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Cover Page

Order ID : P5291

Project ID : Con Edison Non-MGP - Atlantic Avenue

Client : PARSONS Main of New York, Inc.

Lab Sample Number	Client Sample Number
P5291-01	MW1A-20241213
P5291-02	MW10D-20241213
P5291-03	MW4-20241213
P5291-04	MW5-20241213
P5291-05	MW2-20241213
P5291-06	MW3-20241213
P5291-07	MW6-20241213
P5291-08	P5291-07MS
P5291-09	P5291-07MSD
P5291-10	MW6-20241213-A
P5291-11	EQUIP-BLANK-20241213
P5291-12	TB-20241216
P5291-13	WC-20241213

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: 12/24/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5291**

	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:** **12/24/2024**

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LAB CHRONICLE

OrderID:	P5291	**OrderDate:**	12/16/2024 10:45:00 AM
Client:	PARSONS Main of New York, Inc.	**Project:**	Con Edison Non-MGP - Atlantic Avenue
Contact:	Stephen Liberatore	**Location:**	L51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5291-01	**MW1A-20241213**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/17/24	
P5291-02	**MW10D-20241213**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/17/24	
P5291-03	**MW4-20241213**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/17/24	
P5291-04	**MW5-20241213**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/17/24	
P5291-05	**MW2-20241213**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/17/24	
P5291-05DL	**MW2-20241213DL**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/18/24	
P5291-06	**MW3-20241213**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/17/24	
P5291-06DL	**MW3-20241213DL**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/18/24	
P5291-07	**MW6-20241213**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/17/24	
P5291-07DL	**MW6-20241213DL**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/18/24	
P5291-10	**MW6-20241213-A**	**Water**			**12/13/24**			**12/16/24**
			VOCMS Group1	8260-Low			12/17/24	
P5291-10DL	**MW6-20241213-ADL**	**Water**			**12/13/24**			**12/16/24**

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LAB CHRONICLE

			VOCMS Group1	8260-Low		12/18/24	
P5291-11	**EQUIP-BLANK-20241213**	**Water**			**12/13/24**		**12/16/24**
			VOCMS Group1	8260-Low		12/18/24	
P5291-12	**TB-20241216**	**Water**			**12/13/24**		**12/16/24**
			VOCMS Group1	8260-Low		12/17/24	
P5291-13	**WC-20241213**	**TCLP**			**12/13/24**		**12/16/24**
			TCLP VOA	8260D		12/17/24	

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Hit Summary Sheet
SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WC-20241213**							
P5291-13	WC-20241213	TCLP	Chloroform	5.00		0.26	5.00	ug/L
P5291-13	WC-20241213	TCLP	Benzene	15.9		0.16	5.00	ug/L
			Total Voc :	20.9				
			Total Concentration:	20.9				

QC SUMMARY

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Surrogate Summary

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5291-13	WC-20241213	1,2-Dichloroethane-d4	50	49.8	100	74	125
		Dibromofluoromethane	50	48.0	96	75	124
		Toluene-d8	50	48.5	97	86	113
		4-Bromofluorobenzene	50	50.0	100	77	121

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Surrogate Summary

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5291-08MS	MW6-20241213MS	1,2-Dichloroethane-d4	50	50.7	101	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	48.9	98	86	113
		4-Bromofluorobenzene	50	52.7	105	77	121
P5291-09MSD	MW6-20241213MSD	1,2-Dichloroethane-d4	50	48.9	98	74	125
		Dibromofluoromethane	50	49.1	98	75	124
		Toluene-d8	50	48.2	96	86	113
		4-Bromofluorobenzene	50	50.1	100	77	121
VN1217WBL01	VN1217WBL01	1,2-Dichloroethane-d4	50	52.0	104	74	125
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	49.0	98	86	113
		4-Bromofluorobenzene	50	41.6	83	77	121
VN1217WBS02	VN1217WBS02	1,2-Dichloroethane-d4	50	49.8	100	74	125
		Dibromofluoromethane	50	53.0	106	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	53.1	106	77	121

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID :	**P5291-08MS**	**Client Sample ID :**	**MW6-20241213MS**					**Datafile :**	VN085240.D		
Vinyl chloride	50	0	59.6	ug/L	119				69	125	
1,1-Dichloroethene	50	0	54.6	ug/L	109				53	162	
2-Butanone	250	0	290	ug/L	116				67	137	
Carbon Tetrachloride	50	0	53.5	ug/L	107				66	133	
Chloroform	50	0	52.0	ug/L	104				83	119	
Benzene	50	300	390	ug/L	180	*			81	128	
1,2-Dichloroethane	50	0	50.8	ug/L	102				76	120	
Trichloroethene	50	0	52.3	ug/L	105				28	175	
Tetrachloroethene	50	0	47.4	ug/L	95				48	153	
Chlorobenzene	50	0	48.9	ug/L	98				85	114	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID :	**P5291-09MSD**	**Client Sample ID :**	**MW6-20241213MSD**					**Datafile :**	VN085241.D		
Vinyl chloride	50	0	61.1	ug/L	122		2		69	125	20
1,1-Dichloroethene	50	0	55.2	ug/L	110		1		53	162	20
2-Butanone	250	0	310	ug/L	124		7		67	137	20
Carbon Tetrachloride	50	0	57.0	ug/L	114		6		66	133	20
Chloroform	50	0	52.9	ug/L	106		2		83	119	20
Benzene	50	300	380	ug/L	160	*	12		81	128	20
1,2-Dichloroethane	50	0	53.1	ug/L	106		4		76	120	20
Trichloroethene	50	0	54.7	ug/L	109		4		28	175	20
Tetrachloroethene	50	0	50.3	ug/L	101		6		48	153	20
Chlorobenzene	50	0	50.8	ug/L	102		4		85	114	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low **Datafile :** VN085222.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1217WBS02	Vinyl chloride	20	21.8	ug/L	109			65	117	
	1,1-Dichloroethene	20	19.4	ug/L	97			74	110	
	2-Butanone	100	94.9	ug/L	95			65	122	
	Carbon Tetrachloride	20	21.9	ug/L	110			77	113	
	Chloroform	20	18.9	ug/L	95			79	113	
	Benzene	20	20.4	ug/L	102			82	109	
	1,2-Dichloroethane	20	20.2	ug/L	101			80	115	
	Trichloroethene	20	20.6	ug/L	103			77	113	
	Tetrachloroethene	20	20.8	ug/L	104			67	123	
	Chlorobenzene	20	19.1	ug/L	96			82	109	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1217WBL01

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291

Lab File ID: VN085220.D Lab Sample ID: VN1217WBL01

Date Analyzed: 12/17/2024 Time Analyzed: 13:08

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
VN1217WBS02	VN1217WBS02	VN085222.D	12/17/2024
WC-20241213	P5291-13	VN085237.D	12/17/2024
MW6-20241213MS	P5291-08MS	VN085240.D	12/17/2024
MW6-20241213MSD	P5291-09MSD	VN085241.D	12/17/2024

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291

Lab File ID: VN085003.D BFB Injection Date: 11/22/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:29

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	19.7
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.7 (96.2) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085005.D	11/22/2024	11:22
VSTDICCC050	VSTDICCC050	VN085006.D	11/22/2024	11:46
VSTDICC020	VSTDICC020	VN085007.D	11/22/2024	12:10
VSTDICC010	VSTDICC010	VN085008.D	11/22/2024	12:34
VSTDICC005	VSTDICC005	VN085009.D	11/22/2024	12:57
VSTDICC001	VSTDICC001	VN085010.D	11/22/2024	13:45

Raw Data: **VN085217.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291

Lab File ID: VN085217.D BFB Injection Date: 12/17/2024

Instrument ID: MSVOA_N BFB Injection Time: 11:36

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	79.3
175	5.0 - 9.0% of mass 174	6.3 (7.9) 1
176	95.0 - 101.0% of mass 174	75.4 (95) 1
177	5.0 - 9.0% of mass 176	5 (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
VSTDCCC050	VSTDCCC050	VN085218.D	12/17/2024	12:10
VN1217WBL01	VN1217WBL01	VN085220.D	12/17/2024	13:08
VN1217WBS02	VN1217WBS02	VN085222.D	12/17/2024	14:09
WC-20241213	P5291-13	VN085237.D	12/17/2024	20:22
MW6-20241213MS	P5291-08MS	VN085240.D	12/17/2024	21:35
MW6-20241213MSD	P5291-09MSD	VN085241.D	12/17/2024	21:59

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291

Lab File ID: VN085218.D Date Analyzed: 12/17/2024

Instrument ID: MSVOA_N Time Analyzed: 12:10

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	147251	8.22	228600	9.10	208199	11.87
UPPER LIMIT	294502	8.724	457200	9.6	416398	12.365
LOWER LIMIT	73625.5	7.724	114300	8.6	104100	11.365
EPA SAMPLE NO.						
MW6-20241213MS	150098	8.22	255819	9.10	227606	11.87
MW6-20241213MSD	153484	8.22	255174	9.10	228107	11.87
WC-20241213	147129	8.22	259253	9.10	224725	11.87
VN1217WBL01	142158	8.22	245850	9.10	212586	11.87
VN1217WBS02	156058	8.22	250626	9.10	224078	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: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291

Lab File ID: VN085218.D Date Analyzed: 12/17/2024

Instrument ID: MSVOA_N Time Analyzed: 12:10

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

	IS4 AREA #	RT #				
12 HOUR STD	110571	13.788				
UPPER LIMIT	221142	14.288				
LOWER LIMIT	55285.5	13.288				
EPA SAMPLE NO.						
MW6-20241213MS	111390	13.79				
MW6-20241213MSD	107049	13.79				
WC-20241213	99799	13.79				
VN1217WBL01	80399	13.79				
VN1217WBS02	109988	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	WC-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-13	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
VN085237.D	1		12/17/24 20:22	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	5.00		0.26	5.00	ug/L
71-43-2	Benzene	15.9		0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	48.5		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	147000	8.224			
540-36-3	1,4-Difluorobenzene	259000	9.1			
3114-55-4	Chlorobenzene-d5	225000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	99800	13.794			

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: **VN085237.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085237.D
Acq On : 17 Dec 2024 20:22
Operator : JC\MD
Sample : P5291-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 18 00:41:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-20241213

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	147129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	224725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104389	49.810	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.620%			
35) Dibromofluoromethane	8.165	113	83952	48.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.040%			
50) Toluene-d8	10.565	98	303820	48.491	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.980%			
62) 4-Bromofluorobenzene	12.847	95	117148	49.997	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.000%			
Target Compounds						Qvalue
16) Acetone	4.436	43	12406	20.326	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	6002m	1.176	ug/l	
30) Chloroform	7.965	83	16734	4.961	ug/l	95
39) Methylcyclohexane	9.600	83	10673	4.337	ug/l	94
40) Benzene	8.606	78	119235	15.920	ug/l	100
52) Toluene	10.629	92	23658	5.336	ug/l	97
67) Ethyl Benzene	11.965	91	291333	35.234	ug/l	99
68) m/p-Xylenes	12.071	106	113319	35.998	ug/l	100
69) o-Xylene	12.400	106	55835	18.646	ug/l	100
73) Isopropylbenzene	12.694	105	52729	7.489	ug/l	99
78) n-propylbenzene	13.035	91	69935	8.612	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	39377	6.665	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	375633	61.769	ug/l	99
95) Naphthalene	15.641	128	951472	171.718	ug/l	99

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

Sample Results: **VN085237.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085237.D
Acq On : 17 Dec 2024 20:22
Operator : JC\MD
Sample : P5291-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 18 00:41:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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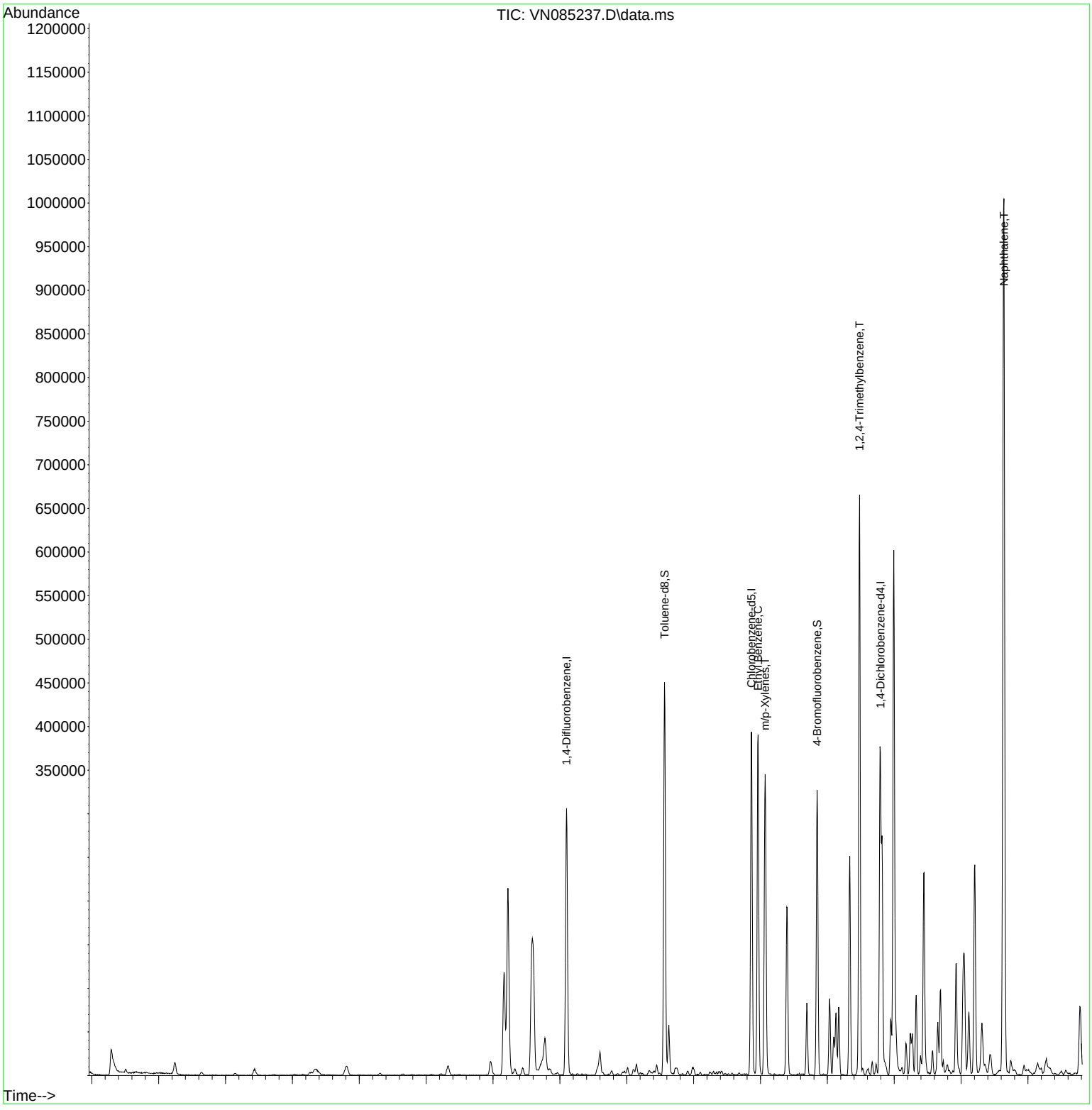
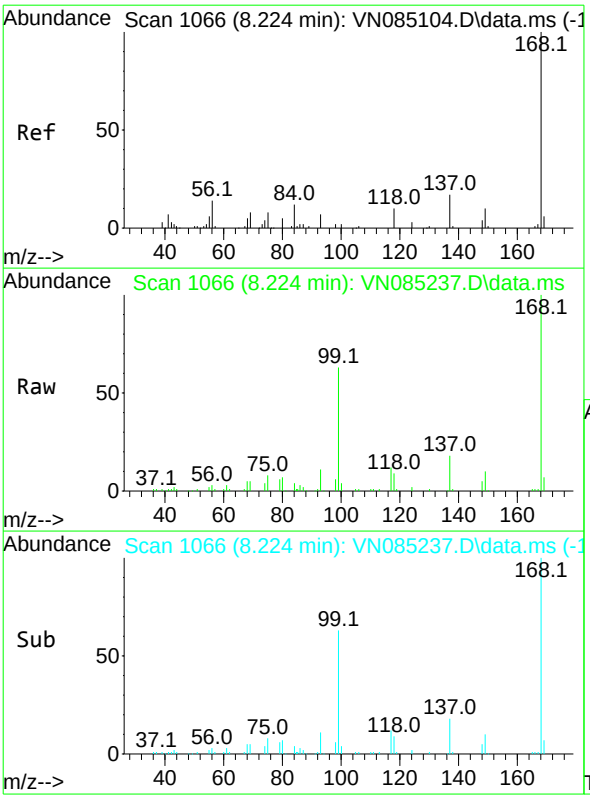
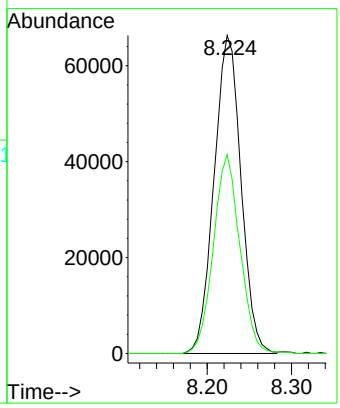




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion:168 Resp: 147129

Ion	Ratio	Lower	Upper
168	100		
99	62.5	51.2	76.8



Instrument :
MSVOA_N
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WC-20241213

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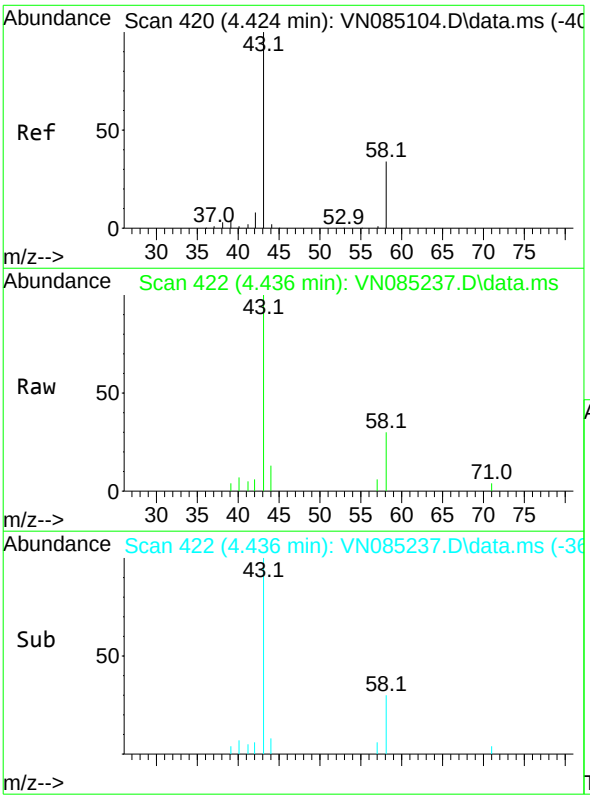
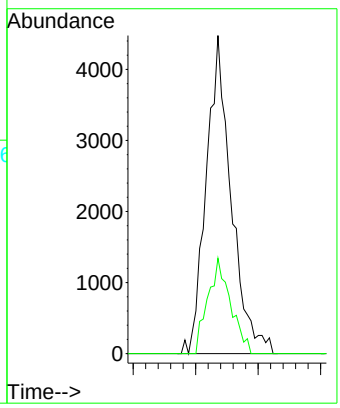
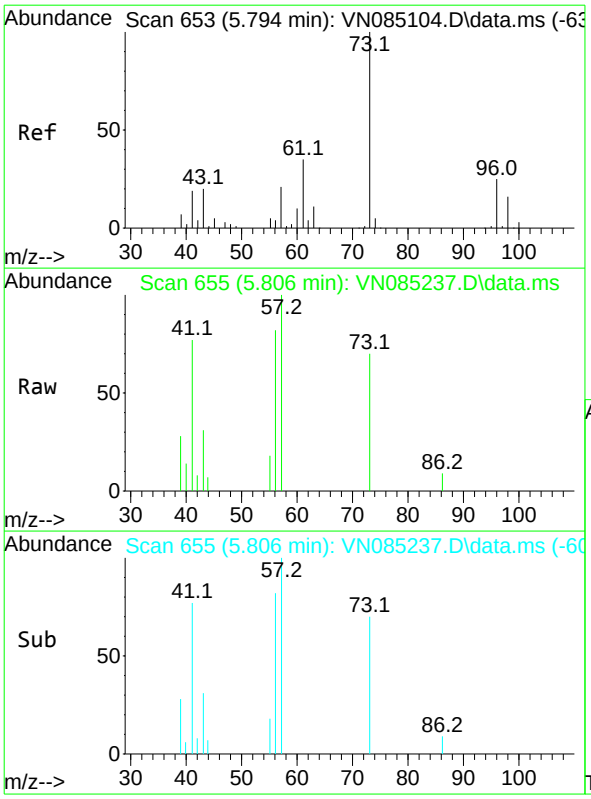


#16
Acetone
Concen: 20.326 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion: 43 Resp: 12406

Ion	Ratio	Lower	Upper
43	100		
58	30.0	25.4	38.2





#19
Methyl tert-butyl Ether
Concen: 1.176 ug/l m
RT: 5.806 min Scan# 65
Delta R.T. 0.018 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion: 73 Resp: 6002

