results: **VN086503.D**

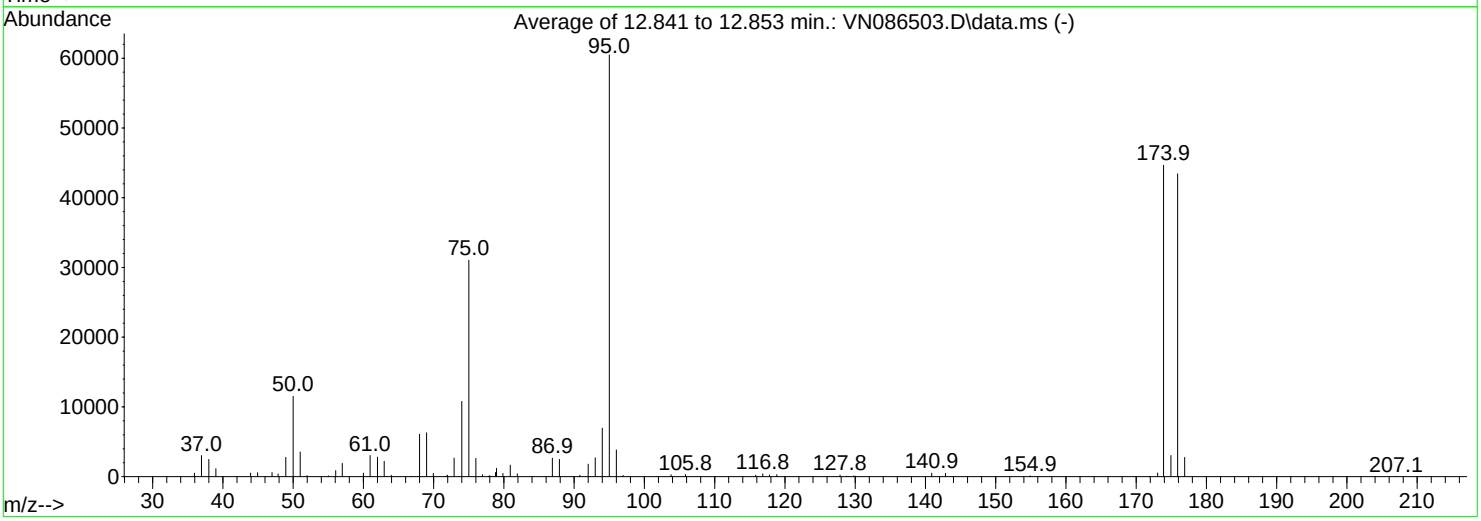
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086503.D
Acq On : 06 May 2025 09:13
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1842

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	11520	PASS
75	95	30	60	51.3	31056	PASS
95	95	100	100	100.0	60491	PASS
96	95	5	9	6.3	3832	PASS
173	174	0.00	2	1.2	539	PASS
174	95	50	100	73.8	44659	PASS
175	174	5	9	6.8	3021	PASS
176	174	95	101	97.3	43437	PASS
177	176	5	9	6.3	2756	PASS

Average of 12.841 to 12.853 min.: VN086503.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	507	51.95	135	69.00	6299	78.80	59
36.95	3031	55.00	127	69.95	481	78.95	119
38.00	2483	56.05	885	71.80	101	79.85	46
39.00	1154	57.00	1899	71.95	215	80.90	166
43.95	496	60.00	516	72.90	2665	81.90	414
44.95	564	60.95	3027	74.00	10779	86.90	2649
47.00	597	62.00	2808	75.00	31056	87.90	2490
47.85	403	62.95	2206	76.00	2621	90.80	207
48.95	2772	63.95	205	76.95	272	92.00	1786
50.00	11520	66.80	51	77.80	63	93.00	2708
51.00	3534	68.00	6084	78.00	136	94.00	6954

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086503.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	60491	129.00	53	175.90	43437		
96.00	3832	129.80	124	176.90	2756		
96.95	181	130.00	76	207.05	20		
103.80	273	140.90	498				
105.85	290	142.85	477				
115.85	197	147.80	56				
116.85	419	154.90	118				
117.80	227	171.90	50				
118.85	291	173.05	539				
127.85	222	173.90	44659				
128.80	66	174.95	3021				

Raw Data: **VN086506.D**

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

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	Bergen Point Fueling System		Date Received:		
Client Sample ID:	VN0506WBL01		SDG No.:	Q1956	
Lab Sample ID:	VN0506WBL01		Matrix:	TCLP	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	TCLP VOA	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086506.D	1		05/06/25 11:35	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	59.9		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	50.6		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	8.224			
540-36-3	1,4-Difluorobenzene	363000	9.1			
3114-55-4	Chlorobenzene-d5	340000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	148000	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\VN050625\
Data File : VN086506.D
Acq On : 06 May 2025 11:35
Operator : JC\MD
Sample : VN0506WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

Quant Time: May 07 02:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	200028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	363115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	340109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133375	45.982	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.960%			
35) Dibromofluoromethane	8.165	113	100944	59.898	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 119.800%			
50) Toluene-d8	10.565	98	455335	50.554	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.847	95	165005	50.227	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.460%			