Ion	Ratio	Lower	Upper
73	100		
57	142.3	17.0	25.4#

Instrument :
MSVOA_N
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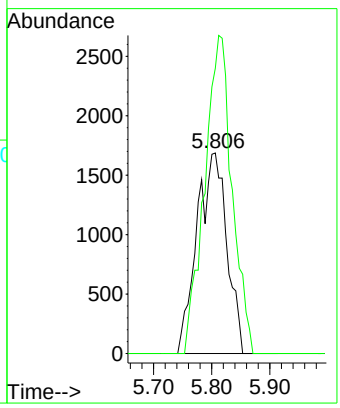
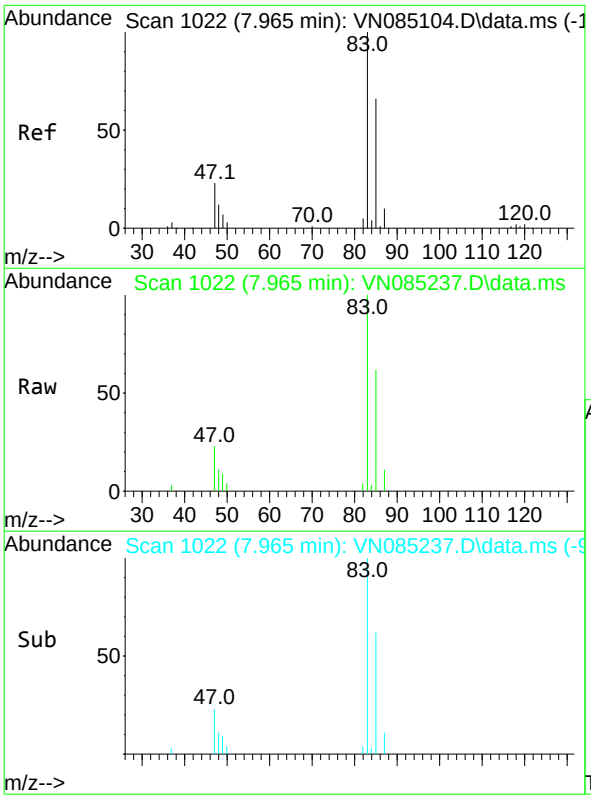
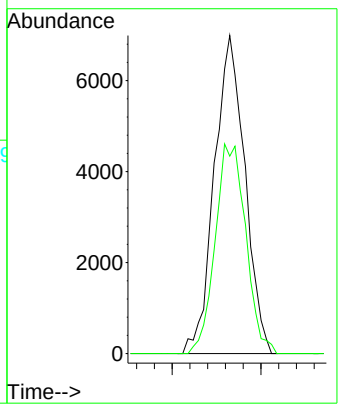


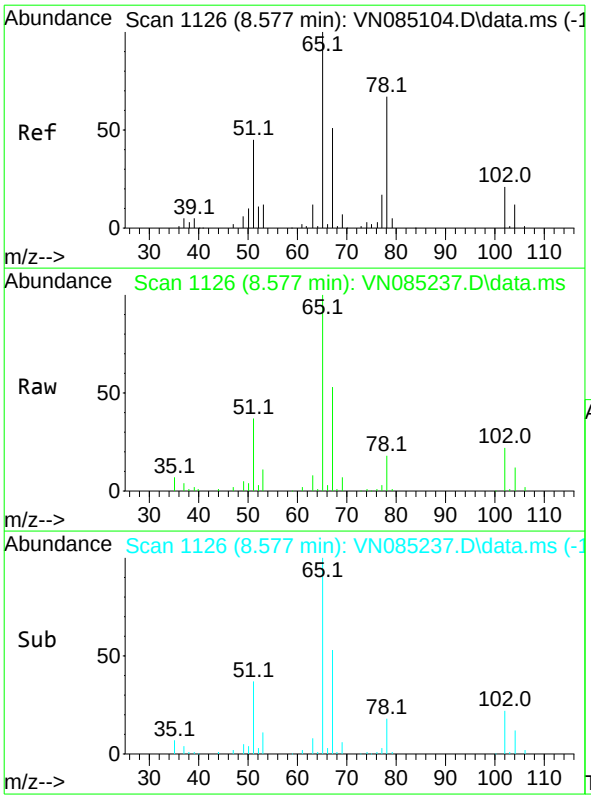


#30
Chloroform
Concen: 4.961 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion: 83 Resp: 16734

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.6	78.8

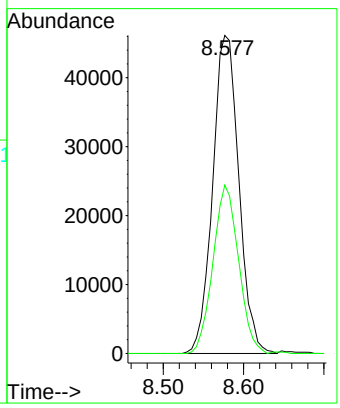




#33
1,2-Dichloroethane-d4
Concen: 49.810 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion: 65 Resp: 104389

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	105.0



Instrument :
MSVOA_N
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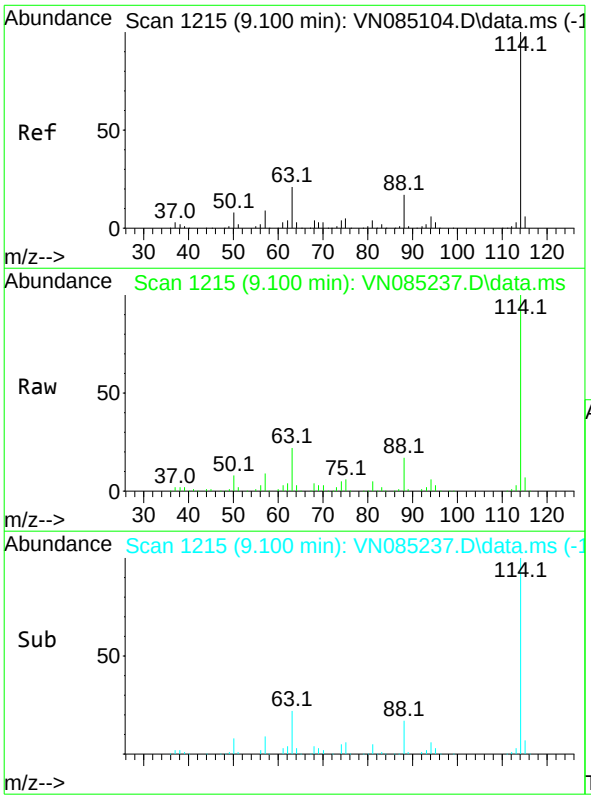
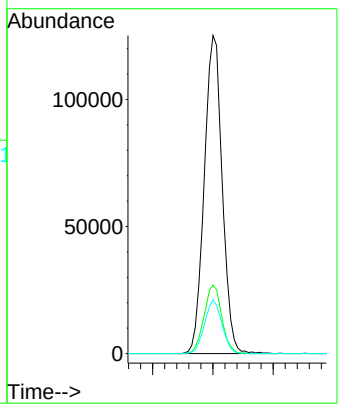
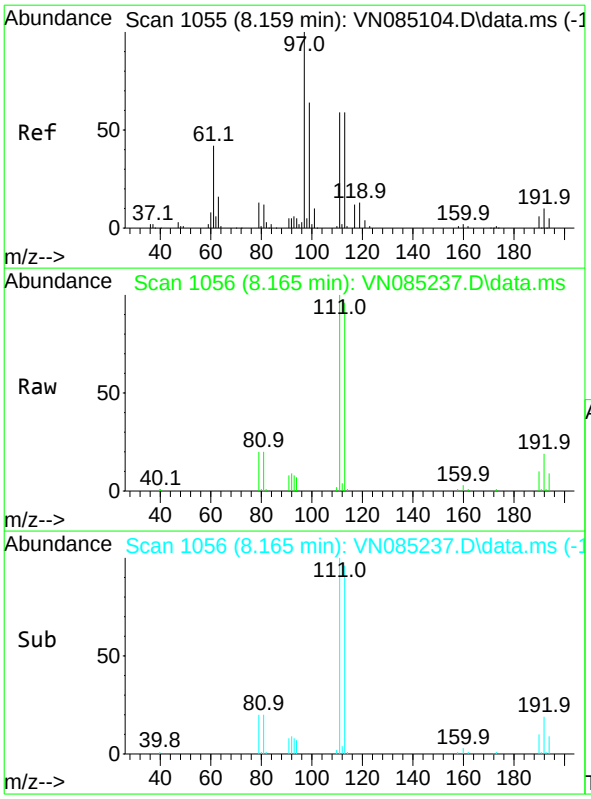


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion:114 Resp: 259253

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.0
88	17.0	0.0	34.8





#35
Dibromofluoromethane
Concen: 48.019 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion:113 Resp: 83952

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	18.3	14.8	22.2

Instrument :
MSVOA_N
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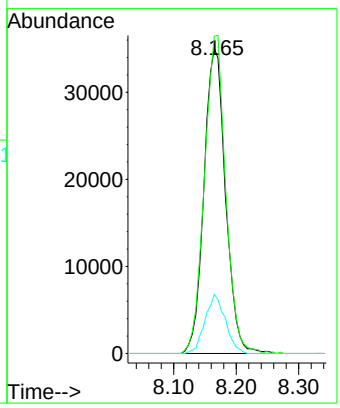
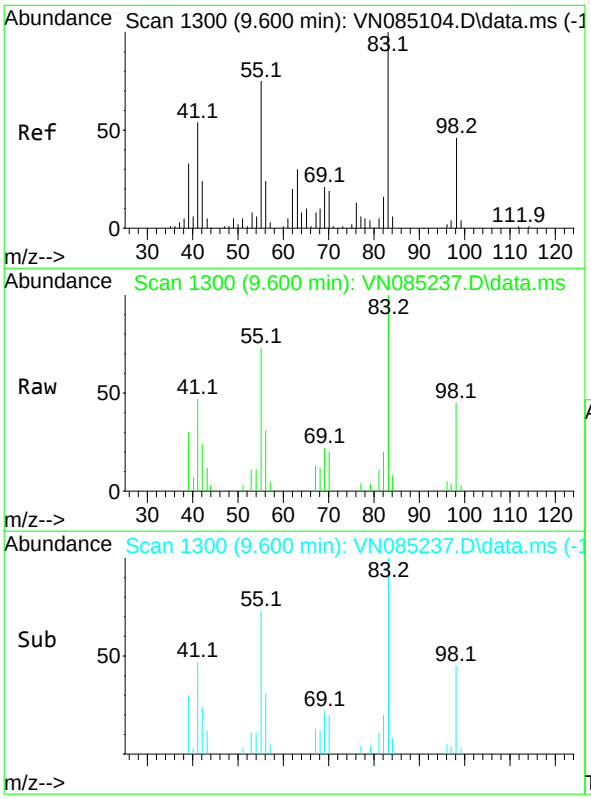
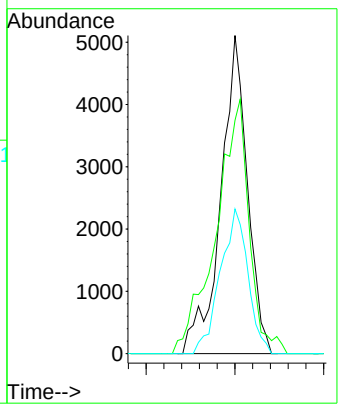


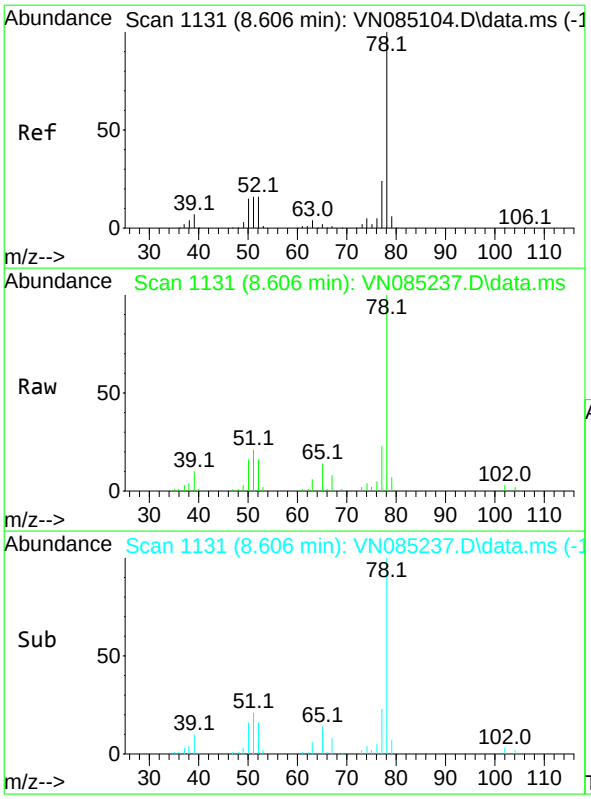


#39
Methylcyclohexane
Concen: 4.337 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion: 83 Resp: 10673

Ion	Ratio	Lower	Upper
83	100		
55	69.2	61.8	92.6
98	45.5	37.0	55.6

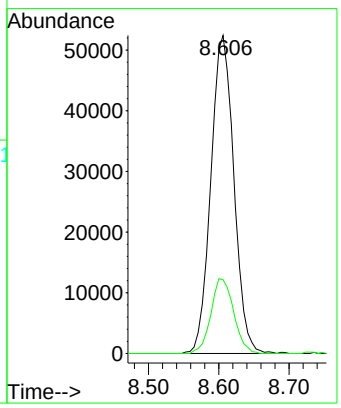




#40
Benzene
Concen: 15.920 ug/l
RT: 8.606 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion: 78 Resp: 119235

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7



Instrument :
MSVOA_N
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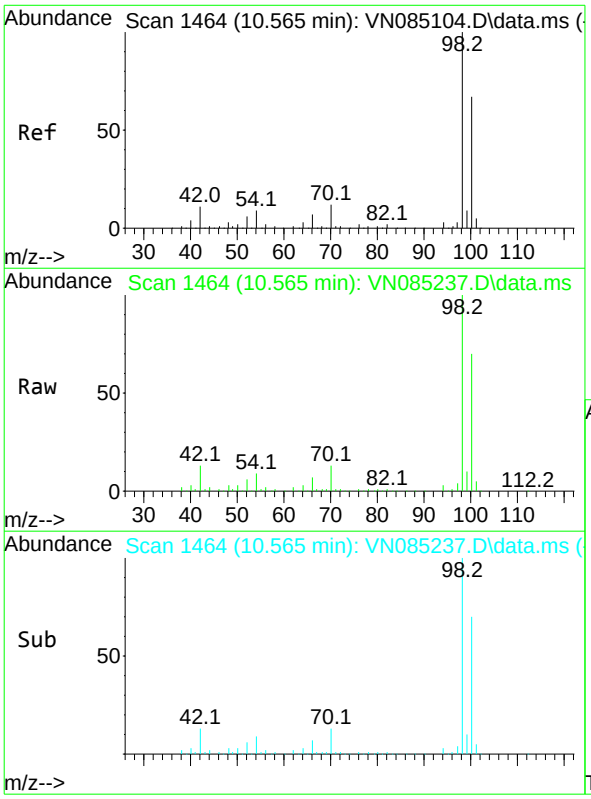
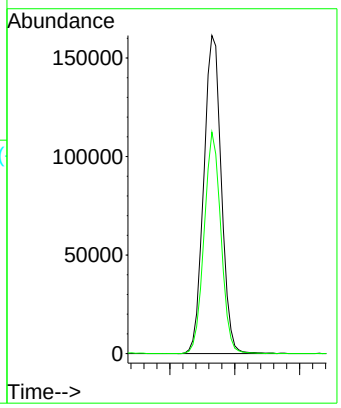
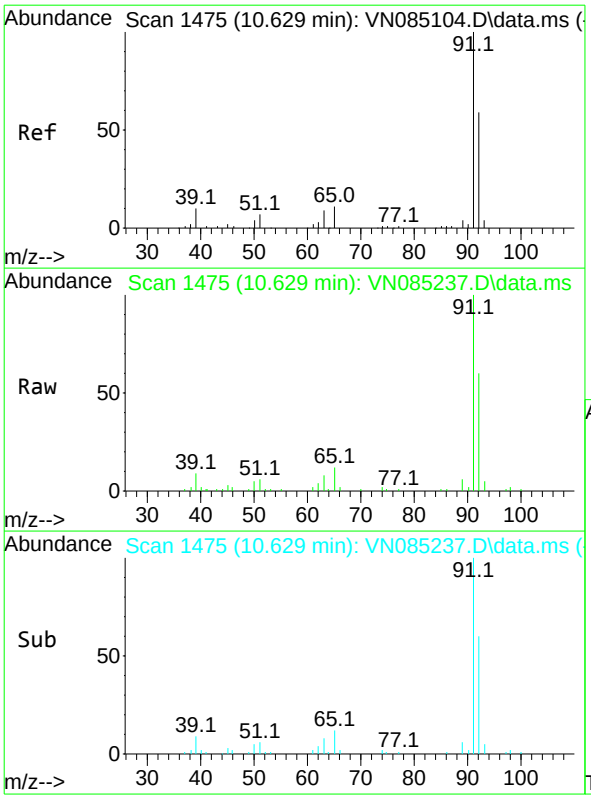


#50
Toluene-d8
Concen: 48.491 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion: 98 Resp: 303820

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.5	78.7





#52
Toluene
Concen: 5.336 ug/l
RT: 10.629 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion: 92 Resp: 23658

Ion	Ratio	Lower	Upper
92	100		
91	167.4	136.7	205.1

Instrument :
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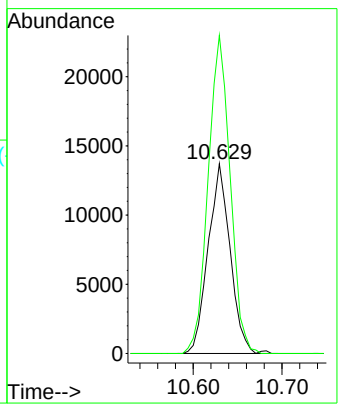
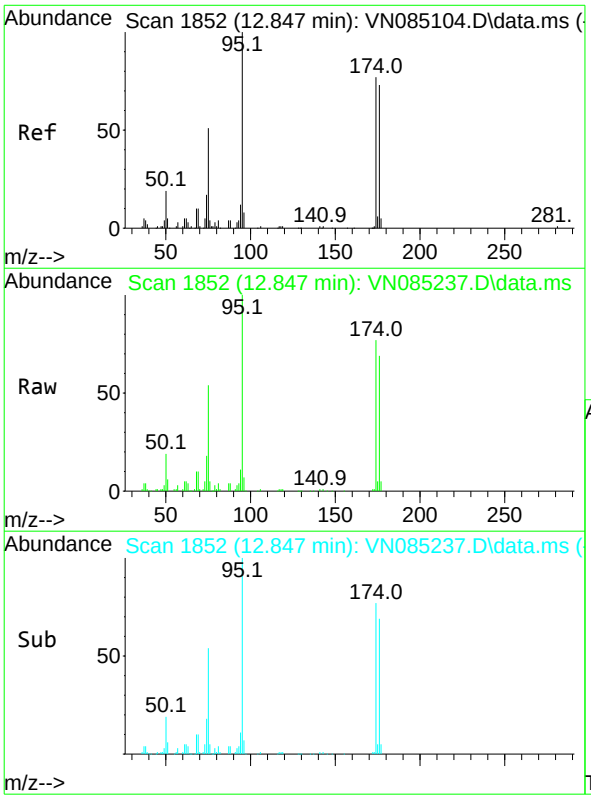
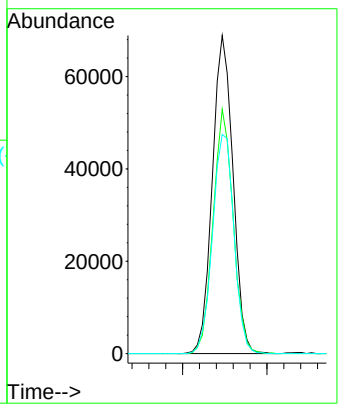


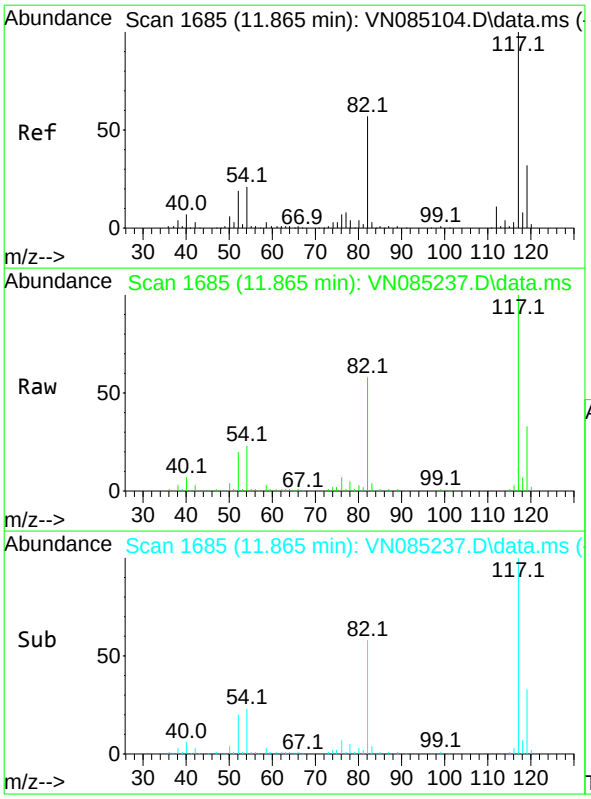


#62
4-Bromofluorobenzene
Concen: 49.997 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion: 95 Resp: 117148