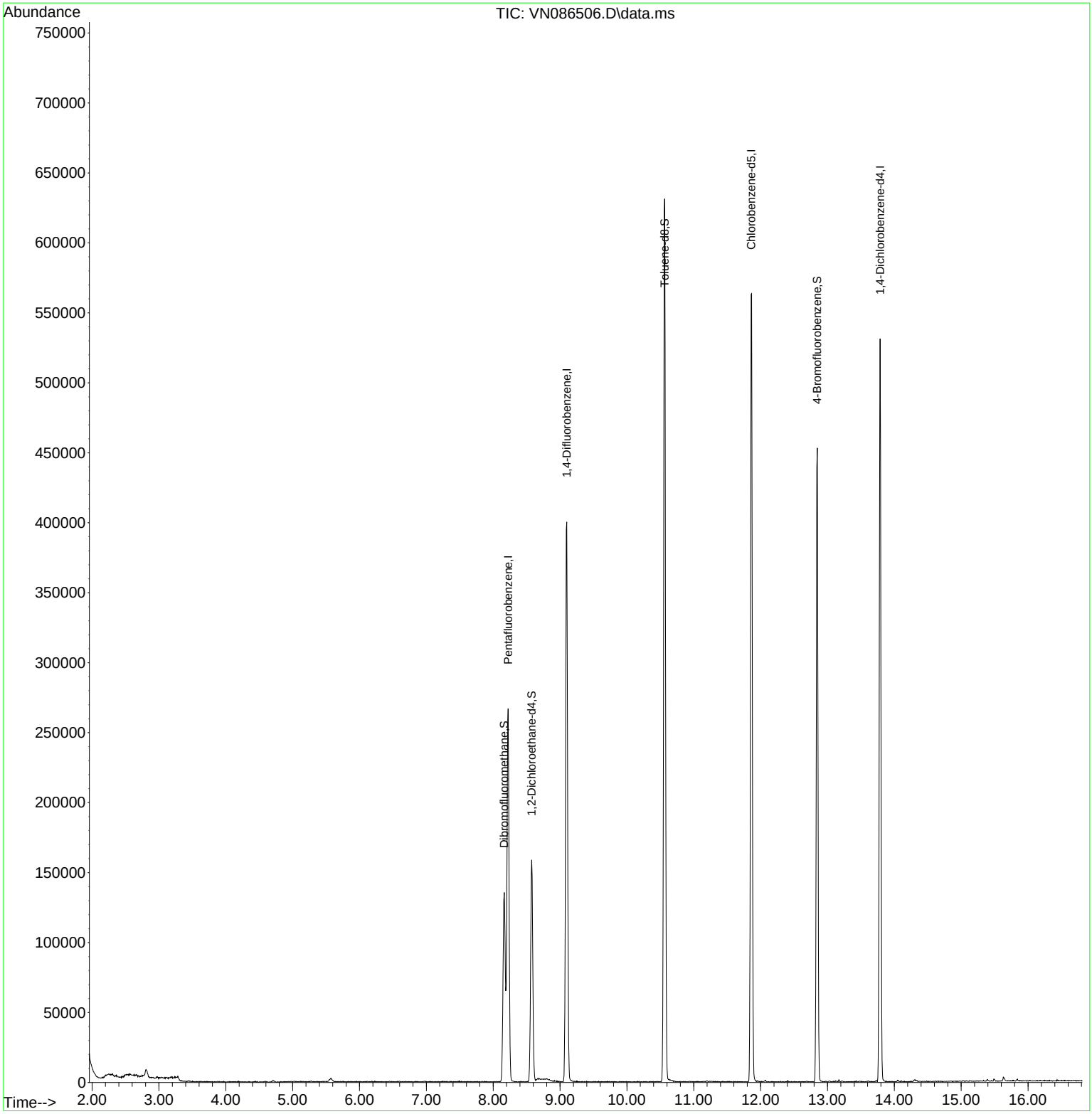
Target Compounds Qvalue

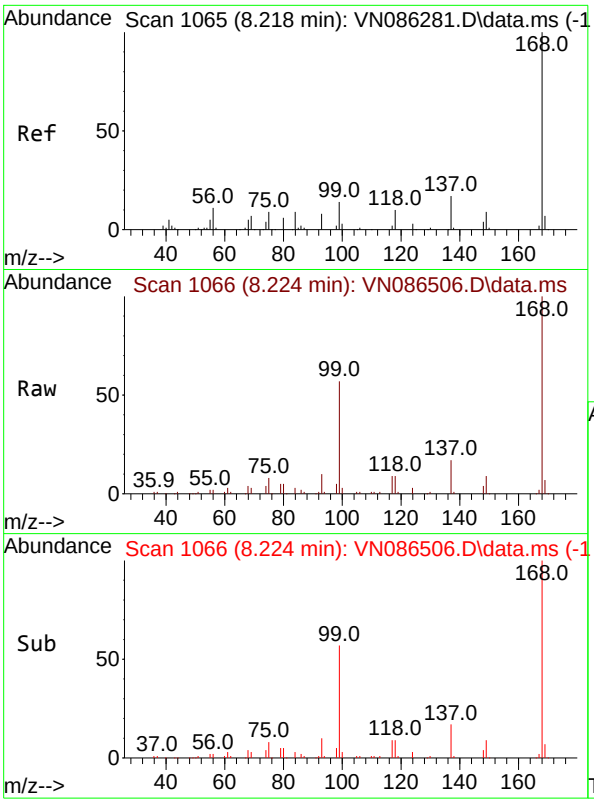
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086506.D
Acq On : 06 May 2025 11:35
Operator : JC\MD
Sample : VN0506WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

Quant Time: May 07 02:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



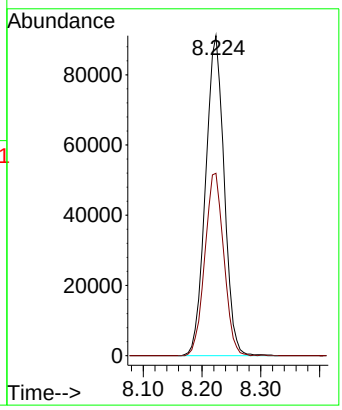


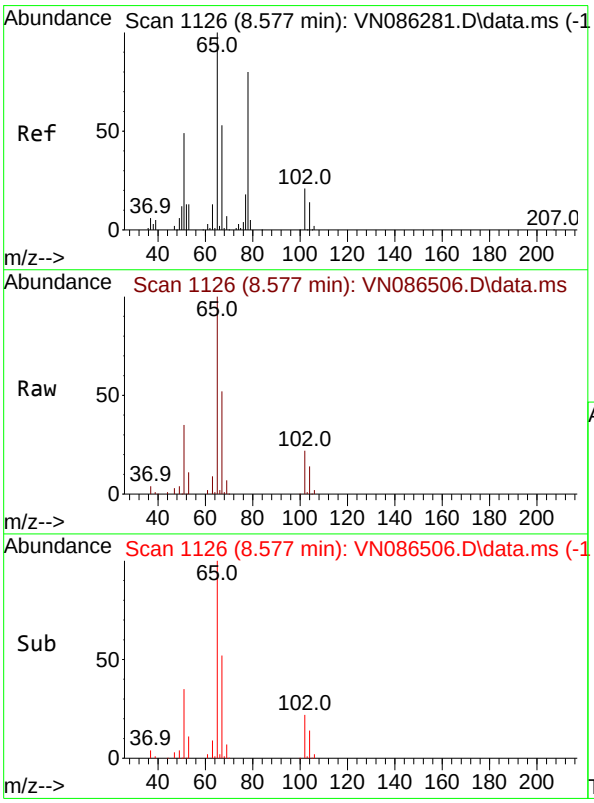
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

Tgt Ion:168 Resp: 200028

Ion	Ratio	Lower	Upper
168	100		
99	57.0	52.5	78.7

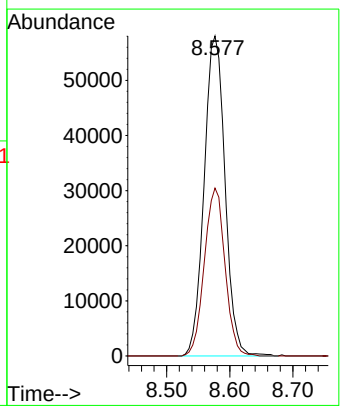


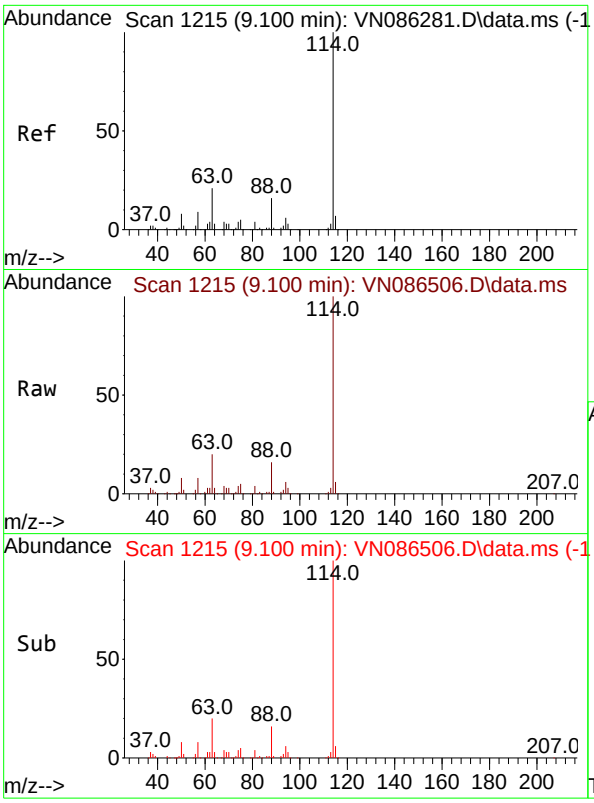


#33
1,2-Dichloroethane-d4
Concen: 45.982 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion: 65 Resp: 133375