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	146.6
176	71.4	0.0	141.8

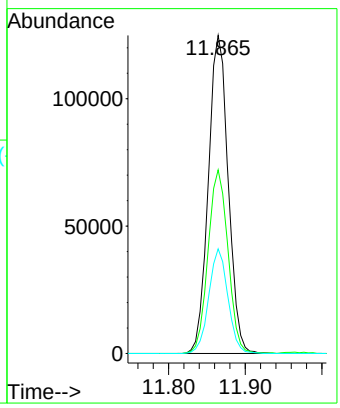




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion:117 Resp: 224725

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.0	69.0
119	32.9	25.6	38.4



Instrument :
MSVOA_N
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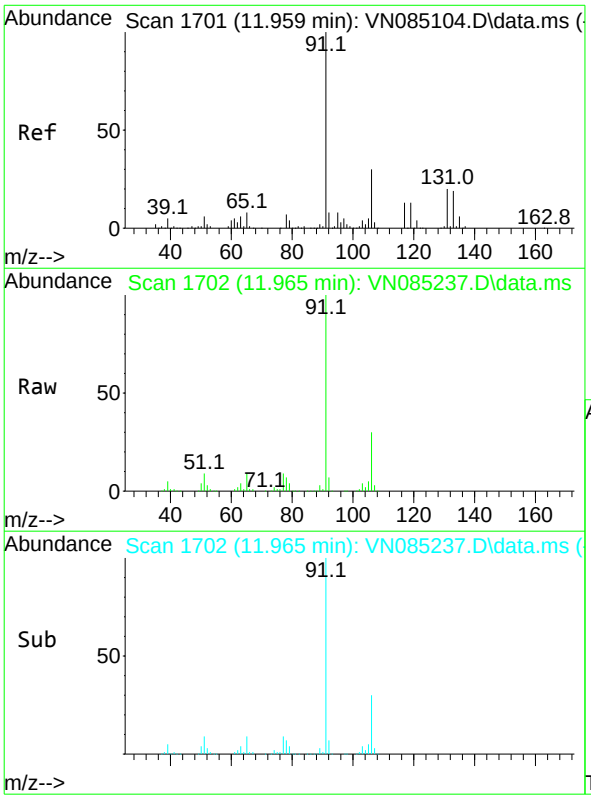
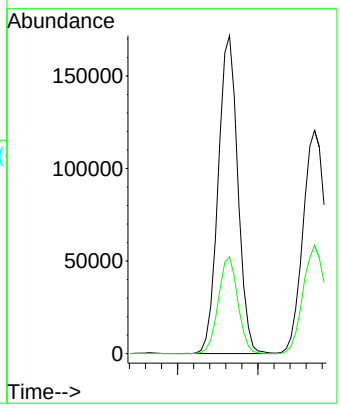
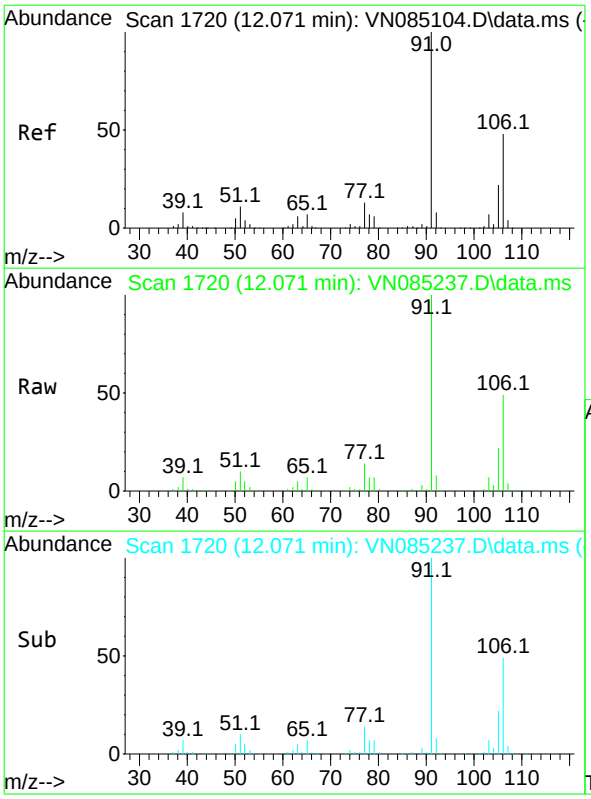


#67
Ethyl Benzene
Concen: 35.234 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion: 91 Resp: 291333

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.7	37.1





#68
m/p-Xylenes
Concen: 35.998 ug/l
RT: 12.071 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion:106 Resp: 113319

Ion	Ratio	Lower	Upper
106	100		
91	209.5	168.0	252.0

Instrument :
MSVOA_N
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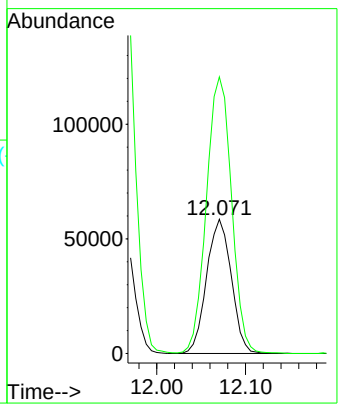
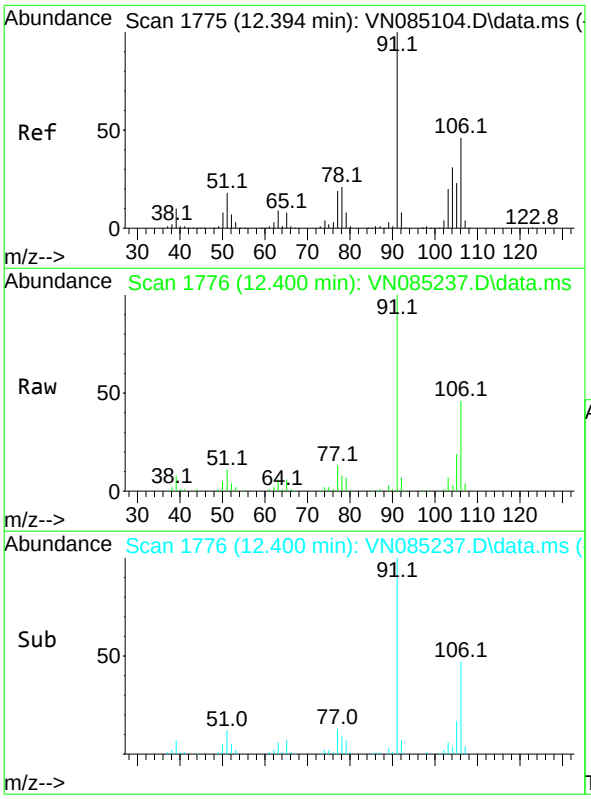
Supervised By :Semsettin Yesilyurt 12/18/2024

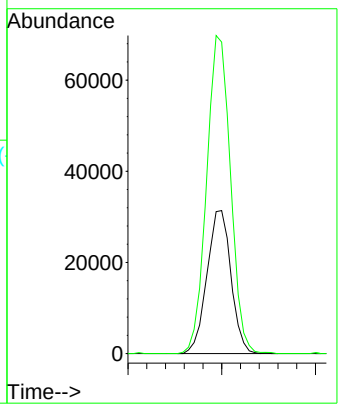


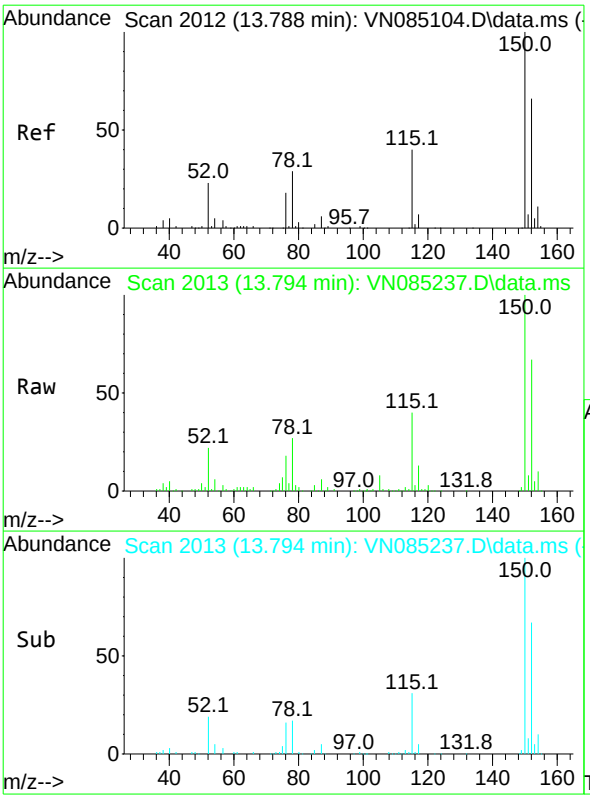


#69
o-Xylene
Concen: 18.646 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion:106 Resp: 55835

Ion	Ratio	Lower	Upper
106	100		
91	221.4	110.7	331.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

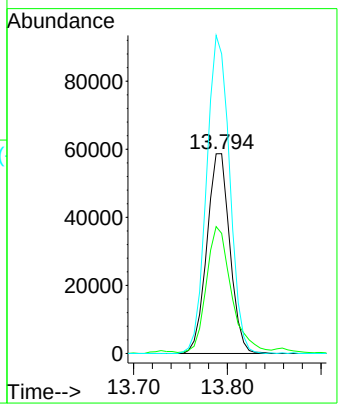
Tgt Ion:152 Resp: 99799

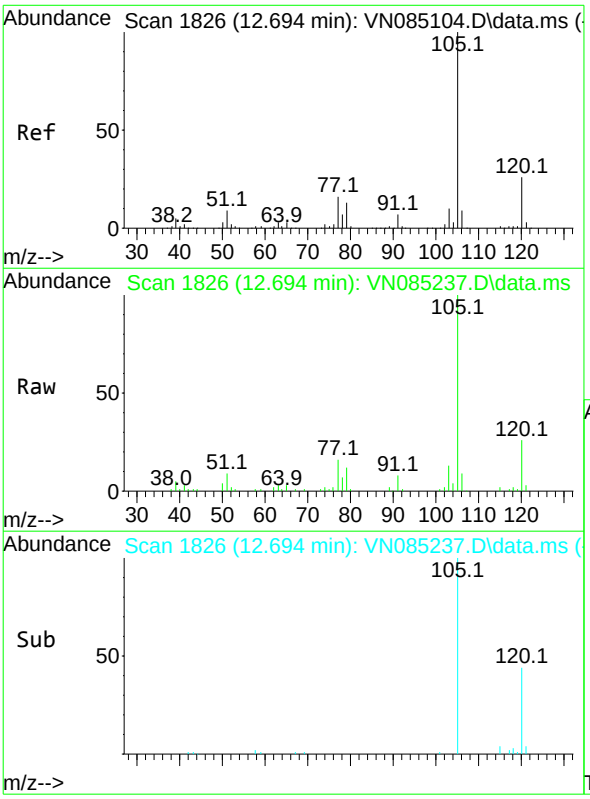
Ion	Ratio	Lower	Upper
152	100		
115	68.2	31.7	95.1
150	160.0	0.0	351.4

Instrument :
MSVOA_N
ClientSampleId :
WC-20241213

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

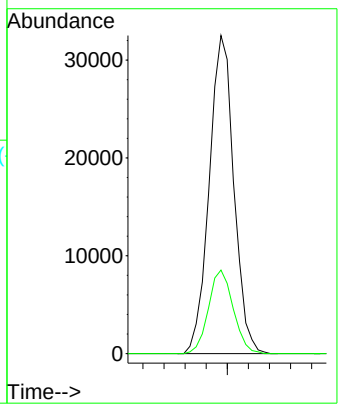


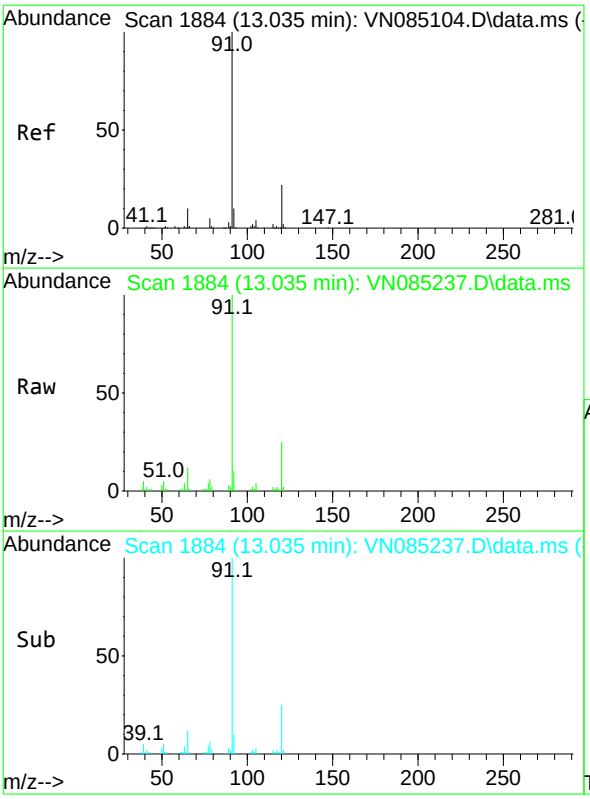


#73
Isopropylbenzene
Concen: 7.489 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion:105 Resp: 52729

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	39.0





#78
n-propylbenzene
Concen: 8.612 ug/l
RT: 13.035 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

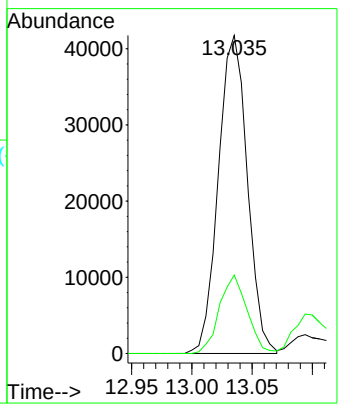
Tgt Ion: 91 Resp: 69935

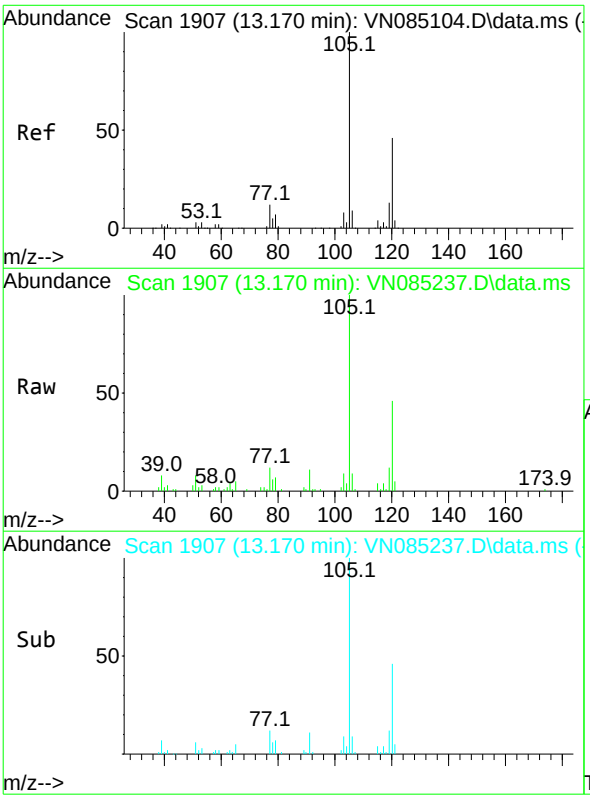
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.3	33.9

Instrument :
MSVOA_N
ClientSampleId :
WC-20241213

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

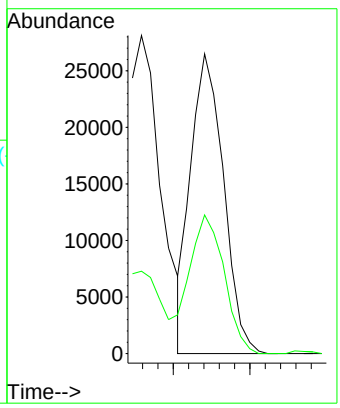


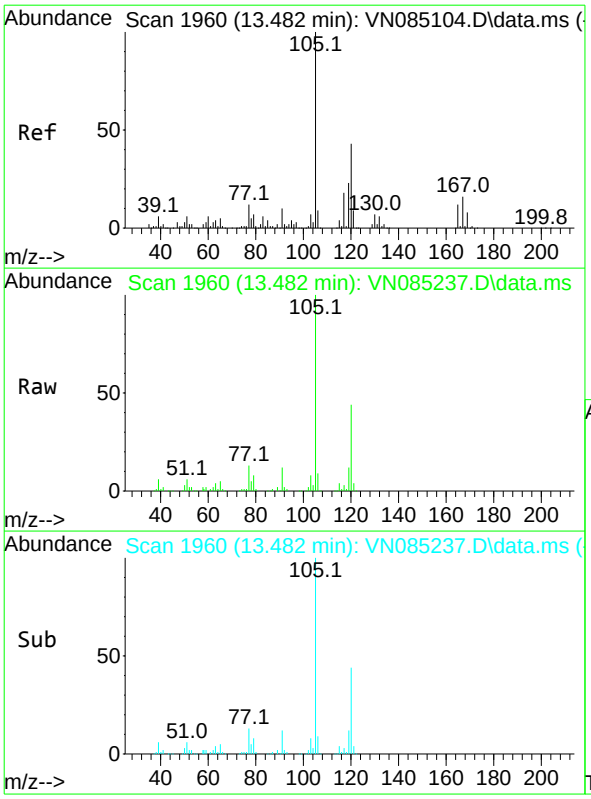


#80
1,3,5-Trimethylbenzene
Concen: 6.665 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion:105 Resp: 39377

Ion	Ratio	Lower	Upper
105	100		
120	50.4	23.6	71.0

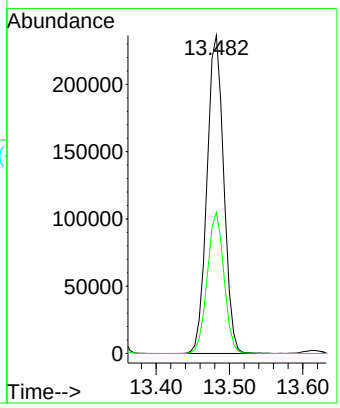




#84
1,2,4-Trimethylbenzene
Concen: 61.769 ug/l
RT: 13.482 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion:105 Resp: 375633

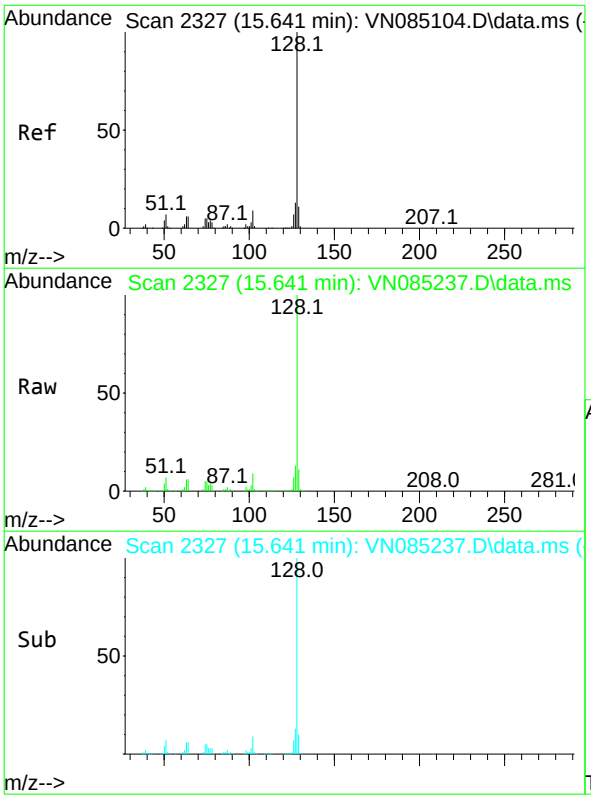
Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4



Instrument :
MSVOA_N
ClientSampleId :
WC-20241213

Manual Integrations
APPROVED

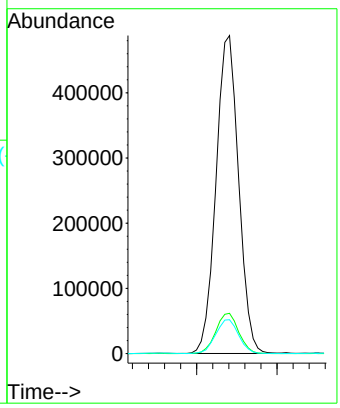
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#95
Naphthalene
Concen: 171.718 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085237.D
Acq: 17 Dec 2024 20:22

Tgt Ion:128 Resp: 951472

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.9	8.6	12.8



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: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG No.: P5291

Instrument ID: MSVOA_N Calibration Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:22 13:45

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

LAB FILE ID: RRF100 = VN085005.D RRF050 = VN085006.D RRF020 = VN085007.D
RRF010 = VN085008.D RRF005 = VN085009.D RRF001 = VN085010.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.597	0.575	0.579	0.569	0.608	0.608	0.589	2.9
1,1-Dichloroethene	0.547	0.524	0.534	0.506	0.543	0.531	0.531	2.8
2-Butanone	0.341	0.331	0.340	0.317	0.328	0.377	0.339	6
Carbon Tetrachloride	0.572	0.534	0.543	0.484	0.529	0.500	0.527	5.9
Chloroform	1.118	1.099	1.104	1.073	1.140	1.344	1.146	8.6
Benzene	1.528	1.424	1.443	1.358	1.452	1.462	1.445	3.8
1,2-Dichloroethane	0.514	0.481	0.497	0.452	0.529	0.492	0.494	5.4
Trichloroethene	0.352	0.327	0.338	0.320	0.347	0.330	0.336	3.6
Tetrachloroethene	0.350	0.328	0.340	0.322	0.374	0.307	0.337	7
Chlorobenzene	1.128	1.090	1.123	1.089	1.133	1.241	1.134	4.9
1,2-Dichloroethane-d4	0.738	0.705	0.658	0.735	0.725		0.712	4.6
Dibromofluoromethane	0.361	0.340	0.311	0.330	0.343		0.337	5.4
Toluene-d8	1.326	1.249	1.152	1.162	1.154		1.208	6.4
4-Bromofluorobenzene	0.476	0.467	0.425	0.438	0.454		0.452	4.6

* 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 : 82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024
Response Via : Initial Calibration

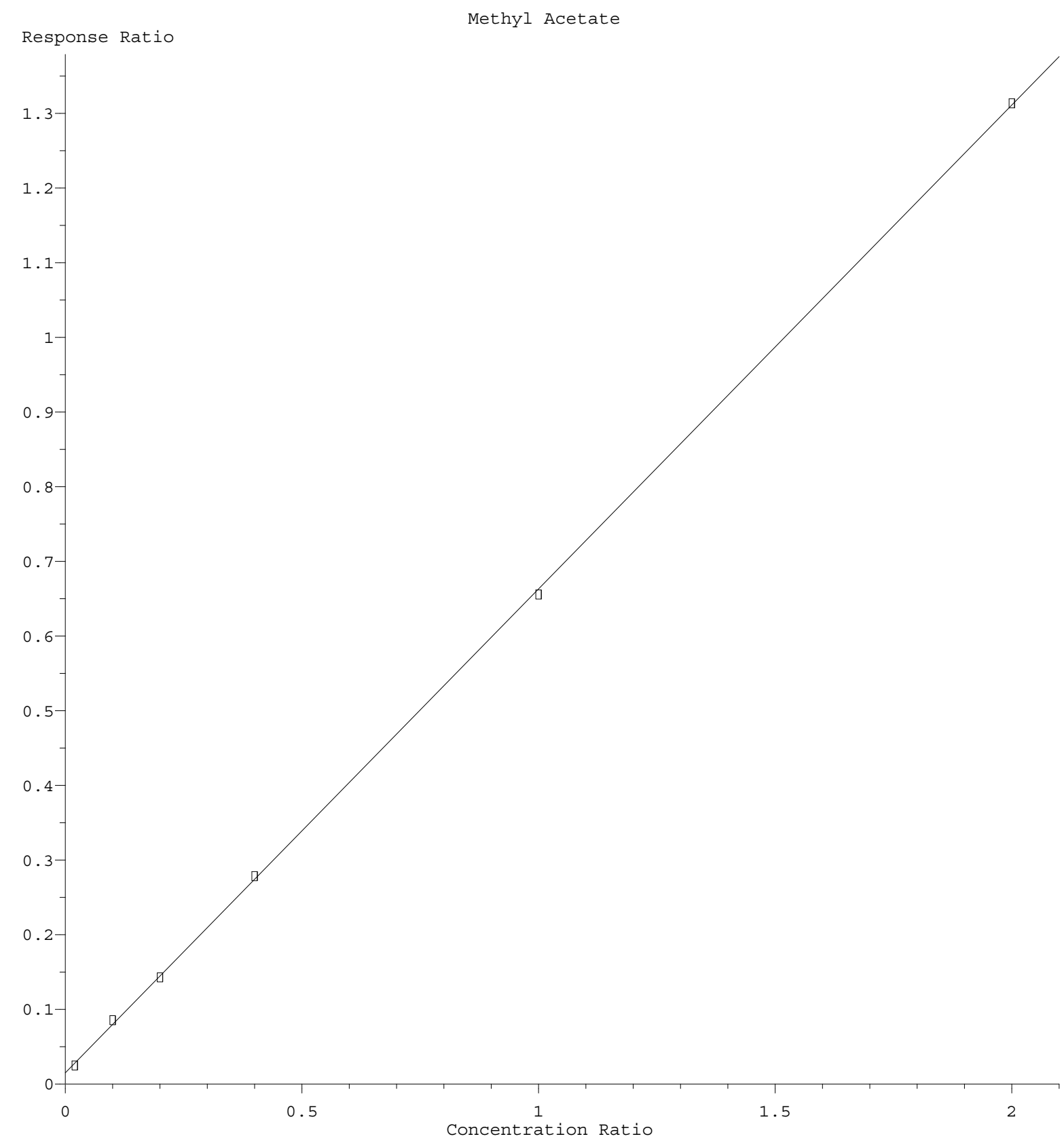
Calibration Files
1 =VN085010.D 5 =VN085009.D 10 =VN085008.D 20 =VN085007.D 50 =VN085006.D 100 =VN085005.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.558	0.590	0.538	0.567	0.560	0.579	0.565	3.24
3)	P	Chloromethane	0.906	0.664	0.603	0.599	0.591	0.572	0.656	19.31
4)	C	Vinyl Chloride	0.608	0.608	0.569	0.579	0.575	0.597	0.589	2.87#
5)	T	Bromomethane		0.366	0.331	0.327	0.311	0.316	0.330	6.54
6)	T	Chloroethane	0.458	0.407	0.390	0.380	0.379	0.370	0.397	8.12
7)	T	Trichlorofluor...	1.036	1.041	0.947	1.005	0.965	1.021	1.002	3.85
8)	T	Diethyl Ether	0.316	0.345	0.322	0.349	0.349	0.367	0.341	5.63
9)	T	1,1,2-Trichlor...	0.573	0.576	0.551	0.569	0.551	0.590	0.569	2.65
10)	T	Methyl Iodide		0.764	0.704	0.778	0.747	0.769	0.753	3.91
11)	T	Tert butyl alc...		0.117	0.096	0.091	0.090	0.081	0.095	14.07
12)	CM	1,1-Dichloroet...	0.531	0.543	0.506	0.534	0.524	0.547	0.531	2.78#
13)	T	Acrolein		0.057	0.066	0.061	0.070	0.064	0.064	7.50
14)	T	Allyl chloride	0.936	0.874	0.868	0.876	0.886	0.929	0.895	3.32
15)	T	Acrylonitrile	0.303	0.274	0.251	0.264	0.263	0.262	0.269	6.71
16)	T	Acetone	0.209	0.195	0.203	0.206	0.203	0.229	0.207	5.48
17)	T	Carbon Disulfide	1.829	1.589	1.462	1.535	1.472	1.511	1.566	8.73
18)	T	Methyl Acetate	1.244	0.855	0.714	0.696	0.656	0.657	0.804	28.37
19)	T	Methyl tert-bu...	1.674	1.675	1.663	1.764	1.768	1.860	1.734	4.48
20)	T	Methylene Chlo...	0.748	0.630	0.610	0.619	0.588	0.603	0.633	9.21
21)	T	trans-1,2-Dich...	0.571	0.568	0.519	0.565	0.558	0.570	0.558	3.54
22)	T	Diisopropyl ether	1.825	1.816	1.749	1.815	1.781	1.817	1.801	1.64
23)	T	Vinyl Acetate	1.161	1.180	1.192	1.279	1.296	1.346	1.242	6.04
24)	P	1,1-Dichloroet...	1.116	1.092	1.033	1.084	1.049	1.091	1.078	2.85
25)	T	2-Butanone	0.377	0.328	0.317	0.340	0.331	0.341	0.339	6.03
26)	T	2,2-Dichloropr...	1.083	1.000	0.945	0.982	0.993	1.034	1.006	4.72
27)	T	cis-1,2-Dichlo...	0.729	0.681	0.634	0.672	0.657	0.667	0.673	4.68
28)	T	Bromochloromet...	0.438	0.399	0.390	0.409	0.395	0.409	0.407	4.24
29)	T	Tetrahydrofuran	0.213	0.212	0.199	0.212	0.214	0.214	0.211	2.69
30)	C	Chloroform	1.344	1.140	1.073	1.104	1.099	1.118	1.146	8.65#
31)	T	Cyclohexane		1.091	0.915	0.942	0.882	0.914	0.949	8.68
32)	T	1,1,1-Trichlor...	1.135	1.005	0.993	1.022	1.013	1.047	1.036	5.02
33)	S	1,2-Dichloroet...		0.725	0.735	0.658	0.705	0.738	0.712	4.60
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.343	0.330	0.311	0.340	0.361	0.337	5.43
36)	T	1,1-Dichloropr...	0.451	0.469	0.417	0.454	0.455	0.493	0.457	5.46
37)	T	Ethyl Acetate	0.412	0.425	0.404	0.427	0.403	0.421	0.415	2.54
38)	T	Carbon Tetrach...	0.500	0.529	0.484	0.543	0.534	0.572	0.527	5.93
39)	T	Methylcyclohexane	0.382	0.469	0.430	0.486	0.507	0.574	0.475	13.89
40)	TM	Benzene	1.462	1.452	1.358	1.443	1.424	1.528	1.444	3.81
41)	T	Methacrylonitrile	0.247	0.203	0.223	0.229	0.230	0.246	0.230	7.11
42)	TM	1,2-Dichloroet...	0.492	0.529	0.452	0.497	0.481	0.514	0.494	5.42
43)	T	Isopropyl Acetate	1.157	0.853	0.786	0.781	0.753	0.844	0.862	17.33
44)	TM	Trichloroethene	0.330	0.347	0.320	0.338	0.327	0.352	0.336	3.60
45)	C	1,2-Dichloropr...	0.374	0.352	0.340	0.351	0.349	0.369	0.356	3.68#
46)	T	Dibromomethane	0.260	0.249	0.225	0.248	0.244	0.257	0.247	4.94
47)	T	Bromodichlorom...	0.540	0.520	0.488	0.520	0.522	0.554	0.524	4.26
48)	T	Methyl methacr...	0.304	0.316	0.302	0.323	0.329	0.353	0.321	5.84
49)	T	1,4-Dioxane	0.005	0.005	0.006	0.006	0.006	0.005	0.006	3.84
50)	S	Toluene-d8		1.154	1.162	1.152	1.249	1.326	1.208	6.36
51)	T	4-Methyl-2-Pen...	0.361	0.394	0.382	0.406	0.406	0.414	0.394	5.01
52)	CM	Toluene	0.780	0.859	0.792	0.881	0.887	0.932	0.855	6.88#
53)	T	t-1,3-Dichloro...	0.525	0.479	0.486	0.539	0.549	0.574	0.525	7.01
54)	T	cis-1,3-Dichlo...	0.541	0.533	0.506	0.571	0.576	0.617	0.557	6.97
55)	T	1,1,2-Trichlor...	0.301	0.314	0.314	0.324	0.322	0.336	0.319	3.72

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N112224W.M

56)	T	Ethyl methacry...	0.370	0.429	0.437	0.491	0.518	0.549	0.465	14.12
57)	T	1,3-Dichloropr...	0.572	0.562	0.526	0.558	0.558	0.588	0.561	3.66
58)	T	2-Chloroethyl ...	0.167	0.194	0.220	0.243	0.271	0.275	0.228	18.86
59)	T	2-Hexanone	0.245	0.297	0.280	0.317	0.312	0.315	0.295	9.45
60)	T	Dibromochlorom...	0.411	0.387	0.350	0.392	0.386	0.410	0.389	5.71
61)	T	1,2-Dibromoethane	0.323	0.338	0.318	0.328	0.330	0.342	0.330	2.74
62)	S	4-Bromofluorob...		0.454	0.438	0.425	0.467	0.476	0.452	4.61
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.307	0.374	0.322	0.340	0.328	0.350	0.337	7.01
65)	PM	Chlorobenzene	1.241	1.133	1.089	1.123	1.090	1.128	1.134	4.91
66)	T	1,1,1,2-Tetrac...	0.390	0.420	0.383	0.388	0.398	0.417	0.399	3.93
67)	C	Ethyl Benzene	1.644	1.809	1.698	1.880	1.945	2.063	1.840	8.48#
68)	T	m/p-Xylenes	0.626	0.666	0.663	0.732	0.737	0.778	0.700	8.17
69)	T	o-Xylene	0.598	0.633	0.641	0.685	0.707	0.733	0.666	7.63
70)	T	Styrene	0.921	1.038	1.069	1.178	1.195	1.248	1.108	10.94
71)	P	Bromoform	0.289	0.299	0.273	0.299	0.310	0.309	0.296	4.58
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.175	3.464	3.402	3.605	3.632	3.888	3.527	6.84
74)	T	N-amyl acetate	1.339	1.383	1.351	1.543	1.552	1.553	1.454	7.30
75)	P	1,1,2,2-Tetrac...	1.517	1.231	1.148	1.152	1.103	1.076	1.204	13.45
76)	T	1,2,3-Trichlor...	1.023	0.822	0.768	0.933	0.903	1.009	0.909	11.13
77)	T	Bromobenzene	1.072	0.967	0.902	0.926	0.919	0.910	0.949	6.76
78)	T	n-propylbenzene	3.534	4.013	3.880	4.201	4.236	4.547	4.068	8.51
79)	T	2-Chlorotoluene	2.779	2.679	2.638	2.751	2.671	2.776	2.716	2.23
80)	T	1,3,5-Trimethy...	2.519	2.842	2.864	3.115	3.146	3.273	2.960	9.24
81)	T	trans-1,4-Dich...		0.440	0.390	0.403	0.408	0.418	0.412	4.60
82)	T	4-Chlorotoluene	2.977	2.819	2.725	2.846	2.774	2.822	2.827	3.00
83)	T	tert-Butylbenzene	2.454	2.444	2.436	2.590	2.631	2.725	2.547	4.72
84)	T	1,2,4-Trimethy...	2.704	2.890	2.927	3.195	3.241	3.322	3.047	7.93
85)	T	sec-Butylbenzene	2.976	3.246	3.280	3.593	3.667	3.880	3.440	9.61
86)	T	p-Isopropyltol...	2.279	2.585	2.740	3.075	3.092	3.269	2.840	13.10
87)	T	1,3-Dichlorobe...	2.326	1.941	1.744	1.785	1.717	1.720	1.872	12.69
88)	T	1,4-Dichlorobe...	2.337	2.034	1.788	1.819	1.760	1.726	1.911	12.31
89)	T	n-Butylbenzene	2.805	2.500	2.375	2.613	2.671	2.882	2.641	7.13
90)	T	Hexachloroethane	0.685	0.634	0.568	0.596	0.607	0.624	0.619	6.42
91)	T	1,2-Dichlorobe...	2.157	1.815	1.685	1.756	1.687	1.665	1.794	10.39
92)	T	1,2-Dibromo-3-...	0.265	0.249	0.223	0.227	0.219	0.214	0.233	8.48
93)	T	1,2,4-Trichlor...	1.178	0.973	0.919	0.949	0.902	0.927	0.975	10.53
94)	T	Hexachlorobuta...	0.556	0.474	0.408	0.441	0.403	0.416	0.450	12.94
95)	T	Naphthalene	2.952	2.683	2.455	2.839	2.835	2.892	2.776	6.52
96)	T	1,2,3-Trichlor...	1.041	0.926	0.849	0.944	0.898	0.922	0.930	6.84

(#) = Out of Range



Response = 6.478e-001 * Amt + 1.521e-002
Coef of Det (r^2) = 0.999899 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N112224W.M
Calibration Table Last Updated: Sat Nov 23 02:54:10 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	174548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	257466	103.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 207.100%#			
35) Dibromofluoromethane	8.165	113	202772	107.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 214.360%#			
50) Toluene-d8	10.565	98	743711	109.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 219.380%#			
62) 4-Bromofluorobenzene	12.847	95	266822	105.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 210.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	202252	102.473	ug/l	98
3) Chloromethane	2.354	50	199697	87.235	ug/l	96
4) Vinyl Chloride	2.512	62	208274	101.241	ug/l	99
5) Bromomethane	2.912	94	110325	95.681	ug/l	93
6) Chloroethane	3.089	64	129044	93.064	ug/l	98
7) Trichlorofluoromethane	3.483	101	356271	101.806	ug/l	98
8) Diethyl Ether	3.953	74	128277	107.697	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	205989	103.783	ug/l	99
10) Methyl Iodide	4.577	142	268539	102.212	ug/l	98
11) Tert butyl alcohol	5.553	59	141986	427.348	ug/l	97
12) 1,1-Dichloroethene	4.330	96	190847	103.013	ug/l	97
13) Acrolein	4.171	56	111387	502.422	ug/l	96
14) Allyl chloride	5.012	41	324148	103.788	ug/l	99
15) Acrylonitrile	5.712	53	457016	485.851	ug/l	100
16) Acetone	4.424	43	399104	551.165	ug/l	98
17) Carbon Disulfide	4.700	76	527408	96.448	ug/l	97
18) Methyl Acetate	5.018	43	229272	100.214	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	649308	107.267	ug/l	99
20) Methylene Chloride	5.265	84	210468	95.251	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	199008	102.076	ug/l	92
22) Diisopropyl ether	6.665	45	634389	100.923	ug/l	98
23) Vinyl Acetate	6.595	43	2349580	541.815	ug/l	99
24) 1,1-Dichloroethane	6.565	63	380941	101.270	ug/l	98
25) 2-Butanone	7.477	43	596036	503.469	ug/l	99
26) 2,2-Dichloropropane	7.483	77	360997	102.775	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	232992	99.132	ug/l	97
28) Bromochloromethane	7.806	49	142811	100.575	ug/l	97
29) Tetrahydrofuran	7.836	42	373666	507.558	ug/l	99
30) Chloroform	7.959	83	390189	97.513	ug/l	98
31) Cyclohexane	8.253	56	318957	96.305	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	365495	101.081	ug/l	98
36) 1,1-Dichloropropene	8.365	75	276659	107.966	ug/l	99
37) Ethyl Acetate	7.553	43	236399	101.478	ug/l	100
38) Carbon Tetrachloride	8.359	117	321086	108.554	ug/l	97
39) Methylcyclohexane	9.594	83	322151	120.983	ug/l	97
40) Benzene	8.600	78	857333	105.783	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	138044	107.026 ug/l	99
42) 1,2-Dichloroethane	8.665	62	288320	103.986 ug/l	100
43) Isopropyl Acetate	8.683	43	473683	97.891 ug/l	98
44) Trichloroethene	9.347	130	197483	104.851 ug/l	96
45) 1,2-Dichloropropane	9.618	63	206776	103.586 ug/l	99
46) Dibromomethane	9.706	93	144116	103.900 ug/l	99
47) Bromodichloromethane	9.883	83	310562	105.641 ug/l	98
48) Methyl methacrylate	9.677	41	197798	109.847 ug/l	98
49) 1,4-Dioxane	9.694	88	61188	1959.471 ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	1162080	525.783 ug/l	98
52) Toluene	10.630	92	522980	109.001 ug/l	100
53) t-1,3-Dichloropropene	10.830	75	321790	109.180 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	346064	110.678 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	188724	105.602 ug/l	99
56) Ethyl methacrylate	10.871	69	307844	117.883 ug/l	98
57) 1,3-Dichloropropane	11.159	76	329902	104.887 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	771827	602.530 ug/l	99
59) 2-Hexanone	11.194	43	884879	535.314 ug/l	100
60) Dibromochloromethane	11.359	129	229875	105.249 ug/l	98
61) 1,2-Dibromoethane	11.465	107	191654	103.624 ug/l	98
64) Tetrachloroethene	11.100	164	168926	104.032 ug/l	94
65) Chlorobenzene	11.888	112	543518	99.452 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	201000	104.459 ug/l	99
67) Ethyl Benzene	11.959	91	994049	112.113 ug/l	100
68) m/p-Xylenes	12.071	106	749782	222.116 ug/l	100
69) o-Xylene	12.394	106	353441	110.070 ug/l	99
70) Styrene	12.406	104	601271	112.600 ug/l	100
71) Bromoform	12.576	173	148879	104.234 ug/l #	99
73) Isopropylbenzene	12.694	105	922085	110.216 ug/l	100
74) N-amyl acetate	12.494	43	368260	106.820 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	255286	89.359 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	239373m	107.901 ug/l	
77) Bromobenzene	12.976	156	215866	95.881 ug/l	98
78) n-propylbenzene	13.035	91	1078373	111.753 ug/l	99
79) 2-Chlorotoluene	13.123	91	658525	102.230 ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	776252	110.573 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	99218	104.513 ug/l	96
82) 4-Chlorotoluene	13.218	91	669311	99.811 ug/l	99
83) tert-Butylbenzene	13.435	119	646369	107.009 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	787962	109.040 ug/l	100
85) sec-Butylbenzene	13.612	105	920223	112.777 ug/l	99
86) p-Isopropyltoluene	13.729	119	775322	115.104 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	407844	91.842 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	409489	90.361 ug/l	99
89) n-Butylbenzene	14.053	91	683538	109.120 ug/l	99
90) Hexachloroethane	14.335	117	147973	100.783 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	394872	92.796 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50863	92.071 ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	219866	95.107 ug/l	99
94) Hexachlorobutadiene	15.500	225	98588	92.405 ug/l	99
95) Naphthalene	15.641	128	685964	104.183 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	218578	99.092 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