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.0



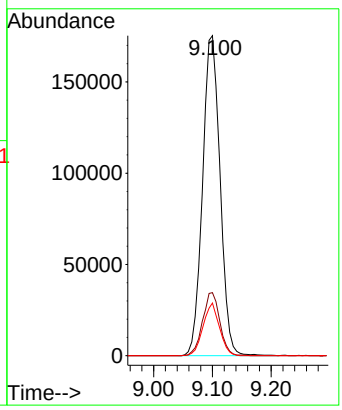


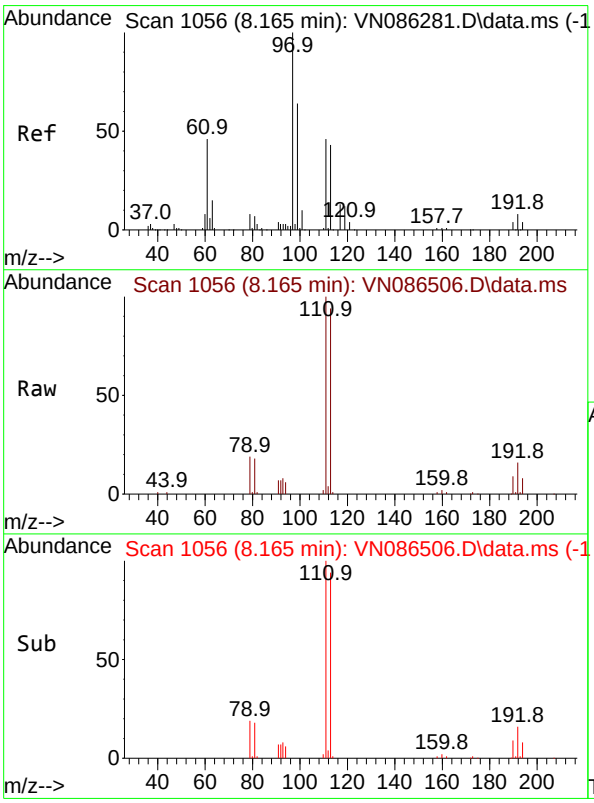
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

Tgt Ion:114 Resp: 363115

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.6
88	16.5	0.0	31.8

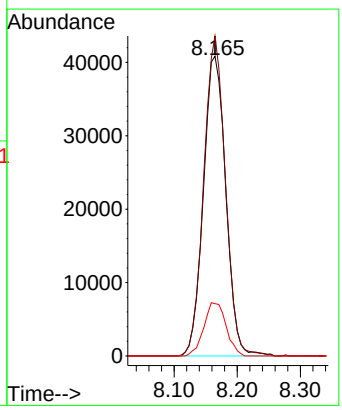


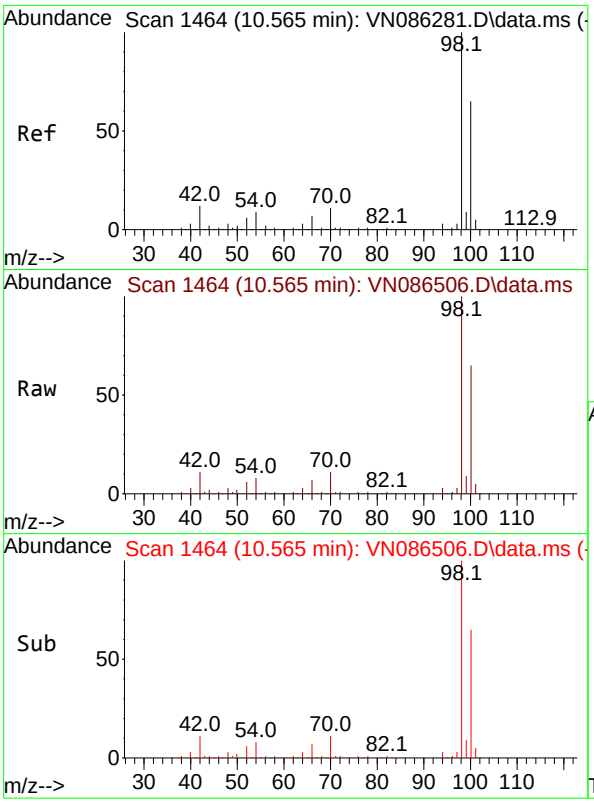


#35
Dibromofluoromethane
Concen: 59.898 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion:113 Resp: 100944

Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.4	125.0
192	17.6	13.7	20.5



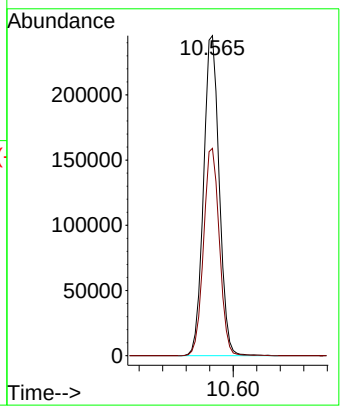


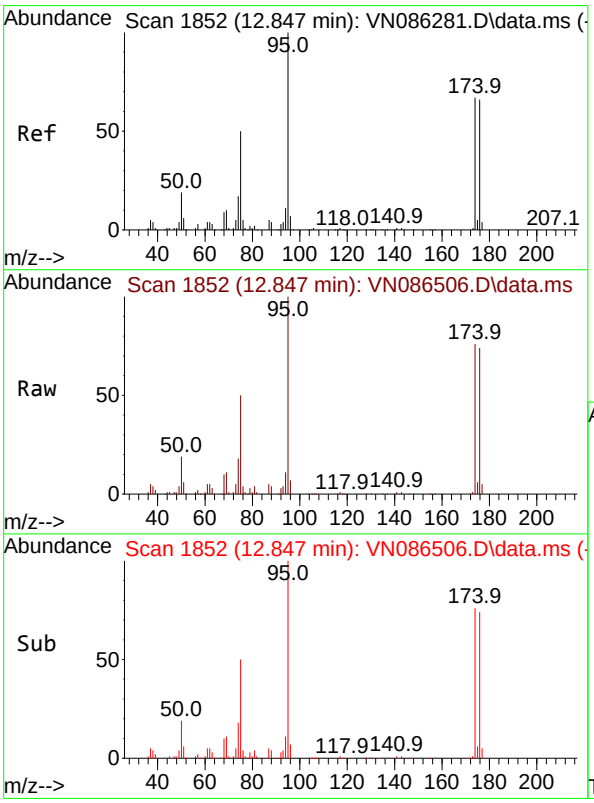
#50
Toluene-d8
Concen: 50.554 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

Tgt Ion: 98 Resp: 455335

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.5	78.7

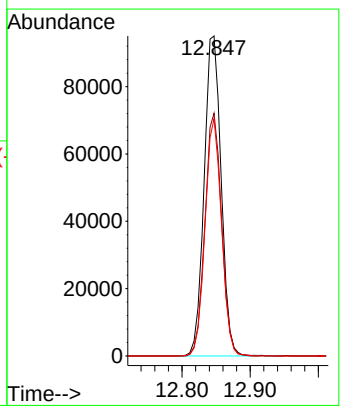


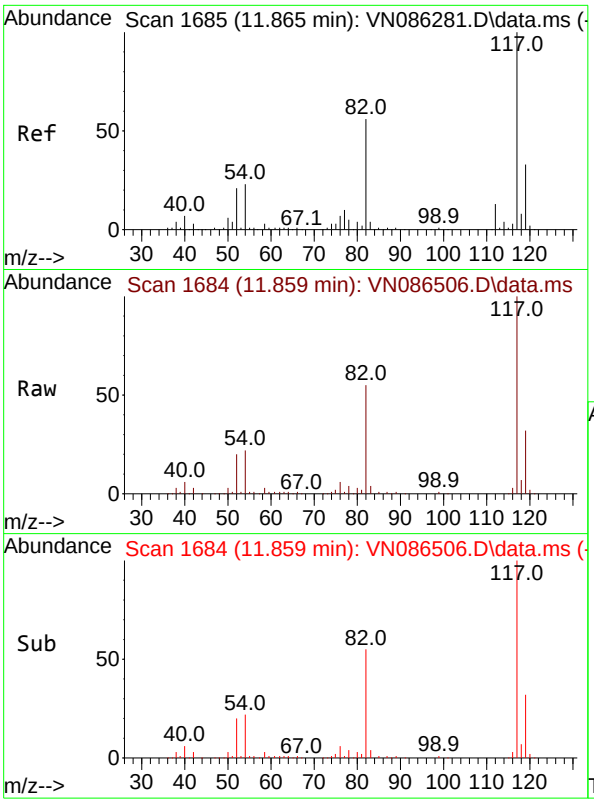


#62
4-Bromofluorobenzene
Concen: 50.227 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion: 95 Resp: 165005