ICAL Form

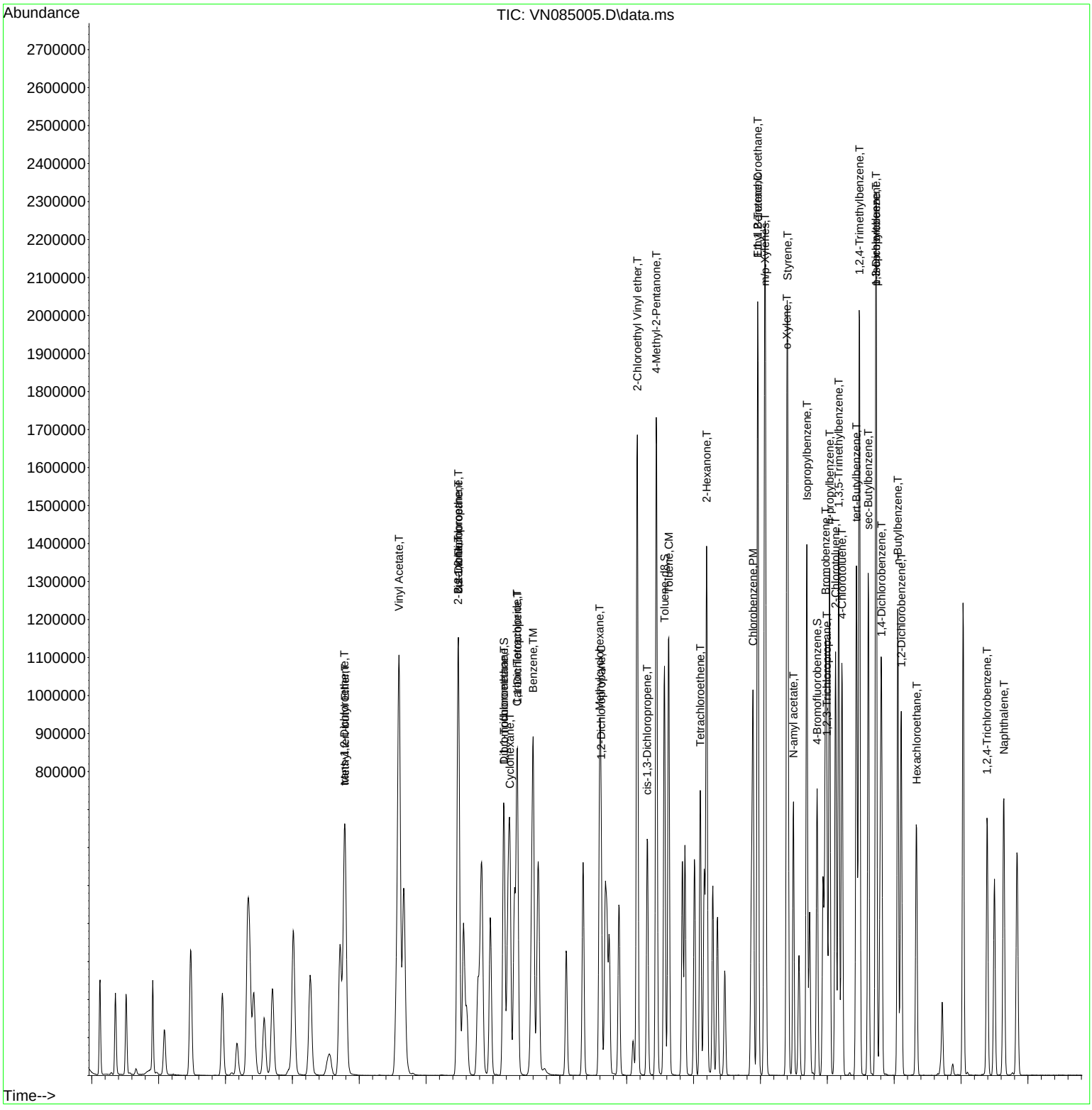
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	163353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	232158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115244	49.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.060%			
35) Dibromofluoromethane	8.159	113	92297	50.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	10.565	98	338938	51.662	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.847	95	126840	51.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	91455	49.512	ug/l	100
3) Chloromethane	2.360	50	96463	45.027	ug/l	100
4) Vinyl Chloride	2.512	62	93960	48.804	ug/l	100
5) Bromomethane	2.901	94	50828	47.102	ug/l	100
6) Chloroethane	3.065	64	61844	47.657	ug/l	100
7) Trichlorofluoromethane	3.459	101	157642	48.134	ug/l	100
8) Diethyl Ether	3.948	74	57011	51.145	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	90080	48.495	ug/l	100
10) Methyl Iodide	4.571	142	122086	49.653	ug/l	100
11) Tert butyl alcohol	5.542	59	73708	237.049	ug/l	100
12) 1,1-Dichloroethene	4.318	96	85520	49.324	ug/l	100
13) Acrolein	4.165	56	57099	275.201	ug/l	100
14) Allyl chloride	5.006	41	144773	49.531	ug/l	100
15) Acrylonitrile	5.712	53	214719	243.910	ug/l	100
16) Acetone	4.424	43	165611	244.384	ug/l	100
17) Carbon Disulfide	4.695	76	240507	46.996	ug/l	100
18) Methyl Acetate	5.018	43	107105	49.436	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	288810	50.982	ug/l	100
20) Methylene Chloride	5.265	84	96084	46.464	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	91214	49.992	ug/l	100
22) Diisopropyl ether	6.665	45	290883	49.447	ug/l	100
23) Vinyl Acetate	6.595	43	1058594	260.842	ug/l	100
24) 1,1-Dichloroethane	6.553	63	171385	48.684	ug/l	100
25) 2-Butanone	7.483	43	270539	244.184	ug/l	100
26) 2,2-Dichloropropane	7.483	77	162280	49.367	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	107332	48.796	ug/l	100
28) Bromochloromethane	7.806	49	64580	48.597	ug/l	100
29) Tetrahydrofuran	7.836	42	175063	254.088	ug/l	100
30) Chloroform	7.959	83	179452	47.921	ug/l	100
31) Cyclohexane	8.253	56	144139	46.504	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	165474	48.900	ug/l	100
36) 1,1-Dichloropropene	8.365	75	123540	49.822	ug/l	100
37) Ethyl Acetate	7.553	43	109296	48.484	ug/l	100
38) Carbon Tetrachloride	8.353	117	144897	50.624	ug/l	100
39) Methylcyclohexane	9.594	83	137583	53.395	ug/l	100
40) Benzene	8.600	78	386616	49.297	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	62534	50.102	ug/l		100
42) 1,2-Dichloroethane	8.665	62	130440	48.616	ug/l		100
43) Isopropyl Acetate	8.683	43	204483	43.670	ug/l		100
44) Trichloroethene	9.347	130	88746	48.692	ug/l		100
45) 1,2-Dichloropropane	9.618	63	94677	49.013	ug/l		100
46) Dibromomethane	9.706	93	66370	49.447	ug/l		100
47) Bromodichloromethane	9.883	83	141808	49.849	ug/l		100
48) Methyl methacrylate	9.677	41	89202	51.193	ug/l		100
49) 1,4-Dioxane	9.694	88	31557	1044.331	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	551484	257.854	ug/l		100
52) Toluene	10.624	92	240730	51.850	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	148995	52.241	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	156342	51.671	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	87334	50.501	ug/l		100
56) Ethyl methacrylate	10.871	69	140546	55.617	ug/l		100
57) 1,3-Dichloropropane	11.159	76	151573	49.800	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	368190	297.030	ug/l		100
59) 2-Hexanone	11.194	43	424152	265.165	ug/l		100
60) Dibromochloromethane	11.359	129	104699	49.538	ug/l		100
61) 1,2-Dibromoethane	11.465	107	89471	49.991	ug/l		100
64) Tetrachloroethene	11.100	164	76257	48.747	ug/l		100
65) Chlorobenzene	11.888	112	252937	48.041	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	92289	49.785	ug/l		100
67) Ethyl Benzene	11.959	91	451491	52.856	ug/l		100
68) m/p-Xylenes	12.071	106	342033	105.174	ug/l		100
69) o-Xylene	12.394	106	164137	53.059	ug/l		100
70) Styrene	12.406	104	277349	53.912	ug/l		100
71) Bromoform	12.576	173	71858	52.221	ug/l	#	100
73) Isopropylbenzene	12.694	105	415716	51.479	ug/l		100
74) N-amyl acetate	12.494	43	177685	53.396	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	126215	45.771	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	103311m	48.246	ug/l		
77) Bromobenzene	12.976	156	105184	48.402	ug/l		100
78) n-propylbenzene	13.035	91	484892	52.059	ug/l		100
79) 2-Chlorotoluene	13.124	91	305747	49.174	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	360125	53.145	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	46724	50.990	ug/l		100
82) 4-Chlorotoluene	13.218	91	317569	49.063	ug/l		100
83) tert-Butylbenzene	13.435	119	301180	51.657	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	371046	53.195	ug/l		100
85) sec-Butylbenzene	13.612	105	419761	53.296	ug/l		100
86) p-Isopropyltoluene	13.723	119	353974	54.443	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	196552	45.855	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	201469	46.058	ug/l		100
89) n-Butylbenzene	14.053	91	305730	50.564	ug/l		100
90) Hexachloroethane	14.329	117	69444	49.001	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	193123	47.019	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	25059	46.995	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	103265	46.278	ug/l		100
94) Hexachlorobutadiene	15.500	225	46186	44.848	ug/l		100
95) Naphthalene	15.641	128	324523	51.063	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	102772	48.269	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

ICAL Form

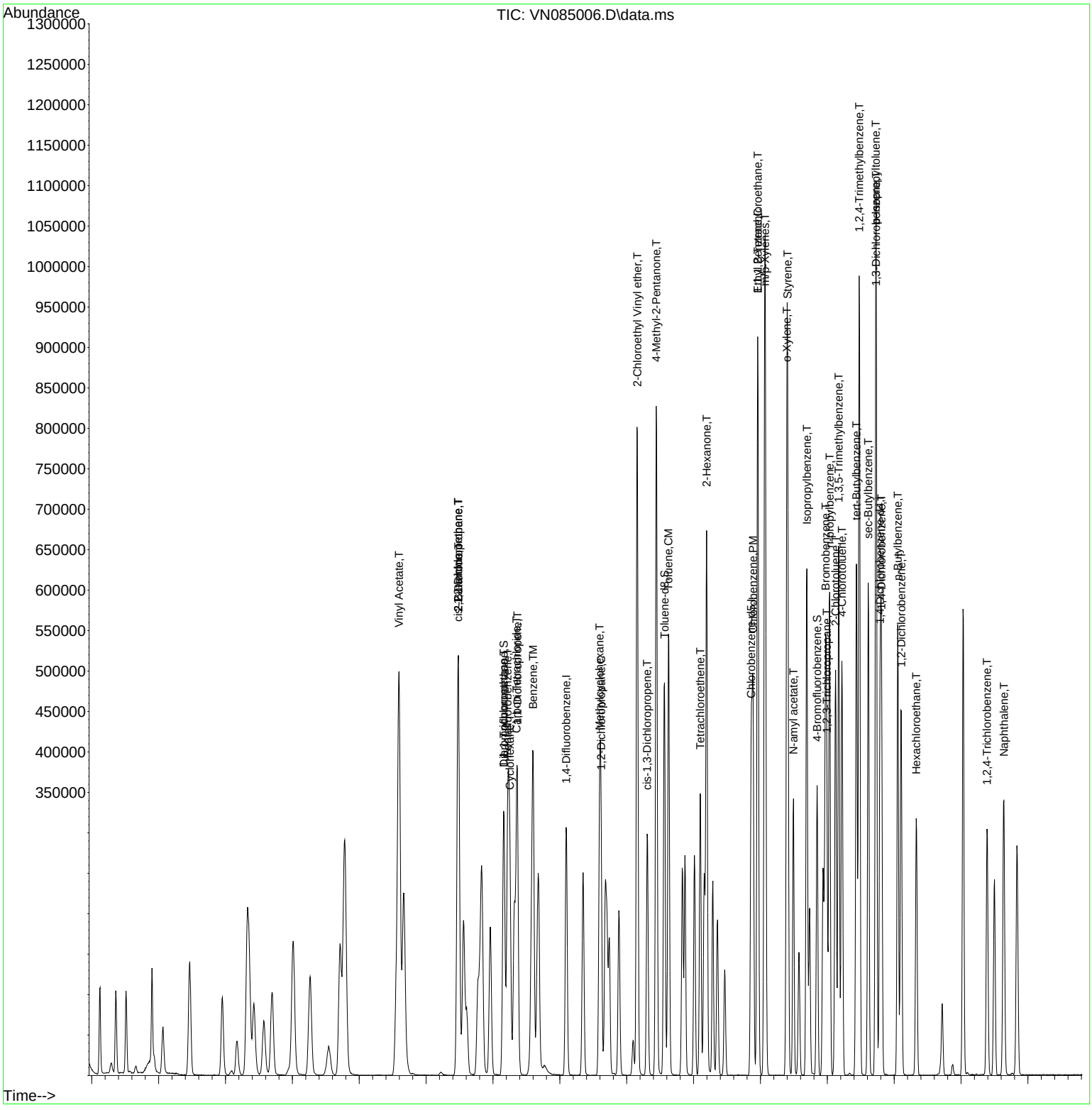
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	168636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	283685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	44399	18.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.960%#		
35) Dibromofluoromethane	8.159	113	35327	18.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.940%#		
50) Toluene-d8	10.565	98	130719	19.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.140%#		
62) 4-Bromofluorobenzene	12.847	95	48193	18.797	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.600%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	38229	20.048	ug/l	99
3) Chloromethane	2.359	50	40404	18.269	ug/l	91
4) Vinyl Chloride	2.512	62	39070	19.658	ug/l	94
5) Bromomethane	2.900	94	22076	19.817	ug/l	98
6) Chloroethane	3.071	64	25643	19.141	ug/l	98
7) Trichlorofluoromethane	3.471	101	67785	20.049	ug/l	94
8) Diethyl Ether	3.953	74	23514	20.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	38412	20.031	ug/l	99
10) Methyl Iodide	4.571	142	52498	20.683	ug/l	98
11) Tert butyl alcohol	5.536	59	30735	95.749	ug/l #	85
12) 1,1-Dichloroethene	4.330	96	36027	20.128	ug/l	97
13) Acrolein	4.177	56	20478	95.606	ug/l	96
14) Allyl chloride	5.006	41	59110	19.590	ug/l	99
15) Acrylonitrile	5.712	53	89152	98.100	ug/l	99
16) Acetone	4.430	43	69534	99.393	ug/l	96
17) Carbon Disulfide	4.694	76	103559	19.602	ug/l	96
18) Methyl Acetate	5.018	43	46954	20.318	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	119013	20.350	ug/l	98
20) Methylene Chloride	5.265	84	41741	19.553	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	38088	20.221	ug/l	98
22) Diisopropyl ether	6.665	45	122443	20.162	ug/l	99
23) Vinyl Acetate	6.594	43	431313	102.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	73105	20.116	ug/l	98
25) 2-Butanone	7.482	43	114635	100.226	ug/l	99
26) 2,2-Dichloropropane	7.482	77	66230	19.517	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	45307	19.953	ug/l	99
28) Bromochloromethane	7.806	49	27564	20.092	ug/l	99
29) Tetrahydrofuran	7.835	42	71566	100.618	ug/l	99
30) Chloroform	7.953	83	74495	19.270	ug/l	94
31) Cyclohexane	8.247	56	63521	19.852	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	68908	19.725	ug/l	97
36) 1,1-Dichloropropene	8.365	75	51535	19.888	ug/l	98
37) Ethyl Acetate	7.559	43	48436	20.561	ug/l	99
38) Carbon Tetrachloride	8.359	117	61594	20.593	ug/l	97
39) Methylcyclohexane	9.600	83	55102	20.464	ug/l	98
40) Benzene	8.600	78	163727	19.977	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26011	19.942 ug/l	99
42) 1,2-Dichloroethane	8.665	62	56374	20.106 ug/l	99
43) Isopropyl Acetate	8.682	43	88647	18.116 ug/l	98
44) Trichloroethene	9.347	130	38334	20.127 ug/l	96
45) 1,2-Dichloropropane	9.618	63	39852	19.742 ug/l	96
46) Dibromomethane	9.706	93	28140	20.062 ug/l	98
47) Bromodichloromethane	9.882	83	59008	19.849 ug/l	97
48) Methyl methacrylate	9.676	41	36687	20.148 ug/l	98
49) 1,4-Dioxane	9.694	88	12977	410.958 ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	230239	103.015 ug/l	99
52) Toluene	10.629	92	100021	20.615 ug/l	99
53) t-1,3-Dichloropropene	10.829	75	61215	20.539 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	64823	20.501 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	36732	20.326 ug/l	96
56) Ethyl methacrylate	10.871	69	55691	21.089 ug/l	98
57) 1,3-Dichloropropane	11.159	76	63314	19.906 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	137602	106.227 ug/l	100
59) 2-Hexanone	11.194	43	179717	107.514 ug/l	99
60) Dibromochloromethane	11.353	129	44450	20.126 ug/l	97
61) 1,2-Dibromoethane	11.465	107	37228	19.905 ug/l	99
64) Tetrachloroethene	11.100	164	32716	20.155 ug/l	93
65) Chlorobenzene	11.888	112	108255	19.815 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	37404	19.446 ug/l	98
67) Ethyl Benzene	11.959	91	181169	20.440 ug/l	98
68) m/p-Xylenes	12.070	106	141133	41.824 ug/l	99
69) o-Xylene	12.394	106	66013	20.565 ug/l	97
70) Styrene	12.406	104	113503	21.263 ug/l	99
71) Bromoform	12.576	173	28783	20.159 ug/l #	98
73) Isopropylbenzene	12.694	105	168631	20.438 ug/l	100
74) N-amyl acetate	12.494	43	72208	21.238 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53889	19.127 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	43650m	19.951 ug/l	
77) Bromobenzene	12.976	156	43298	19.500 ug/l	99
78) n-propylbenzene	13.035	91	196551	20.653 ug/l	99
79) 2-Chlorotoluene	13.123	91	128714	20.261 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	145726	21.048 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	18860	20.144 ug/l	99
82) 4-Chlorotoluene	13.217	91	133131	20.131 ug/l	99
83) tert-Butylbenzene	13.435	119	121188	20.344 ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	149479	20.974 ug/l	99
85) sec-Butylbenzene	13.611	105	168068	20.885 ug/l	100
86) p-Isopropyltoluene	13.729	119	143841	21.653 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	83500	19.066 ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	85098	19.041 ug/l	99
89) n-Butylbenzene	14.053	91	122257	19.790 ug/l	100
90) Hexachloroethane	14.329	117	27899	19.267 ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	82164	19.579 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10633	19.517 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	44383	19.467 ug/l	98
94) Hexachlorobutadiene	15.500	225	20642	19.618 ug/l	95
95) Naphthalene	15.641	128	132816	20.454 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	44145	20.293 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

ICAL Form

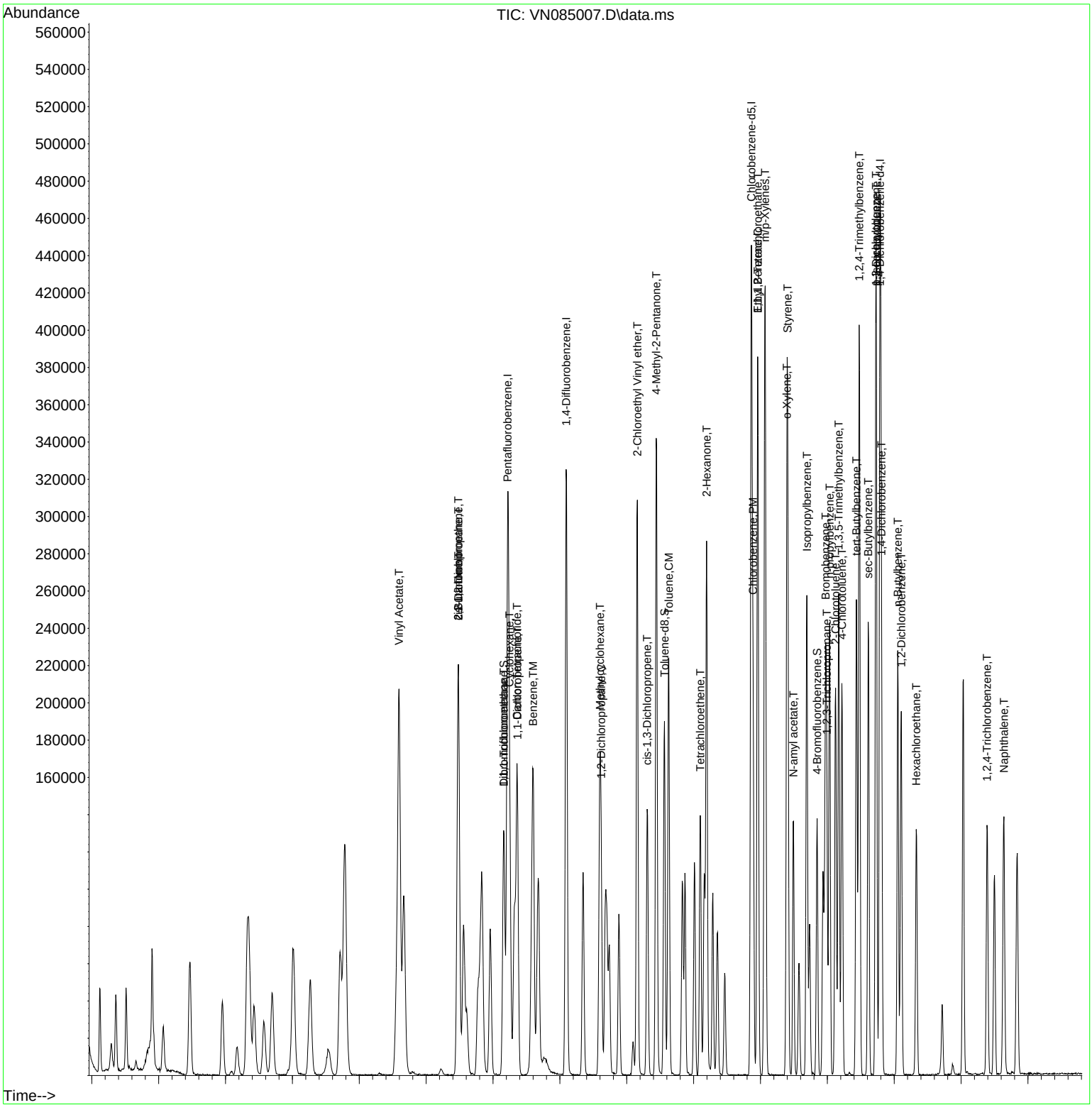
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	161407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	278264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	234609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	23734	10.323	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.640%#			
35) Dibromofluoromethane	8.159	113	18392	9.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.600%#			
50) Toluene-d8	10.559	98	64656	9.614	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.220%#			
62) 4-Bromofluorobenzene	12.847	95	24371	9.691	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	17355	9.509	ug/l	98
3) Chloromethane	2.359	50	19463	9.194	ug/l	93
4) Vinyl Chloride	2.512	62	18378	9.661	ug/l	99
5) Bromomethane	2.901	94	10681	10.017	ug/l	99
6) Chloroethane	3.077	64	12602	9.828	ug/l #	88
7) Trichlorofluoromethane	3.477	101	30566	9.445	ug/l	98
8) Diethyl Ether	3.953	74	10394	9.437	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.353	101	17791	9.693	ug/l	98
10) Methyl Iodide	4.583	142	22722	9.353	ug/l	95
11) Tert butyl alcohol	5.542	59	15491	50.421	ug/l #	81
12) 1,1-Dichloroethene	4.324	96	16330	9.532	ug/l	93
13) Acrolein	4.183	56	10601	51.710	ug/l	99
14) Allyl chloride	5.006	41	28006	9.697	ug/l	97
15) Acrylonitrile	5.718	53	40469	46.525	ug/l	98
16) Acetone	4.430	43	32743	48.900	ug/l	99
17) Carbon Disulfide	4.700	76	47181	9.331	ug/l #	93
18) Methyl Acetate	5.018	43	23065	9.856	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	53672	9.589	ug/l	96
20) Methylene Chloride	5.271	84	19680	9.632	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	16759	9.296	ug/l	92
22) Diisopropyl ether	6.665	45	56475	9.716	ug/l	99
23) Vinyl Acetate	6.594	43	192330	47.962	ug/l	100
24) 1,1-Dichloroethane	6.559	63	33350	9.588	ug/l #	92
25) 2-Butanone	7.477	43	51223	46.790	ug/l	95
26) 2,2-Dichloropropane	7.477	77	30494	9.388	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	20469	9.418	ug/l	99
28) Bromochloromethane	7.806	49	12594	9.591	ug/l	95
29) Tetrahydrofuran	7.841	42	32197	47.294	ug/l	99
30) Chloroform	7.959	83	34651	9.365	ug/l	98
31) Cyclohexane	8.253	56	29526	9.641	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	32054	9.587	ug/l	98
36) 1,1-Dichloropropene	8.371	75	23205	9.130	ug/l	99
37) Ethyl Acetate	7.559	43	22487	9.732	ug/l #	97
38) Carbon Tetrachloride	8.353	117	26952	9.186	ug/l	97
39) Methylcyclohexane	9.594	83	23924	9.058	ug/l	96
40) Benzene	8.600	78	75597	9.404	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	12417	9.705 ug/l	99
42) 1,2-Dichloroethane	8.659	62	25169	9.152 ug/l	100
43) Isopropyl Acetate	8.688	43	43717	9.108 ug/l	95
44) Trichloroethene	9.347	130	17835	9.547 ug/l	90
45) 1,2-Dichloropropane	9.618	63	18902	9.546 ug/l	98
46) Dibromomethane	9.706	93	12540	9.114 ug/l	96
47) Bromodichloromethane	9.888	83	27136	9.306 ug/l	95
48) Methyl methacrylate	9.677	41	16793	9.402 ug/l	95
49) 1,4-Dioxane	9.694	88	6366	205.527 ug/l #	90
51) 4-Methyl-2-Pentanone	10.441	43	106422	48.544 ug/l	100
52) Toluene	10.630	92	44072	9.261 ug/l	95
53) t-1,3-Dichloropropene	10.835	75	27040	9.249 ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	28183	9.087 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	17498	9.871 ug/l	98
56) Ethyl methacrylate	10.871	69	24309	9.385 ug/l	99
57) 1,3-Dichloropropane	11.159	76	29257	9.378 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	61252	48.207 ug/l	97
59) 2-Hexanone	11.194	43	77951	47.542 ug/l	98
60) Dibromochloromethane	11.353	129	19478	8.991 ug/l	97
61) 1,2-Dibromoethane	11.465	107	17673	9.633 ug/l	95
64) Tetrachloroethene	11.100	164	15092	9.547 ug/l	94
65) Chlorobenzene	11.888	112	51106	9.605 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	17966	9.590 ug/l	98
67) Ethyl Benzene	11.959	91	79668	9.229 ug/l	95
68) m/p-Xylenes	12.071	106	62195	18.925 ug/l	98
69) o-Xylene	12.394	106	30067	9.618 ug/l	95
70) Styrene	12.412	104	50150	9.647 ug/l	99
71) Bromoform	12.576	173	12832	9.228 ug/l #	96
73) Isopropylbenzene	12.694	105	75080	9.644 ug/l	98
74) N-amyl acetate	12.488	43	29811	9.292 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	25341	9.532 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	16940m	8.206 ug/l	
77) Bromobenzene	12.976	156	19904	9.500 ug/l	99
78) n-propylbenzene	13.035	91	85642	9.537 ug/l	98
79) 2-Chlorotoluene	13.123	91	58233	9.715 ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	63212	9.676 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	8603	9.738 ug/l	99
82) 4-Chlorotoluene	13.218	91	60156	9.640 ug/l	100
83) tert-Butylbenzene	13.435	119	53773	9.566 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	64606	9.607 ug/l	99
85) sec-Butylbenzene	13.618	105	72405	9.535 ug/l	99
86) p-Isopropyltoluene	13.729	119	60467	9.647 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	38501	9.317 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	39471	9.360 ug/l	99
89) n-Butylbenzene	14.059	91	52430	8.994 ug/l	100
90) Hexachloroethane	14.335	117	12541	9.179 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	37183	9.390 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4917	9.565 ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	20285	9.429 ug/l	97
94) Hexachlorobutadiene	15.500	225	9015	9.080 ug/l	98
95) Naphthalene	15.641	128	54191	8.844 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	18745	9.132 ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

ICAL Form

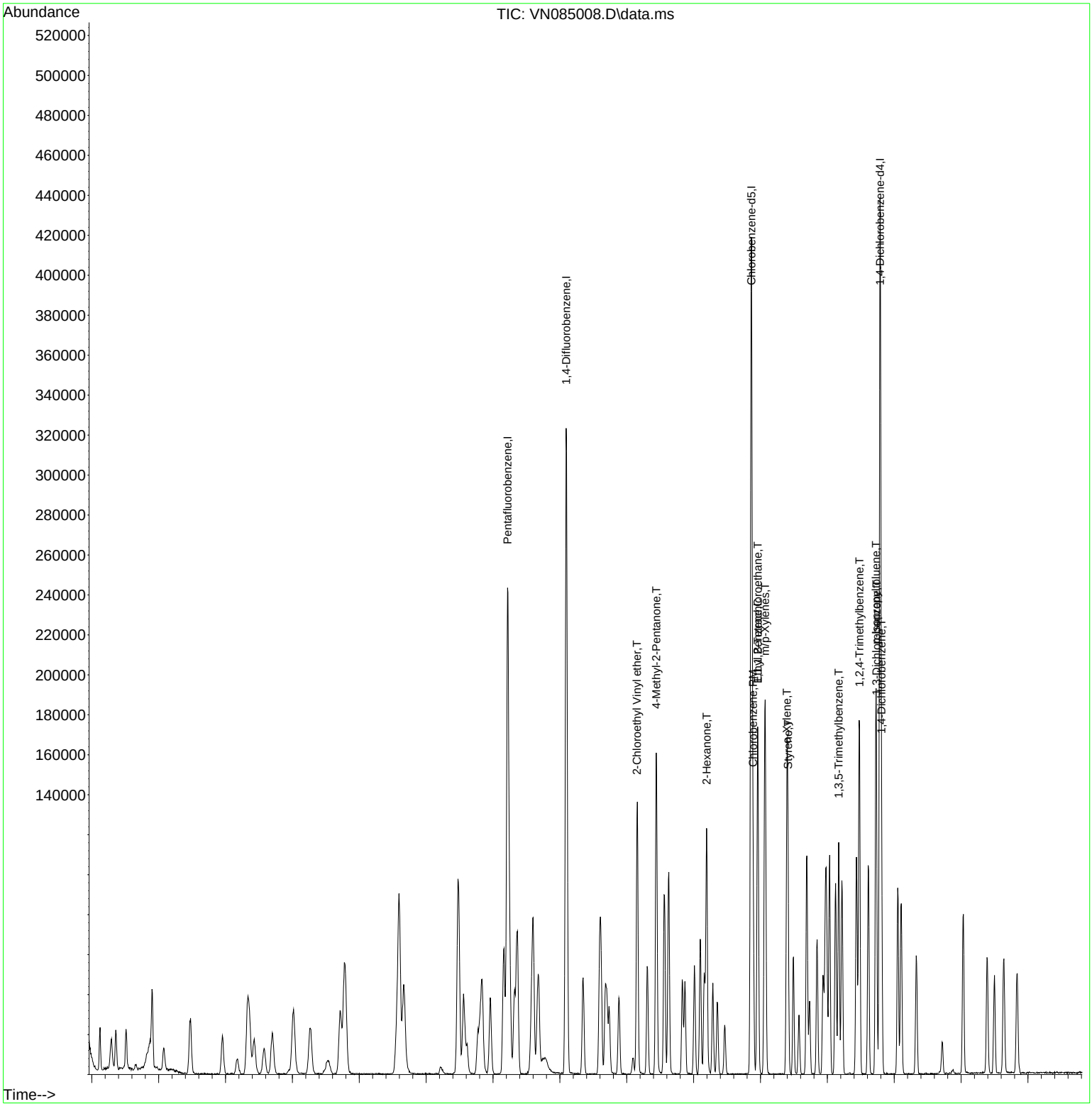
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	165285	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	280025	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.864	117	235767	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108389	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	11977	5.087	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.180%#				
35) Dibromofluoromethane	8.159	113	9597	5.082	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.160%#				
50) Toluene-d8	10.559	98	32318	4.775	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.560%#				
62) 4-Bromofluorobenzene	12.847	95	12715	5.024	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 10.040%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	9758	5.221	ug/l		91
3) Chloromethane	2.359	50	10967	5.059	ug/l		97
4) Vinyl Chloride	2.512	62	10043	5.155	ug/l		92
5) Bromomethane	2.900	94	6052	5.543	ug/l		98
6) Chloroethane	3.059	64	6721	5.119	ug/l		93
7) Trichlorofluoromethane	3.465	101	17204	5.192	ug/l		98
8) Diethyl Ether	3.947	74	5696	5.050	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.353	101	9518	5.064	ug/l		98
10) Methyl Iodide	4.577	142	12631	5.077	ug/l		96
11) Tert butyl alcohol	5.541	59	9684	30.780	ug/l	#	89
12) 1,1-Dichloroethene	4.318	96	8977	5.117	ug/l	#	92
13) Acrolein	4.177	56	4745	22.602	ug/l		95
14) Allyl chloride	5.006	41	14439	4.882	ug/l		97
15) Acrylonitrile	5.712	53	22627	25.403	ug/l		96
16) Acetone	4.430	43	16131	23.525	ug/l		93
17) Carbon Disulfide	4.694	76	26272	5.074	ug/l	#	87
18) Methyl Acetate	5.018	43	14139	5.429	ug/l		98
19) Methyl tert-butyl Ether	5.800	73	27679	4.829	ug/l		95
20) Methylene Chloride	5.271	84	10410	4.975	ug/l	#	88
21) trans-1,2-Dichloroethene	5.765	96	9388	5.085	ug/l		99
22) Diisopropyl ether	6.659	45	30018	5.043	ug/l		97
23) Vinyl Acetate	6.594	43	97507	23.745	ug/l		96
24) 1,1-Dichloroethane	6.559	63	18044	5.066	ug/l		97
25) 2-Butanone	7.482	43	27100	24.174	ug/l		98
26) 2,2-Dichloropropane	7.482	77	16525	4.968	ug/l		99
27) cis-1,2-Dichloroethene	7.482	96	11250	5.055	ug/l		96
28) Bromochloromethane	7.806	49	6592	4.903	ug/l	#	98
29) Tetrahydrofuran	7.841	42	17501	25.104	ug/l		99
30) Chloroform	7.959	83	18837	4.971	ug/l		91
31) Cyclohexane	8.247	56	18036	5.751	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	16611	4.851	ug/l		97
36) 1,1-Dichloropropene	8.371	75	13147	5.140	ug/l		98
37) Ethyl Acetate	7.553	43	11891	5.114	ug/l	#	79
38) Carbon Tetrachloride	8.359	117	14827	5.022	ug/l		96
39) Methylcyclohexane	9.594	83	13143	4.945	ug/l		95
40) Benzene	8.600	78	40657	5.026	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.782	41	5687	4.417 ug/l	93
42) 1,2-Dichloroethane	8.671	62	14824	5.356 ug/l	99
43) Isopropyl Acetate	8.688	43	23894	4.947 ug/l	95
44) Trichloroethene	9.347	130	9711	5.165 ug/l	100
45) 1,2-Dichloropropane	9.618	63	9859	4.948 ug/l	99
46) Dibromomethane	9.706	93	6962	5.028 ug/l	98
47) Bromodichloromethane	9.888	83	14562	4.962 ug/l #	96
48) Methyl methacrylate	9.676	41	8840	4.918 ug/l	94
49) 1,4-Dioxane	9.694	88	2953	94.738 ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	55176	25.010 ug/l	100
52) Toluene	10.629	92	24051	5.022 ug/l	98
53) t-1,3-Dichloropropene	10.835	75	13412	4.559 ug/l	91
54) cis-1,3-Dichloropropene	10.312	75	14917	4.779 ug/l	95
55) 1,1,2-Trichloroethane	11.017	97	8791	4.928 ug/l	96
56) Ethyl methacrylate	10.876	69	12004	4.605 ug/l	93
57) 1,3-Dichloropropane	11.159	76	15736	5.012 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	27177	21.254 ug/l	100
59) 2-Hexanone	11.194	43	41641	25.237 ug/l	95
60) Dibromochloromethane	11.359	129	10844	4.974 ug/l	98
61) 1,2-Dibromoethane	11.465	107	9468	5.128 ug/l	96
64) Tetrachloroethene	11.100	164	8826	5.556 ug/l	89
65) Chlorobenzene	11.888	112	26717	4.997 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	9904	5.261 ug/l	96
67) Ethyl Benzene	11.959	91	42642	4.916 ug/l	96
68) m/p-Xylenes	12.070	106	31421	9.514 ug/l	99
69) o-Xylene	12.400	106	14935	4.754 ug/l	98
70) Styrene	12.412	104	24480	4.686 ug/l	99
71) Bromoform	12.576	173	7040	5.038 ug/l #	100
73) Isopropylbenzene	12.694	105	37544	4.910 ug/l	97
74) N-amyl acetate	12.494	43	14995	4.759 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	13341	5.109 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	8907m	4.393 ug/l	
77) Bromobenzene	12.976	156	10485	5.095 ug/l	94
78) n-propylbenzene	13.035	91	43493	4.931 ug/l	99
79) 2-Chlorotoluene	13.123	91	29037	4.932 ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	30809	4.802 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	4774	5.502 ug/l #	88
82) 4-Chlorotoluene	13.217	91	30558	4.986 ug/l	97
83) tert-Butylbenzene	13.435	119	26485	4.797 ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	31328	4.743 ug/l	98
85) sec-Butylbenzene	13.611	105	35183	4.718 ug/l	99
86) p-Isopropyltoluene	13.729	119	28019	4.551 ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	21043	5.185 ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	22041	5.322 ug/l	93
89) n-Butylbenzene	14.053	91	27093	4.732 ug/l	99
90) Hexachloroethane	14.329	117	6869	5.119 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	19670	5.058 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2703	5.353 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	10547	4.992 ug/l	98
94) Hexachlorobutadiene	15.494	225	5141	5.272 ug/l	96
95) Naphthalene	15.641	128	29077	4.832 ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	10042	4.981 ug/l	94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

ICAL Form

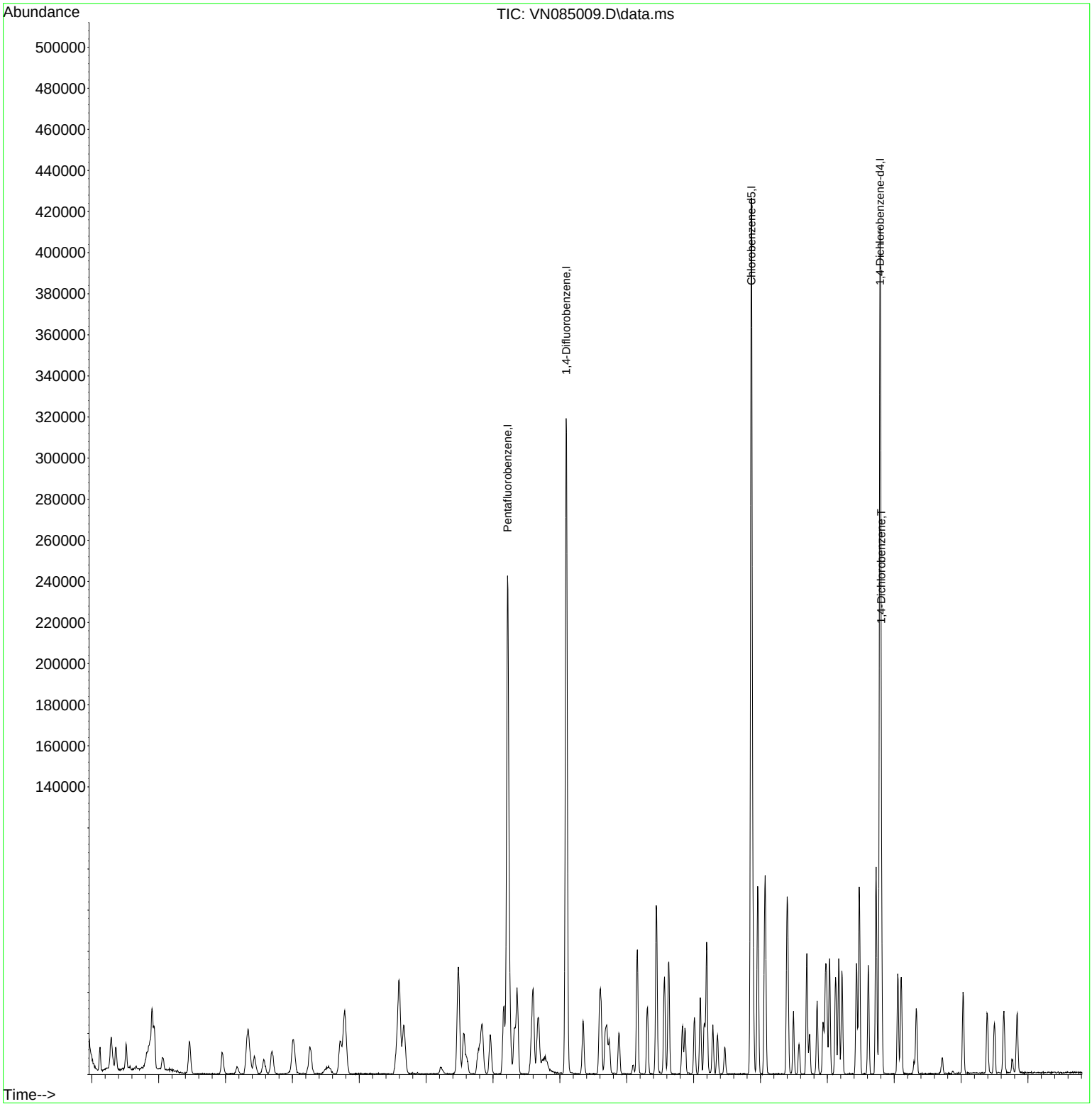
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	142307	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	255159	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	210265	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88784	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	1589	0.987	ug/l		91
3) Chloromethane	2.359	50	2580	1.382	ug/l	#	86
4) Vinyl Chloride	2.518	62	1730	1.031	ug/l	#	81
6) Chloroethane	3.077	64	1303m	1.153	ug/l		
7) Trichlorofluoromethane	3.453	101	2950	1.034	ug/l		99
8) Diethyl Ether	3.953	74	898	0.925	ug/l		90
9) 1,1,2-Trichlorotrifluo...	4.365	101	1632m	1.009	ug/l		
12) 1,1-Dichloroethene	4.324	96	1511	1.000	ug/l	#	61
14) Allyl chloride	5.012	41	2663	1.046	ug/l		98
15) Acrylonitrile	5.718	53	4314	5.625	ug/l	#	75
16) Acetone	4.442	43	2973	5.036	ug/l	#	69
17) Carbon Disulfide	4.694	76	5206	1.168	ug/l	#	84
18) Methyl Acetate	5.030	43	3542m	0.747	ug/l		
19) Methyl tert-butyl Ether	5.789	73	4765m	0.966	ug/l		
20) Methylene Chloride	5.271	84	2130m	1.182	ug/l		
21) trans-1,2-Dichloroethene	5.783	96	1624	1.022	ug/l		95
22) Diisopropyl ether	6.665	45	5194	1.014	ug/l		96
23) Vinyl Acetate	6.600	43	16519	4.672	ug/l		99
24) 1,1-Dichloroethane	6.559	63	3177	1.036	ug/l	#	83
25) 2-Butanone	7.477	43	5363	5.556	ug/l	#	89
26) 2,2-Dichloropropane	7.494	77	3083	1.077	ug/l		86
27) cis-1,2-Dichloroethene	7.477	96	2074	1.082	ug/l		88
28) Bromochloromethane	7.806	49	1248	1.078	ug/l	#	94
29) Tetrahydrofuran	7.835	42	3038	5.061	ug/l		90
30) Chloroform	7.959	83	3824	1.172	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	3231	1.096	ug/l	#	48
36) 1,1-Dichloropropene	8.365	75	2304	0.989	ug/l	#	87
37) Ethyl Acetate	7.547	43	2101	0.992	ug/l	#	67
38) Carbon Tetrachloride	8.359	117	2554	0.949	ug/l		92
39) Methylcyclohexane	9.600	83	1948	0.804	ug/l		89
40) Benzene	8.600	78	7459	1.012	ug/l	#	83
41) Methacrylonitrile	7.777	41	1263	1.077	ug/l	#	70
42) 1,2-Dichloroethane	8.671	62	2512	0.996	ug/l		81
43) Isopropyl Acetate	8.688	43	5905m	1.342	ug/l		
44) Trichloroethene	9.347	130	1685	0.984	ug/l		74
45) 1,2-Dichloropropane	9.618	63	1911	1.053	ug/l		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.706	93	1327	1.052 ug/l	100
47) Bromodichloromethane	9.894	83	2757	1.031 ug/l #	72
48) Methyl methacrylate	9.682	41	1550	0.946 ug/l	91
49) 1,4-Dioxane	9.700	88	553	19.470 ug/l #	54
51) 4-Methyl-2-Pentanone	10.441	43	9203	4.578 ug/l	93
52) Toluene	10.624	92	3979	0.912 ug/l	92
53) t-1,3-Dichloropropene	10.829	75	2680	1.000 ug/l	89
54) cis-1,3-Dichloropropene	10.312	75	2759	0.970 ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	1536	0.945 ug/l #	79
56) Ethyl methacrylate	10.876	69	1888	0.795 ug/l	97
57) 1,3-Dichloropropane	11.165	76	2917	1.020 ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	4254	3.651 ug/l	98
59) 2-Hexanone	11.200	43	6264	4.166 ug/l	90
60) Dibromochloromethane	11.359	129	2099	1.057 ug/l	93
61) 1,2-Dibromoethane	11.465	107	1648	0.980 ug/l	98
64) Tetrachloroethene	11.100	164	1291	0.911 ug/l #	88
65) Chlorobenzene	11.888	112	5217	1.094 ug/l #	81
66) 1,1,1,2-Tetrachloroethane	11.965	131	1639	0.976 ug/l #	62
67) Ethyl Benzene	11.959	91	6914	0.894 ug/l #	85
68) m/p-Xylenes	12.070	106	5269	1.789 ug/l	91
69) o-Xylene	12.400	106	2514	0.897 ug/l	82
70) Styrene	12.406	104	3871	0.831 ug/l	99
71) Bromoform	12.576	173	1215	0.975 ug/l #	92
73) Isopropylbenzene	12.688	105	5637	0.900 ug/l	99
74) N-amyl acetate	12.494	43	2377	0.921 ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.929	83	2694	1.260 ug/l #	82
76) 1,2,3-Trichloropropane	12.988	75	1816m	1.093 ug/l	
77) Bromobenzene	12.982	156	1903	1.129 ug/l	86
78) n-propylbenzene	13.029	91	6275	0.869 ug/l	97
79) 2-Chlorotoluene	13.123	91	4935	1.023 ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	4473	0.851 ug/l	98
82) 4-Chlorotoluene	13.223	91	5286	1.053 ug/l	92
83) tert-Butylbenzene	13.435	119	4357	0.963 ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	4802	0.888 ug/l	100
85) sec-Butylbenzene	13.612	105	5284	0.865 ug/l	99
86) p-Isopropyltoluene	13.729	119	4047	0.803 ug/l	88
87) 1,3-Dichlorobenzene	13.729	146	4131	1.243 ug/l	86
88) 1,4-Dichlorobenzene	13.806	146	4149m	1.223 ug/l	
89) n-Butylbenzene	14.053	91	4981	1.062 ug/l	92
90) Hexachloroethane	14.329	117	1217	1.107 ug/l #	52
91) 1,2-Dichlorobenzene	14.100	146	3830	1.202 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	470	1.136 ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	2092	1.209 ug/l	93
94) Hexachlorobutadiene	15.494	225	987	1.236 ug/l	80
95) Naphthalene	15.641	128	5242	1.063 ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	1849	1.120 ug/l	94