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	133.4
176	71.6	0.0	129.2



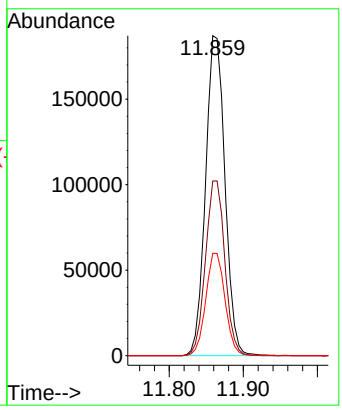


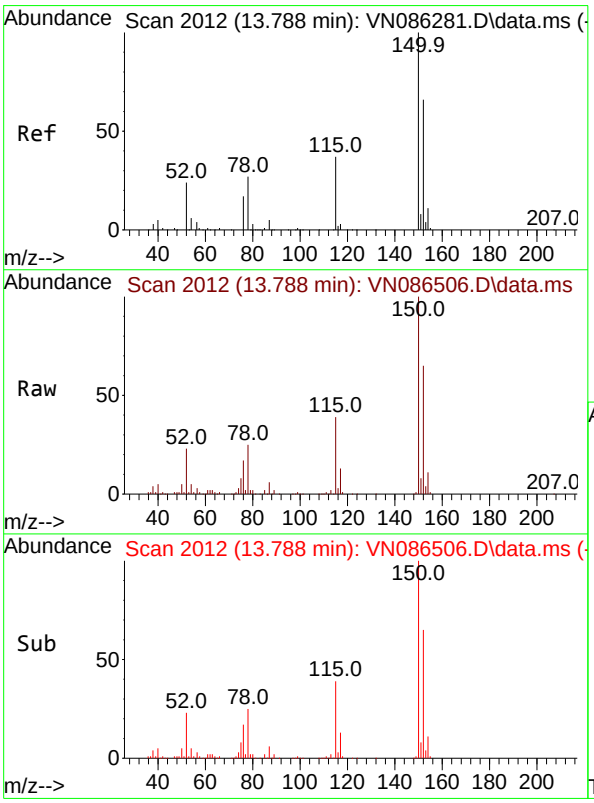
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

Tgt Ion:117 Resp: 340109

Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.7	67.1
119	32.0	26.4	39.6

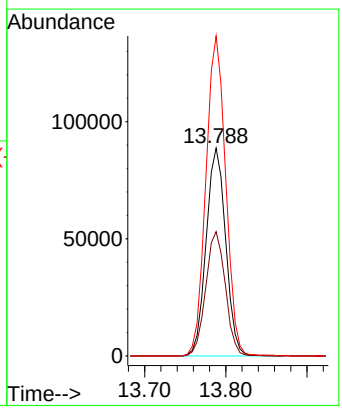




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion:152 Resp: 148177

Ion	Ratio	Lower	Upper
152	100		
115	60.0	31.9	95.9
150	155.7	0.0	352.0



Raw Data: **VN086507.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0506WBS01	SDG No.:	Q1956
Lab Sample ID:	VN0506WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086507.D	1		05/06/25 11:59	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.5		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.3		0.23	5.00	ug/L
78-93-3	2-Butanone	79.6		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.2		0.25	5.00	ug/L
67-66-3	Chloroform	17.9		0.25	5.00	ug/L
71-43-2	Benzene	18.4		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.22	5.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	20.4		0.23	5.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.3		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	57.8		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	48.7		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	8.224			
540-36-3	1,4-Difluorobenzene	354000	9.1			
3114-55-4	Chlorobenzene-d5	311000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	140000	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\VN050625\
Data File : VN086507.D
Acq On : 06 May 2025 11:59
Operator : JC\MD
Sample : VN0506WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 02:54:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	202593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	354153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136124	46.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.680%			
35) Dibromofluoromethane	8.165	113	95028	57.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.620%			
50) Toluene-d8	10.565	98	427703	48.688	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.847	95	148011	46.194	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41264	17.182	ug/l	97
3) Chloromethane	2.359	50	50503	14.469	ug/l	99
4) Vinyl Chloride	2.518	62	51702	15.523	ug/l	100
5) Bromomethane	2.965	94	30177	20.142	ug/l	98
6) Chloroethane	3.124	64	35431	15.894	ug/l	97
7) Trichlorofluoromethane	3.501	101	68828	18.655	ug/l	98
8) Diethyl Ether	3.965	74	27145	16.853	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	41571	18.626	ug/l	99
10) Methyl Iodide	4.589	142	49851	20.316	ug/l	98
11) Tert butyl alcohol	5.512	59	44390	82.814	ug/l	100
12) 1,1-Dichloroethene	4.336	96	41252	17.300	ug/l	97
13) Acrolein	4.171	56	27387	100.552	ug/l	99
14) Allyl chloride	5.024	41	59570	14.053	ug/l	94
15) Acrylonitrile	5.718	53	109076	82.317	ug/l	100
16) Acetone	4.424	43	88302	83.127	ug/l	98
17) Carbon Disulfide	4.712	76	107615	15.073	ug/l	100
18) Methyl Acetate	5.024	43	51908	14.720	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	150322	17.150	ug/l	97
20) Methylene Chloride	5.277	84	46447	17.102	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	44053	17.671	ug/l	91
22) Diisopropyl ether	6.665	45	142406	15.443	ug/l	96
23) Vinyl Acetate	6.600	43	516181	80.077	ug/l	97
24) 1,1-Dichloroethane	6.565	63	82081	16.870	ug/l	97
25) 2-Butanone	7.483	43	145591	79.618	ug/l	95
26) 2,2-Dichloropropane	7.489	77	75940	17.432	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	54597	17.645	ug/l	94
28) Bromochloromethane	7.812	49	35405	17.162	ug/l	86
29) Tetrahydrofuran	7.836	42	89668	73.330	ug/l	90
30) Chloroform	7.965	83	85325	17.853	ug/l	97
31) Cyclohexane	8.253	56	74980	15.749	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	75429	18.449	ug/l	96
36) 1,1-Dichloropropene	8.371	75	60471	18.420	ug/l	98
37) Ethyl Acetate	7.559	43	58191	16.836	ug/l	100
38) Carbon Tetrachloride	8.359	117	63140	20.196	ug/l	97
39) Methylcyclohexane	9.600	83	69086	17.705	ug/l	97
40) Benzene	8.600	78	193491	18.395	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086507.D
Acq On : 06 May 2025 11:59
Operator : JC\MD
Sample : VN0506WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 02:54:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	33433	16.690	ug/l		98
42) 1,2-Dichloroethane	8.665	62	64305	19.171	ug/l		99
43) Isopropyl Acetate	8.688	43	112112	16.577	ug/l		99
44) Trichloroethene	9.347	130	49109	19.698	ug/l		98
45) 1,2-Dichloropropane	9.618	63	45760	17.773	ug/l		98
46) Dibromomethane	9.706	93	32650	19.903	ug/l		94
47) Bromodichloromethane	9.888	83	67355	19.010	ug/l		100
48) Methyl methacrylate	9.677	41	49327	16.252	ug/l		94
49) 1,4-Dioxane	9.688	88	19198	371.850	ug/l		92
51) 4-Methyl-2-Pentanone	10.441	43	302800	85.555	ug/l		98
52) Toluene	10.629	92	124084	18.906	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	72026	18.211	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	78500	18.070	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	45810	19.400	ug/l		98
56) Ethyl methacrylate	10.871	69	75226	17.331	ug/l		97
57) 1,3-Dichloropropane	11.159	76	79702	19.024	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	135415	65.729	ug/l		97
59) 2-Hexanone	11.194	43	222499	84.756	ug/l		99
60) Dibromochloromethane	11.353	129	50453	19.457	ug/l		99
61) 1,2-Dibromoethane	11.465	107	47293	19.848	ug/l		100
64) Tetrachloroethene	11.100	164	48845	20.396	ug/l		96
65) Chlorobenzene	11.888	112	135029	19.435	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	45717	19.946	ug/l		98
67) Ethyl Benzene	11.959	91	234561	18.709	ug/l		100
68) m/p-Xylenes	12.071	106	178693	38.037	ug/l		97
69) o-Xylene	12.394	106	87782	18.895	ug/l		98
70) Styrene	12.406	104	145972	18.857	ug/l		99
71) Bromoform	12.576	173	33235	19.259	ug/l	#	99
73) Isopropylbenzene	12.694	105	219087	19.114	ug/l		100
74) N-amyl acetate	12.488	43	88062	15.433	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	62576	18.988	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	59291m	17.931	ug/l		
77) Bromobenzene	12.976	156	51777	20.387	ug/l		90
78) n-propylbenzene	13.035	91	247704	18.340	ug/l		99
79) 2-Chlorotoluene	13.123	91	156429	18.509	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	177298	18.899	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	22195	16.121	ug/l		94
82) 4-Chlorotoluene	13.218	91	153685	18.306	ug/l		98
83) tert-Butylbenzene	13.435	119	152115	18.714	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	178063	18.647	ug/l		99
85) sec-Butylbenzene	13.612	105	206719	18.334	ug/l		97
86) p-Isopropyltoluene	13.723	119	173735	18.694	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	94368	19.766	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	92775	19.293	ug/l		98
89) n-Butylbenzene	14.053	91	143499	17.420	ug/l		99
90) Hexachloroethane	14.329	117	27726	17.737	ug/l		93
91) 1,2-Dichlorobenzene	14.100	146	92703	20.028	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12145	18.277	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	43719	19.725	ug/l		97
94) Hexachlorobutadiene	15.500	225	16283	19.462	ug/l		98
95) Naphthalene	15.635	128	143926	18.319	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	41089	19.581	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086507.D
Acq On : 06 May 2025 11:59
Operator : JC\MD
Sample : VN0506WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 02:54:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