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

ICAL Form

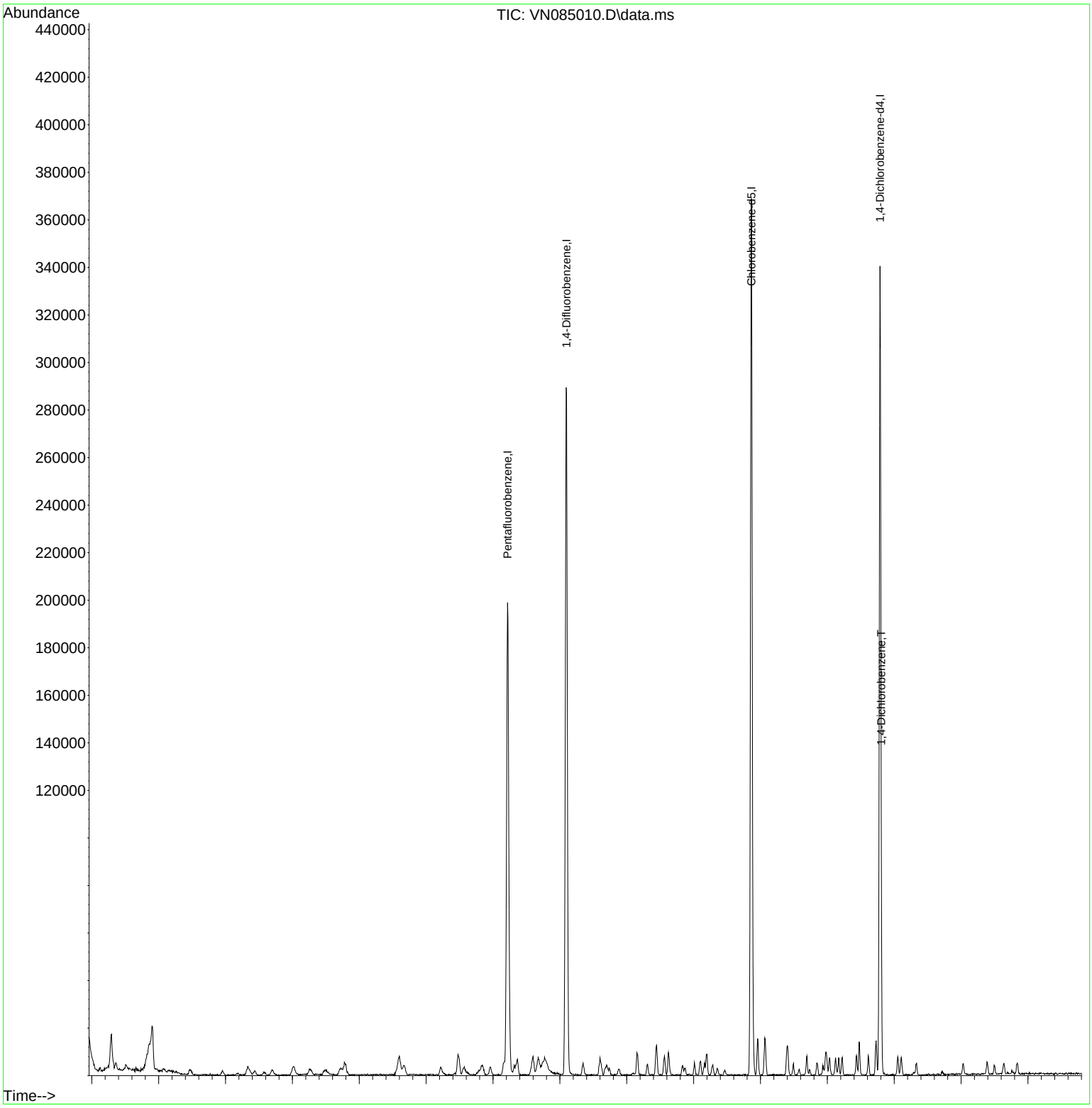
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

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

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	180278	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	293712	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	254182	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128770	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	129855	50.568	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.140%				
35) Dibromofluoromethane	8.159	113	102148	51.572	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%				
50) Toluene-d8	10.559	98	379679	53.488	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.980%				
62) 4-Bromofluorobenzene	12.847	95	141423	53.276	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.560%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.118	85	95019	46.612	ug/l		99
3) Chloromethane	2.359	50	99689	42.164	ug/l		98
4) Vinyl Chloride	2.512	62	97145	45.721	ug/l		95
5) Bromomethane	2.900	94	53525	44.945	ug/l		91
6) Chloroethane	3.077	64	59473	41.527	ug/l		94
7) Trichlorofluoromethane	3.477	101	165959	45.916	ug/l		94
8) Diethyl Ether	3.953	74	58978	47.942	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.359	101	93701	45.709	ug/l		99
10) Methyl Iodide	4.577	142	127705	47.063	ug/l		97
11) Tert butyl alcohol	5.536	59	74416	216.857	ug/l		97
12) 1,1-Dichloroethene	4.330	96	89314	46.677	ug/l		97
13) Acrolein	4.171	56	58781	256.710	ug/l		99
14) Allyl chloride	5.012	41	152182	47.178	ug/l		99
15) Acrylonitrile	5.712	53	225423	232.029	ug/l		99
16) Acetone	4.424	43	188963	252.665	ug/l		99
17) Carbon Disulfide	4.700	76	244899	43.362	ug/l	#	94
18) Methyl Acetate	5.018	43	111346	46.500	ug/l		99
19) Methyl tert-butyl Ether	5.789	73	303857	48.602	ug/l		98
20) Methylene Chloride	5.271	84	98339	43.090	ug/l		96
21) trans-1,2-Dichloroethene	5.777	96	92234	45.805	ug/l	#	89
22) Diisopropyl ether	6.665	45	306957	47.281	ug/l		98
23) Vinyl Acetate	6.594	43	1108786	247.560	ug/l		100
24) 1,1-Dichloroethane	6.559	63	177343	45.647	ug/l		99
25) 2-Butanone	7.477	43	294434	240.802	ug/l		100
26) 2,2-Dichloropropane	7.488	77	168144	46.349	ug/l		98
27) cis-1,2-Dichloroethene	7.477	96	110716	45.609	ug/l		97
28) Bromochloromethane	7.812	49	67335	45.913	ug/l		97
29) Tetrahydrofuran	7.835	42	183433	241.241	ug/l		100
30) Chloroform	7.959	83	188550	45.623	ug/l		95
31) Cyclohexane	8.253	56	157639	46.084	ug/l		97
32) 1,1,1-Trichloroethane	8.159	97	170723	45.714	ug/l		99
36) 1,1-Dichloropropene	8.365	75	129026	48.093	ug/l		99
37) Ethyl Acetate	7.553	43	113781	46.651	ug/l		100
38) Carbon Tetrachloride	8.359	117	151265	48.846	ug/l		98
39) Methylcyclohexane	9.594	83	145286	52.114	ug/l		98
40) Benzene	8.600	78	404536	47.675	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	66590	49.311 ug/l	98
42) 1,2-Dichloroethane	8.665	62	136508	47.025 ug/l	100
43) Isopropyl Acetate	8.688	43	210623	41.574 ug/l	99
44) Trichloroethene	9.347	130	93086	47.205 ug/l	98
45) 1,2-Dichloropropane	9.618	63	98380	47.073 ug/l	95
46) Dibromomethane	9.706	93	69575	47.909 ug/l	99
47) Bromodichloromethane	9.882	83	146603	47.631 ug/l	97
48) Methyl methacrylate	9.676	41	95959	50.900 ug/l	97
49) 1,4-Dioxane	9.694	88	31078	950.585 ug/l #	87
51) 4-Methyl-2-Pentanone	10.441	43	582480	251.720 ug/l	100
52) Toluene	10.629	92	249568	49.682 ug/l	99
53) t-1,3-Dichloropropene	10.829	75	150836	48.881 ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	164009	50.100 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	92219	49.287 ug/l	99
56) Ethyl methacrylate	10.871	69	149537	54.694 ug/l	98
57) 1,3-Dichloropropane	11.159	76	158000	47.980 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	315602	235.323 ug/l	99
59) 2-Hexanone	11.194	43	444749	256.983 ug/l	100
60) Dibromochloromethane	11.359	129	108961	47.650 ug/l	99
61) 1,2-Dibromoethane	11.465	107	94657	48.883 ug/l	96
64) Tetrachloroethene	11.100	164	82753	48.316 ug/l	97
65) Chlorobenzene	11.888	112	264798	45.936 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95374	46.991 ug/l	98
67) Ethyl Benzene	11.959	91	477400	51.046 ug/l	96
68) m/p-Xylenes	12.065	106	363006	101.951 ug/l	99
69) o-Xylene	12.394	106	173028	51.086 ug/l	98
70) Styrene	12.406	104	296759	52.687 ug/l	99
71) Bromoform	12.576	173	73244	48.617 ug/l #	98
73) Isopropylbenzene	12.694	105	445261	49.014 ug/l	100
74) N-amyl acetate	12.494	43	184990	49.418 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	132755	42.796 ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	105927m	45.225 ug/l	
77) Bromobenzene	12.976	156	108566	44.410 ug/l	99
78) n-propylbenzene	13.035	91	525567	50.160 ug/l	98
79) 2-Chlorotoluene	13.123	91	324611	46.409 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	382819	50.220 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	49617	46.764 ug/l	98
82) 4-Chlorotoluene	13.217	91	331271	45.496 ug/l	99
83) tert-Butylbenzene	13.435	119	320979	48.939 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	392031	49.962 ug/l	99
85) sec-Butylbenzene	13.612	105	444471	50.166 ug/l	99
86) p-Isopropyltoluene	13.729	119	378270	51.719 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	204731	42.459 ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	202930	41.240 ug/l	97
89) n-Butylbenzene	14.053	91	325752	47.892 ug/l	100
90) Hexachloroethane	14.335	117	72271	45.332 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	200864	43.472 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26503	44.183 ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	107707	42.908 ug/l	99
94) Hexachlorobutadiene	15.500	225	49330	42.581 ug/l	99
95) Naphthalene	15.641	128	329352	46.067 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	102829	42.932 ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