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

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

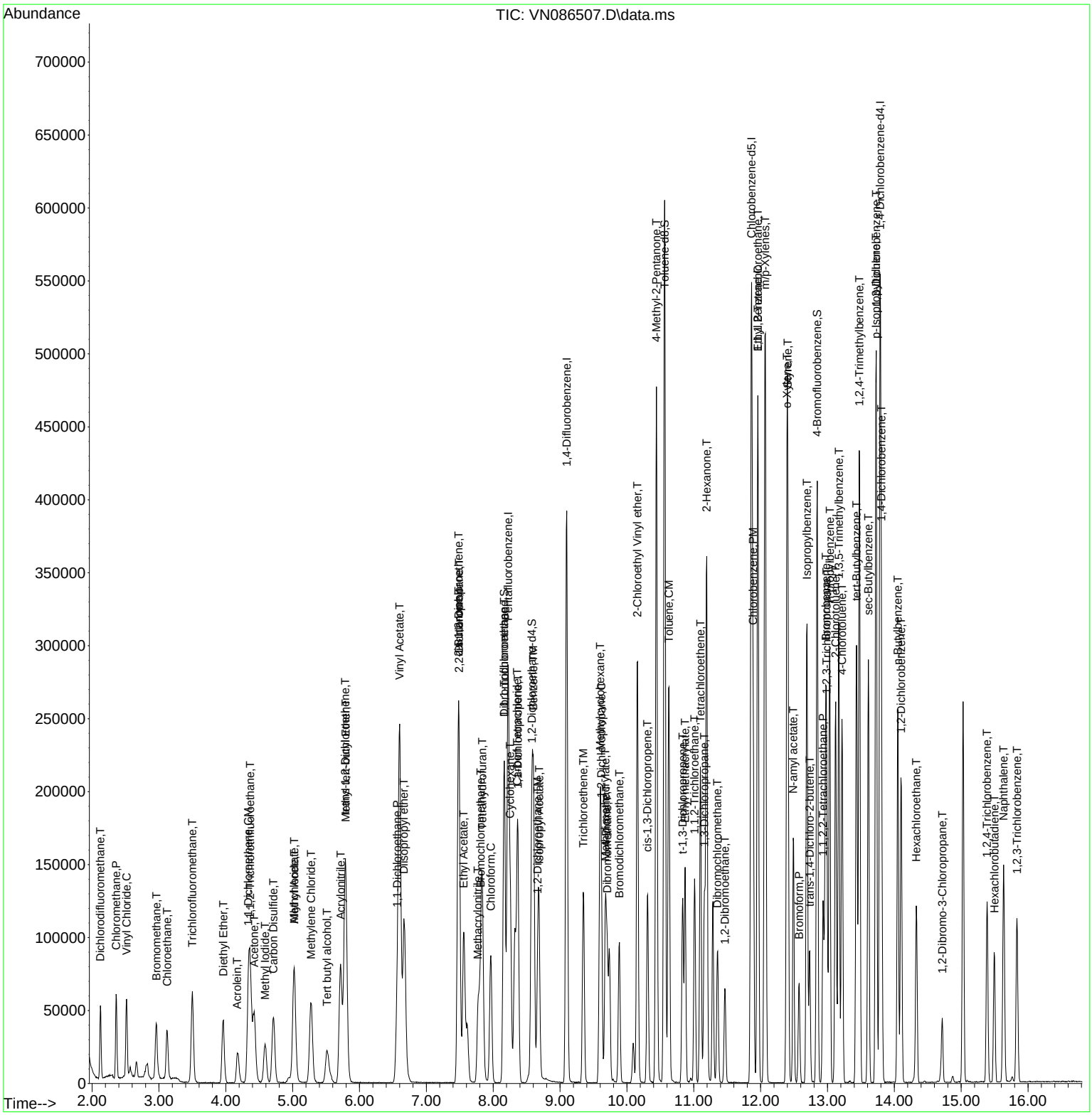
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086507.D
Acq On : 06 May 2025 11:59
Operator : JC\MD
Sample : VN0506WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 02:54:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025



Raw Data: **VN086508.D**

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

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	Bergen Point Fueling System		Date Received:		
Client Sample ID:	VN0506WBSD01		SDG No.:	Q1956	
Lab Sample ID:	VN0506WBSD01		Matrix:	TCLP	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	TCLP VOA	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086508.D	1		05/06/25 12:34	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.7		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.3		0.23	5.00	ug/L
78-93-3	2-Butanone	84.5		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.25	5.00	ug/L
67-66-3	Chloroform	19.0		0.25	5.00	ug/L
71-43-2	Benzene	18.9		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.22	5.00	ug/L
79-01-6	Trichloroethene	20.3		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	21.1		0.23	5.00	ug/L
108-90-7	Chlorobenzene	20.2		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	58.0		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	48.4		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	8.224			
540-36-3	1,4-Difluorobenzene	334000	9.1			
3114-55-4	Chlorobenzene-d5	300000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	140000	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\VN050625\
Data File : VN086508.D
Acq On : 06 May 2025 12:34
Operator : JC\MD
Sample : VN0506WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 07 02:54:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	333546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131176	48.365	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.740%			
35) Dibromofluoromethane	8.165	113	89736	57.968	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.940%			
50) Toluene-d8	10.565	98	400691	48.431	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.860%			
62) 4-Bromofluorobenzene	12.847	95	149764	49.629	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	39157	17.661	ug/l	99
3) Chloromethane	2.359	50	50536	15.683	ug/l	98
4) Vinyl Chloride	2.512	62	48335	15.719	ug/l	99
5) Bromomethane	2.959	94	29650	21.436	ug/l	100
6) Chloroethane	3.124	64	32998	16.034	ug/l	93
7) Trichlorofluoromethane	3.500	101	65218	19.147	ug/l	97
8) Diethyl Ether	3.953	74	27263	18.335	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.377	101	40062	19.443	ug/l	97
10) Methyl Iodide	4.589	142	47734	21.071	ug/l	98
11) Tert butyl alcohol	5.518	59	45251	91.442	ug/l	98
12) 1,1-Dichloroethene	4.342	96	38105	17.310	ug/l	95
13) Acrolein	4.183	56	26631	106.764	ug/l	98
14) Allyl chloride	5.024	41	55131	14.088	ug/l	93
15) Acrylonitrile	5.718	53	107406	87.799	ug/l	99
16) Acetone	4.430	43	87559	89.716	ug/l	97
17) Carbon Disulfide	4.712	76	102123	15.493	ug/l	99
18) Methyl Acetate	5.024	43	51854	15.927	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	150874	18.644	ug/l	99
20) Methylene Chloride	5.271	84	46450	18.526	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	41638	18.092	ug/l	87
22) Diisopropyl ether	6.671	45	138543	16.274	ug/l #	96
23) Vinyl Acetate	6.600	43	577000	96.957	ug/l	97
24) 1,1-Dichloroethane	6.565	63	78863	17.557	ug/l	98
25) 2-Butanone	7.477	43	142630	84.486	ug/l	94
26) 2,2-Dichloropropane	7.488	77	70503	17.530	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	52451	18.362	ug/l	95
28) Bromochloromethane	7.812	49	34914	18.332	ug/l	88
29) Tetrahydrofuran	7.835	42	93379	82.716	ug/l	94
30) Chloroform	7.965	83	83982	19.033	ug/l	98
31) Cyclohexane	8.253	56	70204	15.972	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	71618	18.973	ug/l	96
36) 1,1-Dichloropropene	8.365	75	57195	18.498	ug/l	97
37) Ethyl Acetate	7.559	43	59638	18.321	ug/l	99
38) Carbon Tetrachloride	8.359	117	59768	20.298	ug/l	95
39) Methylcyclohexane	9.594	83	65674	17.870	ug/l	97
40) Benzene	8.606	78	186896	18.866	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086508.D
Acq On : 06 May 2025 12:34
Operator : JC\MD
Sample : VN0506WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 07 02:54:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	31418	16.653	ug/l		91
42) 1,2-Dichloroethane	8.665	62	64691	20.478	ug/l		100
43) Isopropyl Acetate	8.682	43	109600	17.286	ug/l		98
44) Trichloroethene	9.347	130	47649	20.293	ug/l		94
45) 1,2-Dichloropropane	9.618	63	44962	18.542	ug/l		99
46) Dibromomethane	9.706	93	32828	21.247	ug/l		94
47) Bromodichloromethane	9.882	83	66500	19.928	ug/l		95
48) Methyl methacrylate	9.676	41	49579	17.344	ug/l		95
49) 1,4-Dioxane	9.688	88	19737	405.908	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.441	43	304166	91.250	ug/l		99
52) Toluene	10.629	92	121304	19.624	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	71696	19.247	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	76421	18.679	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	45459	20.440	ug/l		97
56) Ethyl methacrylate	10.871	69	76238	18.649	ug/l		97
57) 1,3-Dichloropropane	11.159	76	79182	20.067	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	134205	69.167	ug/l		96
59) 2-Hexanone	11.194	43	224272	90.709	ug/l		99
60) Dibromochloromethane	11.353	129	51858	21.235	ug/l		98
61) 1,2-Dibromoethane	11.465	107	47795	21.298	ug/l		99
64) Tetrachloroethene	11.100	164	48523	21.060	ug/l		98
65) Chlorobenzene	11.888	112	134763	20.161	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	46173	20.939	ug/l		98
67) Ethyl Benzene	11.959	91	231543	19.196	ug/l		97
68) m/p-Xylenes	12.070	106	179102	39.627	ug/l		97
69) o-Xylene	12.394	106	89910	20.115	ug/l		95
70) Styrene	12.406	104	148441	19.932	ug/l		99
71) Bromoform	12.576	173	34621	20.853	ug/l	#	100
73) Isopropylbenzene	12.694	105	215837	18.902	ug/l		99
74) N-amyl acetate	12.488	43	90266	15.879	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	64783	19.732	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	61228m	18.587	ug/l		
77) Bromobenzene	12.976	156	53552	21.166	ug/l		90
78) n-propylbenzene	13.029	91	250953	18.651	ug/l		98
79) 2-Chlorotoluene	13.123	91	161453	19.176	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	179840	19.243	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	23109	16.848	ug/l		94
82) 4-Chlorotoluene	13.217	91	158597	18.962	ug/l		97
83) tert-Butylbenzene	13.435	119	159687	19.719	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	180515	18.975	ug/l		98
85) sec-Butylbenzene	13.612	105	213449	19.003	ug/l		99
86) p-Isopropyltoluene	13.729	119	176728	19.088	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	95410	20.060	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	97281	20.307	ug/l		99
89) n-Butylbenzene	14.053	91	149297	18.193	ug/l		99
90) Hexachloroethane	14.329	117	28098	18.043	ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	93271	20.227	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11973	18.086	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	42631	19.307	ug/l		99
94) Hexachlorobutadiene	15.494	225	16711	20.049	ug/l		98
95) Naphthalene	15.635	128	142810	18.245	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	40339	19.297	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086508.D
Acq On : 06 May 2025 12:34
Operator : JC\MD
Sample : VN0506WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 07 02:54:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

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

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

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Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Manual Integrations APPROVED

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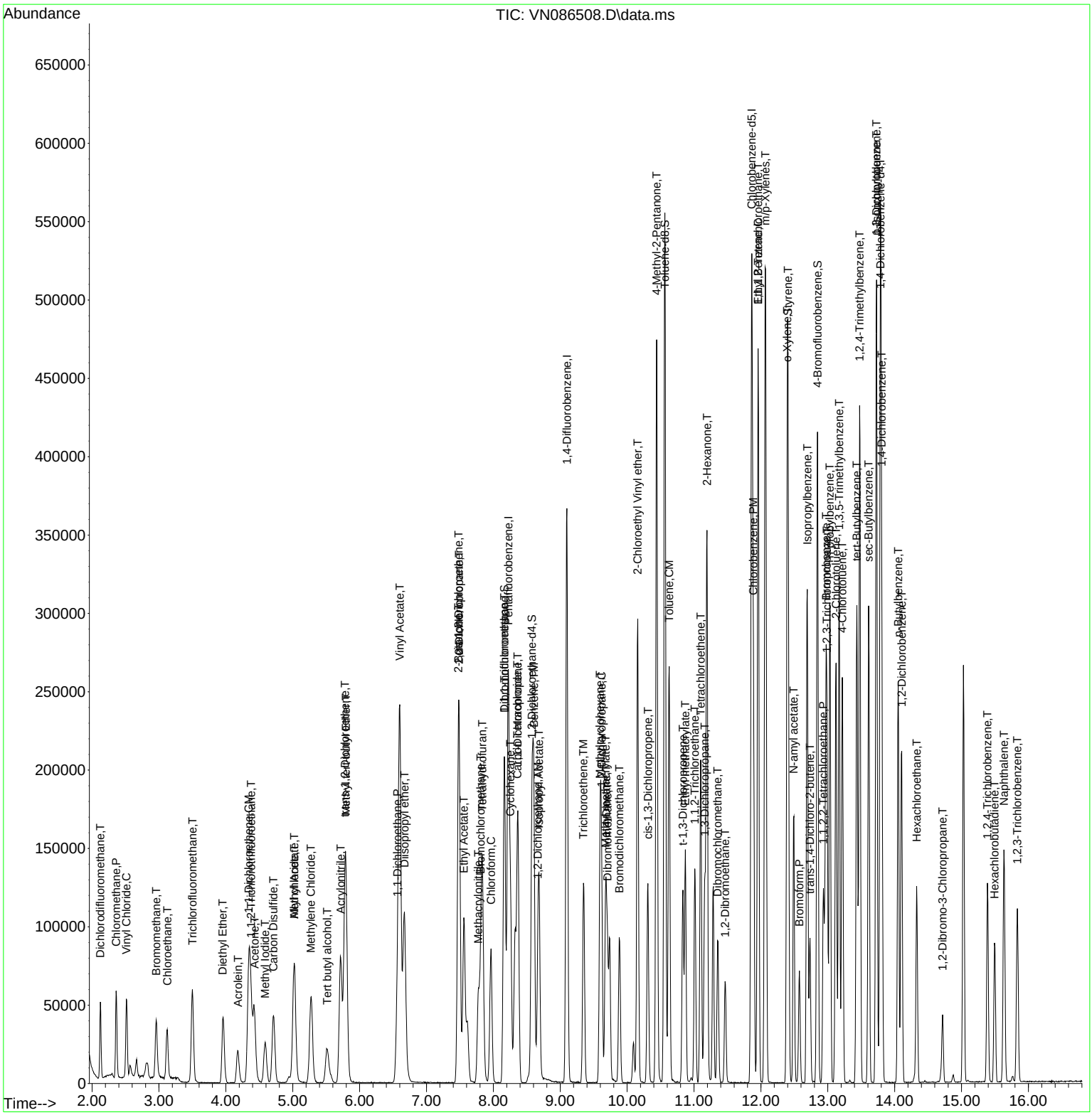

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086277.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	1,4-Dichlorobenzene	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	Acetone	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	Vinyl Acetate	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	Allyl chloride	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	Vinyl Acetate	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN086282.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICC100	VN086282.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn050625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086504.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:49:28 AM	MMDadoda	5/7/2025 1:28:59 PM	Peak Integrated by Software
VN0506WBS01	VN086507.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:49:34 AM	MMDadoda	5/7/2025 1:29:01 PM	Peak Integrated by Software
VN0506WBSD01	VN086508.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:49:39 AM	MMDadoda	5/7/2025 1:29:04 PM	Peak Integrated by Software
Q1956-05	VN086512.D	Isopropyl Acetate	JOHN	5/7/2025 9:49:49 AM	MMDadoda	5/7/2025 1:29:07 PM	Peak Integrated by Software
VSTDCCC050	VN086526.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:50:21 AM	MMDadoda	5/7/2025 1:29:26 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM				
SubDirectory	VN041525	HP Acquire Method	MSVOA_N		HP Processing Method	82N041525W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP133665
Initial Calibration Stds	VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC	
Internal Standard/PEM	VP131746
ICV/I.BLK	VP133673
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086276.D	15 Apr 2025 10:47	JC\MD	Ok
2	VSTDICC001	VN086277.D	15 Apr 2025 11:29	JC\MD	Ok,M
3	VSTDICC005	VN086278.D	15 Apr 2025 12:21	JC\MD	Ok,M
4	VSTDICC010	VN086279.D	15 Apr 2025 12:45	JC\MD	Ok,M
5	VSTDICC020	VN086280.D	15 Apr 2025 13:09	JC\MD	Ok,M
6	VSTDICCC050	VN086281.D	15 Apr 2025 13:51	JC\MD	Ok,M
7	VSTDICC100	VN086282.D	15 Apr 2025 14:29	JC\MD	Ok,M
8	VIBLK	VN086283.D	15 Apr 2025 15:06	JC\MD	Ok
9	VSTDICV050	VN086284.D	15 Apr 2025 15:30	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086503.D	06 May 2025 09:13	JC\MD	Ok
2	VSTDCCC050	VN086504.D	06 May 2025 10:35	JC\MD	Ok,M
3	VN0506MBL01	VN086505.D	06 May 2025 11:11	JC\MD	Ok
4	VN0506WBL01	VN086506.D	06 May 2025 11:35	JC\MD	Ok
5	VN0506WBS01	VN086507.D	06 May 2025 11:59	JC\MD	Ok,M
6	VN0506WBSD01	VN086508.D	06 May 2025 12:34	JC\MD	Ok,M
7	Q1947-04	VN086509.D	06 May 2025 12:58	JC\MD	Ok
8	Q1947-08	VN086510.D	06 May 2025 13:22	JC\MD	Ok
9	Q1951-04	VN086511.D	06 May 2025 13:46	JC\MD	Ok,M
10	Q1956-05	VN086512.D	06 May 2025 14:11	JC\MD	Ok,M
11	Q1959-02	VN086513.D	06 May 2025 14:35	JC\MD	Ok,M
12	Q1960-03	VN086514.D	06 May 2025 14:59	JC\MD	Ok,M
13	VN0506MBS01	VN086515.D	06 May 2025 15:23	JC\MD	Ok,M
14	VN0506MBSD01	VN086516.D	06 May 2025 15:47	JC\MD	Ok,M
15	Q1939-03	VN086517.D	06 May 2025 16:11	JC\MD	ReRun
16	Q1914-06ME	VN086518.D	06 May 2025 16:35	JC\MD	Ok
17	Q1914-07ME	VN086519.D	06 May 2025 16:59	JC\MD	Dilution
18	Q1914-08ME	VN086520.D	06 May 2025 17:23	JC\MD	Dilution
19	Q1914-09ME	VN086521.D	06 May 2025 17:48	JC\MD	Dilution
20	Q1966-03	VN086522.D	06 May 2025 18:12	JC\MD	ReRun
21	IBLK	VN086523.D	06 May 2025 18:36	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VN086524.D	06 May 2025 19:00	JC\MD	Ok
23	IBLK	VN086525.D	06 May 2025 19:24	JC\MD	Ok
24	VSTDCCC050	VN086526.D	06 May 2025 19:48	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM		
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133665
Initial Calibration Stds	VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC	
Internal Standard/PEM	VP131746
ICV/I.BLK	VP133673
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086276.D	15 Apr 2025 10:47		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086277.D	15 Apr 2025 11:29		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086278.D	15 Apr 2025 12:21	Comp.#13,16 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC010	VSTDICC010	VN086279.D	15 Apr 2025 12:45	Comp.#43 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN086280.D	15 Apr 2025 13:09		JC\MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VN086281.D	15 Apr 2025 13:51		JC\MD	Ok,M
7	VSTDICC100	VSTDICC100	VN086282.D	15 Apr 2025 14:29		JC\MD	Ok,M
8	VIBLK	VIBLK	VN086283.D	15 Apr 2025 15:06		JC\MD	Ok
9	VSTDICV050	ICVVN041525	VN086284.D	15 Apr 2025 15:30		JC\MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
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	VN086503.D	06 May 2025 09:13		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086504.D	06 May 2025 10:35	CCC Failed Low For Com.#17,31	JC\MD	Ok,M
3	VN0506MBL01	VN0506MBL01	VN086505.D	06 May 2025 11:11		JC\MD	Ok
4	VN0506WBL01	VN0506WBL01	VN086506.D	06 May 2025 11:35		JC\MD	Ok
5	VN0506WBS01	VN0506WBS01	VN086507.D	06 May 2025 11:59		JC\MD	Ok,M
6	VN0506WBSD01	VN0506WBSD01	VN086508.D	06 May 2025 12:34		JC\MD	Ok,M
7	Q1947-04	MH-P	VN086509.D	06 May 2025 12:58	vial A pH#5.0	JC\MD	Ok
8	Q1947-08	MH-O	VN086510.D	06 May 2025 13:22	vial A pH#5.0	JC\MD	Ok
9	Q1951-04	MH-KK	VN086511.D	06 May 2025 13:46	vial A pH#5.0	JC\MD	Ok,M
10	Q1956-05	COMP1	VN086512.D	06 May 2025 14:11	vial A pH#5.0	JC\MD	Ok,M
11	Q1959-02	SOIL-PILE	VN086513.D	06 May 2025 14:35	vial A pH#5.0	JC\MD	Ok,M
12	Q1960-03	72-11933	VN086514.D	06 May 2025 14:59	vial A pH#5.0	JC\MD	Ok,M
13	VN0506MBS01	VN0506MBS01	VN086515.D	06 May 2025 15:23		JC\MD	Ok,M
14	VN0506MBSD01	VN0506MBSD01	VN086516.D	06 May 2025 15:47		JC\MD	Ok,M
15	Q1939-03	GB2	VN086517.D	06 May 2025 16:11	CCC Failed Low	JC\MD	ReRun
16	Q1914-06ME	SS-5ME	VN086518.D	06 May 2025 16:35		JC\MD	Ok
17	Q1914-07ME	SS-6ME	VN086519.D	06 May 2025 16:59	Need 20X	JC\MD	Dilution

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1914-08ME	SS-7ME	VN086520.D	06 May 2025 17:23	Need 20X	JC\MD	Dilution
19	Q1914-09ME	SS-8ME	VN086521.D	06 May 2025 17:48	Need 20X	JC\MD	Dilution
20	Q1966-03	SILICA-GEL	VN086522.D	06 May 2025 18:12	CCC Failed Low,Run@ Lower Dilution	JC\MD	ReRun
21	IBLK	IBLK	VN086523.D	06 May 2025 18:36		JC\MD	Ok
22	IBLK	IBLK	VN086524.D	06 May 2025 19:00		JC\MD	Ok
23	IBLK	IBLK	VN086525.D	06 May 2025 19:24		JC\MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VN086526.D	06 May 2025 19:48		JC\MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167852

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 50223706

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

End Prep Date : 05/06/2025 **Time :** 08:35

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ VX050625

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JZ

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 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/06/25 09:35	JP TCLP Room	S-Y VOC
	Preparation Group	Analysis Group Lab

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167852

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
PB167852TB	LEB852	07	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-1
Q1947-04	MH-P	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1947-08	MH-O	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1951-04	MH-KK	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1956-05	COMP1	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1959-02	SOIL-PILE	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1960-03	72-11933	06	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167852TB	LEB852	N/A	N/A	N/A	N/A	N/A	N/A
Q1947-04	MH-P	N/A	N/A	N/A	N/A	100	N/A
Q1947-08	MH-O	N/A	N/A	N/A	N/A	100	N/A
Q1951-04	MH-KK	N/A	N/A	N/A	N/A	100	N/A
Q1956-05	COMP1	N/A	N/A	N/A	N/A	100	N/A
Q1959-02	SOIL-PILE	N/A	N/A	N/A	N/A	100	N/A
Q1960-03	72-11933	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q1956 **WorkList ID :** 189320 **Department :** TCLP Extraction **Date :** 05-05-2025 11:14:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1947-04	MH-P	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/02/2025	1311 ZHE
Q1947-08	MH-O	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/02/2025	1311 ZHE
Q1951-04	MH-KK	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/02/2025	1311 ZHE
Q1956-05	COMP1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	05/02/2025	1311 ZHE
Q1959-02	SOIL-PILE	Solid	TCLP ZHE Extraction	Cool 4 deg C	CAMP02	L31	05/02/2025	1311 ZHE
Q1960-03	72-11933	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L51	05/05/2025	1311 ZHE

Date/Time 05/05/25 17:30 14:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 05/05/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by:

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q19560
COC Number 2046701

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM Smith
ADDRESS: 110 Fieldcrest Avenue #8 6th Floor
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: Marcie Encinas
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: Bergen Point Project
PROJECT NO.: 99939 LOCATION: W. Babylon, NY
PROJECT MANAGER: Marcie Encinas
e-mail: ENcinasMA@CDMSmith.com
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM Smith PO#:
ADDRESS: 110 Fieldcrest Avenue, #8 Floor 6th
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: Marcie Encinas PHONE: 732-590-4690

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: TCL VOC
2: TCL SVOC
3: TAL METALS
4: PCBs
5: PESTICIDES
6: HERBICIDES
7: PRO/GRO
8: FULL TCLP
9: RCRA CHARAC

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	SB1 - 3-4'	Soil		X	5/1/25	9:00am	13	X	X	X	X	X	X	X			E
2.	SB2-4-5'	Soil		X	5/2/25	12:00pm	13	X	X	X	X	X	X	X			E
3.	COMP1	Soil	X		5/2/25	1:30pm	3								X	X	E
4.	SB91 - 3-4'	Soil		X	5/1/25	9:20am	13	X	X	X	X	X	X	X	X		E
5.	SB2 - MS	Soil		X	5/2/25	12:30pm	13	X	X	X	X	X	X	X			E
6.	SB2 - MSD	Soil		X	5/2/25	12:40pm	13	X	X	X	X	X	X	X			E
7.	FB-05022025	Aqueous		X	5/2/25	11:00am	9	X	X	X	X	X	X	X			E, A, B
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5.2.2025 1404	1.
2.		2.
3.	5.2.2025 1826	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.3 °C
Comments: IR Gun #1 (Adjusted Factor + 1)

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1956 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/2/2025 3:14:35 PM
Project Name : Bergen Point Fueling Syste
Receive DateTime : 5/2/2025 ~~12:00:00~~ AM 18:26
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1956-01	SB1-3-4	Solid	05/01/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-02	SB2-4-5	Solid	05/02/2025	12:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-03	Q1956-02MS	Solid	05/02/2025	12:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-04	Q1956-02MSD	Solid	05/02/2025	12:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-06	~~SB19~~-3-4 SB91	Solid	05/01/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-07	FB-05022025	Water	05/02/2025	11:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1956 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/2/2025 3:14:35 PM
Project Name : Bergen Point Fueling Syste
Receive DateTime : 5/2/2025 ~~12:00:00~~ 15:26 AM
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1956-09 TB		water	5/2/25	12:00	VOC-TCLVOA-10		8260-LOW		10 Bus Days.

Relinguished By : [signature]
Date / Time : 5/5/25 0835

Received By : [signature]
Date / Time : 5/5/25 08:35
Storage Area : VOA Refridgerator Room

Rep # 6
FZ-2