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

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

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

ICAL Form

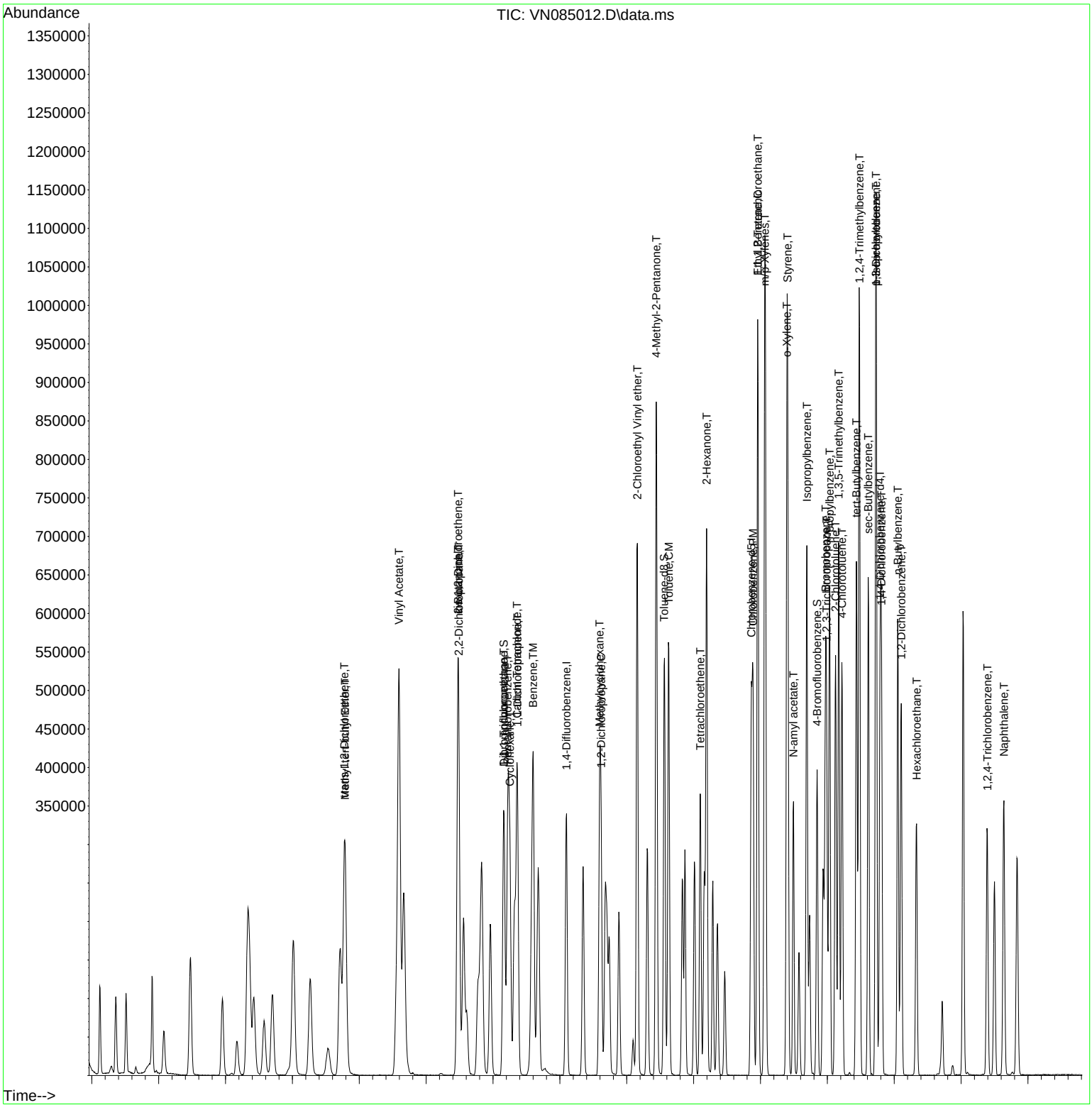
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	0.565	0.527	6.7	104	0.00
3	P	Chloromethane	0.656	0.553	15.7	103	0.00
4	C	Vinyl Chloride	0.589	0.539	8.5#	103	0.00
5	T	Bromomethane	0.330	0.297	10.0	105	0.00
6	T	Chloroethane	0.397	0.330	16.9	96	0.01
7	T	Trichlorofluoromethane	1.002	0.921	8.1	105	0.02
8	T	Diethyl Ether	0.341	0.327	4.1	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.569	0.520	8.6	104	0.00
10	T	Methyl Iodide	0.753	0.708	6.0	105	0.00
11	T	Tert butyl alcohol	0.095	0.083	12.6	101	0.00
12	CM	1,1-Dichloroethene	0.531	0.495	6.8#	104	0.01
13	T	Acrolein	0.064	0.065	-1.6	103	0.00
14	T	Allyl chloride	0.895	0.844	5.7	105	0.00
15	T	Acrylonitrile	0.269	0.250	7.1	105	0.00
16	T	Acetone	0.207	0.210	-1.4	114	0.00
17	T	Carbon Disulfide	1.566	1.358	13.3	102	0.00
18	T	Methyl Acetate	0.804	0.618	23.1	104	0.00
19	T	Methyl tert-butyl Ether	1.734	1.685	2.8	105	0.00
20	T	Methylene Chloride	0.633	0.545	13.9	102	0.00
21	T	trans-1,2-Dichloroethene	0.558	0.512	8.2	101	0.00
22	T	Diisopropyl ether	1.801	1.703	5.4	106	0.00
23	T	Vinyl Acetate	1.242	1.230	1.0	105	0.00
24	P	1,1-Dichloroethane	1.078	0.984	8.7	103	0.00
25	T	2-Butanone	0.339	0.327	3.5	109	0.00
26	T	2,2-Dichloropropane	1.006	0.933	7.3	104	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.614	8.8	103	0.00
28	T	Bromochloromethane	0.407	0.374	8.1	104	0.00
29	T	Tetrahydrofuran	0.211	0.204	3.3	105	0.00
30	C	Chloroform	1.146	1.046	8.7#	105	0.00
31	T	Cyclohexane	0.949	0.874	7.9	109	0.00
32	T	1,1,1-Trichloroethane	1.036	0.947	8.6	103	0.00
33	S	1,2-Dichloroethane-d4	0.712	0.720	-1.1	113	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35	S	Dibromofluoromethane	0.337	0.348	-3.3	111	0.00
36	T	1,1-Dichloropropene	0.457	0.439	3.9	104	0.00
37	T	Ethyl Acetate	0.415	0.387	6.7	104	0.00
38	T	Carbon Tetrachloride	0.527	0.515	2.3	104	0.00
39	T	Methylcyclohexane	0.475	0.495	-4.2	106	0.00
40	TM	Benzene	1.444	1.377	4.6	105	0.00
41	T	Methacrylonitrile	0.230	0.227	1.3	106	0.00
42	TM	1,2-Dichloroethane	0.494	0.465	5.9	105	0.00
43	T	Isopropyl Acetate	0.862	0.717	16.8	103	0.00
44	TM	Trichloroethene	0.336	0.317	5.7	105	0.00
45	C	1,2-Dichloropropane	0.356	0.335	5.9#	104	0.00
46	T	Dibromomethane	0.247	0.237	4.0	105	0.00
47	T	Bromodichloromethane	0.524	0.499	4.8	103	0.00
48	T	Methyl methacrylate	0.321	0.327	-1.9	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.005	16.7	98	0.00
50	S	Toluene-d8	1.208	1.293	-7.0	112	0.00
51	T	4-Methyl-2-Pentanone	0.394	0.397	-0.8	106	0.00
52	CM	Toluene	0.855	0.850	0.6#	104	0.00
53	T	t-1,3-Dichloropropene	0.525	0.514	2.1	101	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.558	-0.2	105	0.00
55	T	1,1,2-Trichloroethane	0.319	0.314	1.6	106	0.00
56	T	Ethyl methacrylate	0.465	0.509	-9.5	106	0.00
57	T	1,3-Dichloropropane	0.561	0.538	4.1	104	0.00
58	T	2-Chloroethyl Vinyl ether	0.228	0.215	5.7	86	0.00
59	T	2-Hexanone	0.295	0.303	-2.7	105	0.00
60	T	Dibromochloromethane	0.389	0.371	4.6	104	0.00
61	T	1,2-Dibromoethane	0.330	0.322	2.4	106	0.00
62	S	4-Bromofluorobenzene	0.452	0.482	-6.6	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.337	0.326	3.3	109	0.00
65	PM	Chlorobenzene	1.134	1.042	8.1	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.399	0.375	6.0	103	0.00
67	C	Ethyl Benzene	1.840	1.878	-2.1#	106	0.00
68	T	m/p-Xylenes	0.700	0.714	-2.0	106	0.00
69	T	o-Xylene	0.666	0.681	-2.3	105	0.00
70	T	Styrene	1.108	1.168	-5.4	107	0.00
71	P	Bromoform	0.296	0.288	2.7	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00
73	T	Isopropylbenzene	3.527	3.458	2.0	107	0.00
74	T	N-amyl acetate	1.454	1.437	1.2	104	0.00
75	P	1,1,2,2-Tetrachloroethane	1.204	1.031	14.4	105	0.00
76	T	1,2,3-Trichloropropane	0.909	0.823	9.5	103	0.00
77	T	Bromobenzene	0.949	0.843	11.2	103	0.00
78	T	n-propylbenzene	4.068	4.081	-0.3	108	0.00
79	T	2-Chlorotoluene	2.716	2.521	7.2	106	0.00
80	T	1,3,5-Trimethylbenzene	2.960	2.973	-0.4	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.412	0.385	6.6	106	0.00
82	T	4-Chlorotoluene	2.827	2.573	9.0	104	0.00
83	T	tert-Butylbenzene	2.547	2.493	2.1	107	0.00
84	T	1,2,4-Trimethylbenzene	3.047	3.044	0.1	106	0.00
85	T	sec-Butylbenzene	3.440	3.452	-0.3	106	0.00
86	T	p-Isopropyltoluene	2.840	2.938	-3.5	107	0.00
87	T	1,3-Dichlorobenzene	1.872	1.590	15.1	104	0.00
88	T	1,4-Dichlorobenzene	1.911	1.576	17.5	101	0.00
89	T	n-Butylbenzene	2.641	2.530	4.2	107	0.00
90	T	Hexachloroethane	0.619	0.561	9.4	104	0.00
91	T	1,2-Dichlorobenzene	1.794	1.560	13.0	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.206	11.6	106	0.00
93	T	1,2,4-Trichlorobenzene	0.975	0.836	14.3	104	0.00
94	T	Hexachlorobutadiene	0.450	0.383	14.9	107	0.00
95	T	Naphthalene	2.776	2.558	7.9	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.799	14.1	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\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	50.000	46.612	6.8	104	0.00
3	P	Chloromethane	50.000	42.164	15.7	103	0.00
4	C	Vinyl Chloride	50.000	45.721	8.6#	103	0.00
5	T	Bromomethane	50.000	44.945	10.1	105	0.00
6	T	Chloroethane	50.000	41.527	16.9	96	0.01
7	T	Trichlorofluoromethane	50.000	45.916	8.2	105	0.02
8	T	Diethyl Ether	50.000	47.942	4.1	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.709	8.6	104	0.00
10	T	Methyl Iodide	50.000	47.063	5.9	105	0.00
11	T	Tert butyl alcohol	250.000	216.857	13.3	101	0.00
12	CM	1,1-Dichloroethene	50.000	46.677	6.6#	104	0.01
13	T	Acrolein	250.000	256.710	-2.7	103	0.00
14	T	Allyl chloride	50.000	47.178	5.6	105	0.00
15	T	Acrylonitrile	250.000	232.029	7.2	105	0.00
16	T	Acetone	250.000	252.665	-1.1	114	0.00
17	T	Carbon Disulfide	50.000	43.362	13.3	102	0.00
18	T	Methyl Acetate	50.000	46.500	7.0	104	0.00
19	T	Methyl tert-butyl Ether	50.000	48.602	2.8	105	0.00
20	T	Methylene Chloride	50.000	43.090	13.8	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.805	8.4	101	0.00
22	T	Diisopropyl ether	50.000	47.281	5.4	106	0.00
23	T	Vinyl Acetate	250.000	247.560	1.0	105	0.00
24	P	1,1-Dichloroethane	50.000	45.647	8.7	103	0.00
25	T	2-Butanone	250.000	240.802	3.7	109	0.00
26	T	2,2-Dichloropropane	50.000	46.349	7.3	104	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.609	8.8	103	0.00
28	T	Bromochloromethane	50.000	45.913	8.2	104	0.00
29	T	Tetrahydrofuran	250.000	241.241	3.5	105	0.00
30	C	Chloroform	50.000	45.623	8.8#	105	0.00
31	T	Cyclohexane	50.000	46.084	7.8	109	0.00
32	T	1,1,1-Trichloroethane	50.000	45.714	8.6	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.568	-1.1	113	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35	S	Dibromofluoromethane	50.000	51.572	-3.1	111	0.00
36	T	1,1-Dichloropropene	50.000	48.093	3.8	104	0.00
37	T	Ethyl Acetate	50.000	46.651	6.7	104	0.00
38	T	Carbon Tetrachloride	50.000	48.846	2.3	104	0.00
39	T	Methylcyclohexane	50.000	52.114	-4.2	106	0.00
40	TM	Benzene	50.000	47.675	4.7	105	0.00
41	T	Methacrylonitrile	50.000	49.311	1.4	106	0.00
42	TM	1,2-Dichloroethane	50.000	47.025	6.0	105	0.00
43	T	Isopropyl Acetate	50.000	41.574	16.9	103	0.00
44	TM	Trichloroethene	50.000	47.205	5.6	105	0.00
45	C	1,2-Dichloropropane	50.000	47.073	5.9#	104	0.00
46	T	Dibromomethane	50.000	47.909	4.2	105	0.00
47	T	Bromodichloromethane	50.000	47.631	4.7	103	0.00
48	T	Methyl methacrylate	50.000	50.900	-1.8	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	950.585	4.9	98	0.00
50	S	Toluene-d8	50.000	53.488	-7.0	112	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.720	-0.7	106	0.00
52	CM	Toluene	50.000	49.682	0.6#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	48.881	2.2	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.100	-0.2	105	0.00
55	T	1,1,2-Trichloroethane	50.000	49.287	1.4	106	0.00
56	T	Ethyl methacrylate	50.000	54.694	-9.4	106	0.00
57	T	1,3-Dichloropropane	50.000	47.980	4.0	104	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	235.323	5.9	86	0.00
59	T	2-Hexanone	250.000	256.983	-2.8	105	0.00
60	T	Dibromochloromethane	50.000	47.650	4.7	104	0.00
61	T	1,2-Dibromoethane	50.000	48.883	2.2	106	0.00
62	S	4-Bromofluorobenzene	50.000	53.276	-6.6	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	48.316	3.4	109	0.00
65	PM	Chlorobenzene	50.000	45.936	8.1	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.991	6.0	103	0.00
67	C	Ethyl Benzene	50.000	51.046	-2.1#	106	0.00
68	T	m/p-Xylenes	100.000	101.951	-2.0	106	0.00
69	T	o-Xylene	50.000	51.086	-2.2	105	0.00
70	T	Styrene	50.000	52.687	-5.4	107	0.00
71	P	Bromoform	50.000	48.617	2.8	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	112	0.00
73	T	Isopropylbenzene	50.000	49.014	2.0	107	0.00
74	T	N-amyl acetate	50.000	49.418	1.2	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	42.796	14.4	105	0.00
76	T	1,2,3-Trichloropropane	50.000	45.225	9.5	103	0.00
77	T	Bromobenzene	50.000	44.410	11.2	103	0.00
78	T	n-propylbenzene	50.000	50.160	-0.3	108	0.00
79	T	2-Chlorotoluene	50.000	46.409	7.2	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.220	-0.4	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.764	6.5	106	0.00
82	T	4-Chlorotoluene	50.000	45.496	9.0	104	0.00
83	T	tert-Butylbenzene	50.000	48.939	2.1	107	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.962	0.1	106	0.00
85	T	sec-Butylbenzene	50.000	50.166	-0.3	106	0.00
86	T	p-Isopropyltoluene	50.000	51.719	-3.4	107	0.00
87	T	1,3-Dichlorobenzene	50.000	42.459	15.1	104	0.00
88	T	1,4-Dichlorobenzene	50.000	41.240	17.5	101	0.00
89	T	n-Butylbenzene	50.000	47.892	4.2	107	0.00
90	T	Hexachloroethane	50.000	45.332	9.3	104	0.00
91	T	1,2-Dichlorobenzene	50.000	43.472	13.1	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.183	11.6	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	42.908	14.2	104	0.00
94	T	Hexachlorobutadiene	50.000	42.581	14.8	107	0.00
95	T	Naphthalene	50.000	46.067	7.9	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	42.932	14.1	100	0.00

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

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: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG No.: P5291

Instrument ID: MSVOA_N Calibration Date/Time: 12/17/2024 12:10

Lab File ID: VN085218.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.589	0.663		12.56	20
1,1-Dichloroethene	0.531	0.562		5.84	20
2-Butanone	0.339	0.374		10.32	20
Carbon Tetrachloride	0.527	0.624		18.41	20
Chloroform	1.146	1.172		2.27	20
Benzene	1.445	1.594		10.39	20
1,2-Dichloroethane	0.494	0.554		12.15	20
Trichloroethene	0.336	0.372		10.71	20
Tetrachloroethene	0.337	0.376		11.57	20
Chlorobenzene	1.134	1.180	0.3	4.06	20
1,2-Dichloroethane-d4	0.712	0.698		-1.97	20
Dibromofluoromethane	0.337	0.372		10.39	20
Toluene-d8	1.208	1.254		3.81	20
4-Bromofluorobenzene	0.452	0.501		10.84	20

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

Sample Results: **VN085218.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	147251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	228600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	208199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	102853	49.036	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.080%			
35) Dibromofluoromethane	8.165	113	84971	55.119	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.240%			
50) Toluene-d8	10.565	98	286560	51.869	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.740%			
62) 4-Bromofluorobenzene	12.847	95	114443	55.392	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	113632	68.246	ug/l	99
3) Chloromethane	2.359	50	95956	49.688	ug/l	97
4) Vinyl Chloride	2.507	62	97566	56.218	ug/l	99
5) Bromomethane	2.936	94	60141	61.827	ug/l	96
6) Chloroethane	3.101	64	62172	53.149	ug/l	97
7) Trichlorofluoromethane	3.489	101	166121	56.269	ug/l	98
8) Diethyl Ether	3.953	74	51520	51.273	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	89378	53.379	ug/l	98
10) Methyl Iodide	4.583	142	97625	44.047	ug/l	99
11) Tert butyl alcohol	5.524	59	82271	293.521	ug/l	96
12) 1,1-Dichloroethene	4.336	96	82819	52.990	ug/l	98
13) Acrolein	4.177	56	45185	241.593	ug/l	94
14) Allyl chloride	5.018	41	113326	43.012	ug/l	92
15) Acrylonitrile	5.718	53	215735	271.863	ug/l	98
16) Acetone	4.424	43	177621	290.768	ug/l	99
17) Carbon Disulfide	4.706	76	246359	53.404	ug/l	96
18) Methyl Acetate	5.024	43	103822	53.249	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	271338	53.135	ug/l	98
20) Methylene Chloride	5.277	84	94577	50.737	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	87266	53.058	ug/l	95
22) Diisopropyl ether	6.671	45	260954	49.210	ug/l	98
23) Vinyl Acetate	6.600	43	1000652	273.527	ug/l	98
24) 1,1-Dichloroethane	6.565	63	159655	50.311	ug/l	95
25) 2-Butanone	7.483	43	275155	275.508	ug/l	98
26) 2,2-Dichloropropane	7.489	77	143802	48.530	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	98836	49.847	ug/l	99
28) Bromochloromethane	7.812	49	57418	47.933	ug/l	92
29) Tetrahydrofuran	7.836	42	186848	300.848	ug/l	99
30) Chloroform	7.965	83	172646	51.145	ug/l	100
31) Cyclohexane	8.253	56	133228	47.684	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	160804	52.716	ug/l	99
36) 1,1-Dichloropropene	8.371	75	116753	55.914	ug/l	99
37) Ethyl Acetate	7.559	43	116430	61.334	ug/l	99
38) Carbon Tetrachloride	8.359	117	142611	59.168	ug/l	96
39) Methylcyclohexane	9.600	83	123359	56.852	ug/l	98
40) Benzene	8.606	78	364334	55.167	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	57863	55.053 ug/l	94
42) 1,2-Dichloroethane	8.671	62	126687	56.072 ug/l	99
43) Isopropyl Acetate	8.688	43	190089	48.208 ug/l	99
44) Trichloroethene	9.353	130	85097	55.445 ug/l	97
45) 1,2-Dichloropropane	9.618	63	86504	53.180 ug/l	97
46) Dibromomethane	9.706	93	65599	58.038 ug/l	100
47) Bromodichloromethane	9.888	83	135417	56.528 ug/l	98
48) Methyl methacrylate	9.677	41	90899	61.949 ug/l	98
49) 1,4-Dioxane	9.694	88	35833	1408.207 ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	589427	327.274 ug/l	99
52) Toluene	10.630	92	230450	58.943 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	133692	55.666 ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	141975	55.722 ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	86257	59.231 ug/l	99
56) Ethyl methacrylate	10.871	69	137735	64.726 ug/l	99
57) 1,3-Dichloropropane	11.159	76	146141	57.019 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	291639	279.393 ug/l	99
59) 2-Hexanone	11.194	43	438365	325.440 ug/l	99
60) Dibromochloromethane	11.359	129	108128	60.754 ug/l	98
61) 1,2-Dibromoethane	11.471	107	88346	58.619 ug/l	97
64) Tetrachloroethene	11.106	164	78260	55.784 ug/l	95
65) Chlorobenzene	11.888	112	245587	52.012 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	92580	55.689 ug/l	97
67) Ethyl Benzene	11.965	91	436843	57.026 ug/l	97
68) m/p-Xylenes	12.071	106	340499	116.751 ug/l	99
69) o-Xylene	12.400	106	160396	57.816 ug/l	100
70) Styrene	12.412	104	278636	60.395 ug/l	100
71) Bromoform	12.576	173	75386	61.090 ug/l #	100
73) Isopropylbenzene	12.694	105	409043	52.439 ug/l	100
74) N-amyl acetate	12.494	43	168181	52.322 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	127112	47.721 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	106702m	53.054 ug/l	
77) Bromobenzene	12.976	156	102360	48.763 ug/l	99
78) n-propylbenzene	13.035	91	487374	54.170 ug/l	99
79) 2-Chlorotoluene	13.123	91	299109	49.802 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	364092	55.624 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	44892	49.275 ug/l	91
82) 4-Chlorotoluene	13.218	91	311249	49.782 ug/l	99
83) tert-Butylbenzene	13.435	119	299928	53.256 ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	363138	53.897 ug/l	100
85) sec-Butylbenzene	13.612	105	410406	53.945 ug/l	99
86) p-Isopropyltoluene	13.729	119	348376	55.471 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	193825	46.813 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	191362	45.290 ug/l	98
89) n-Butylbenzene	14.053	91	286171	48.998 ug/l	98
90) Hexachloroethane	14.335	117	69328	50.643 ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	182956	46.114 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26301	51.063 ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	91320	42.367 ug/l	98
94) Hexachlorobutadiene	15.500	225	44438	44.672 ug/l	98
95) Naphthalene	15.641	128	289411	47.143 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	92255	44.857 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

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

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

Sample Results: **VN085218.D**

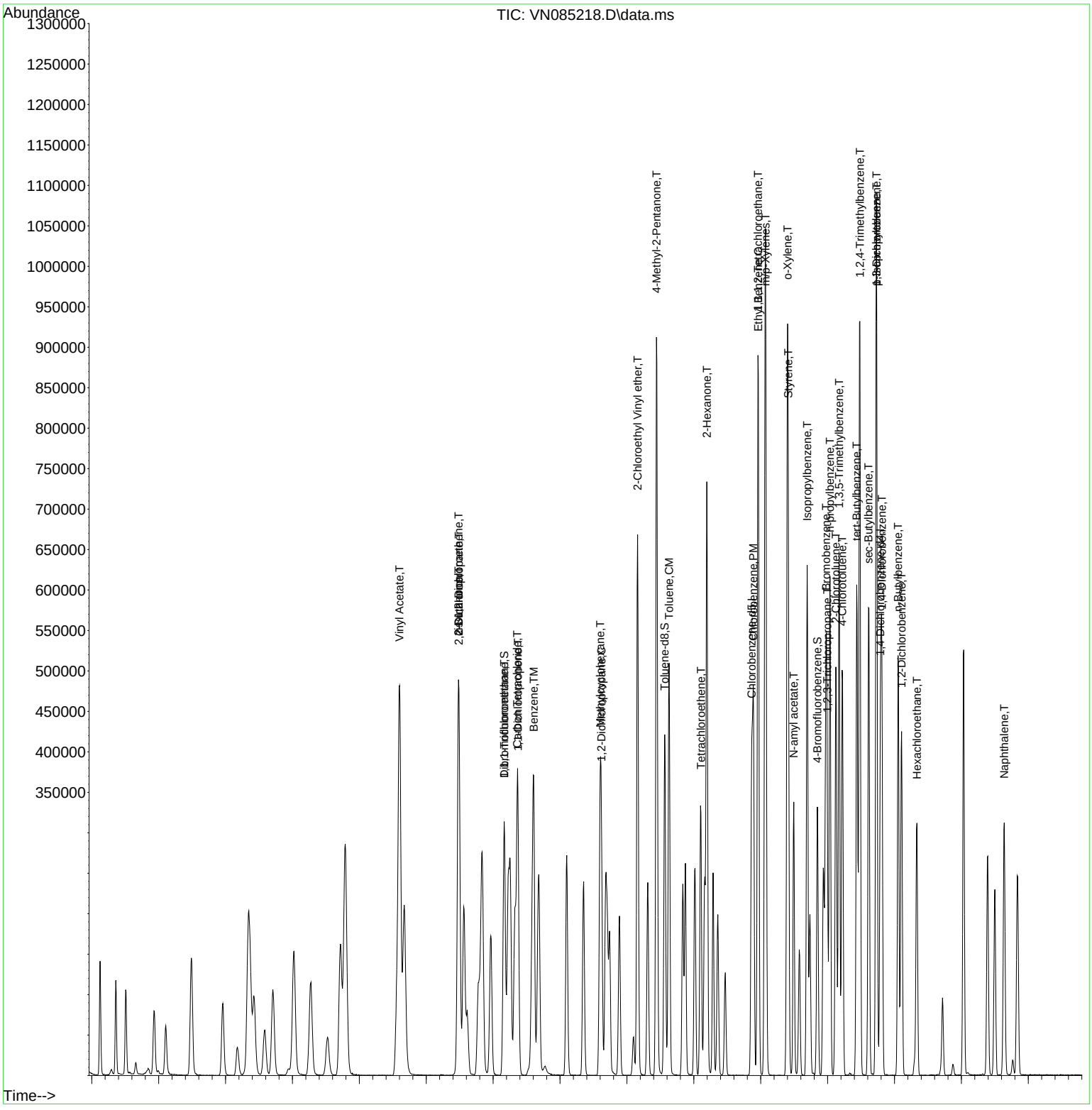
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



Sample Results: **VN085218.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	0.565	0.772	-36.6#	124	0.00
3	P	Chloromethane	0.656	0.652	0.6	99	0.00
4	C	Vinyl Chloride	0.589	0.663	-12.6#	104	0.00
5	T	Bromomethane	0.330	0.408	-23.6	118	0.04
6	T	Chloroethane	0.397	0.422	-6.3	101	0.04
7	T	Trichlorofluoromethane	1.002	1.128	-12.6	105	0.03
8	T	Diethyl Ether	0.341	0.350	-2.6	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.569	0.607	-6.7	99	0.01
10	T	Methyl Iodide	0.753	0.663	12.0	80	0.01
11	T	Tert butyl alcohol	0.095	0.112	-17.9	112	-0.02
12	CM	1,1-Dichloroethene	0.531	0.562	-5.8#	97	0.02
13	T	Acrolein	0.064	0.061	4.7	79	0.01
14	T	Allyl chloride	0.895	0.770	14.0	78	0.01
15	T	Acrylonitrile	0.269	0.293	-8.9	100	0.00
16	T	Acetone	0.207	0.241	-16.4	107	0.00
17	T	Carbon Disulfide	1.566	1.673	-6.8	102	0.01
18	T	Methyl Acetate	0.804	0.705	12.3	97	0.00
19	T	Methyl tert-butyl Ether	1.734	1.843	-6.3	94	0.00
20	T	Methylene Chloride	0.633	0.642	-1.4	98	0.01
21	T	trans-1,2-Dichloroethene	0.558	0.593	-6.3	96	0.01
22	T	Diisopropyl ether	1.801	1.772	1.6	90	0.00
23	T	Vinyl Acetate	1.242	1.359	-9.4	95	0.00
24	P	1,1-Dichloroethane	1.078	1.084	-0.6	93	0.01
25	T	2-Butanone	0.339	0.374	-10.3	102	0.00
26	T	2,2-Dichloropropane	1.006	0.977	2.9	89	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.671	0.3	92	0.00
28	T	Bromochloromethane	0.407	0.390	4.2	89	0.00
29	T	Tetrahydrofuran	0.211	0.254	-20.4	107	0.00
30	C	Chloroform	1.146	1.172	-2.3#	96	0.00
31	T	Cyclohexane	0.949	0.905	4.6	92	0.00
32	T	1,1,1-Trichloroethane	1.036	1.092	-5.4	97	0.00
33	S	1,2-Dichloroethane-d4	0.712	0.698	2.0	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35	S	Dibromofluoromethane	0.337	0.372	-10.4	92	0.00
36	T	1,1-Dichloropropene	0.457	0.511	-11.8	95	0.00
37	T	Ethyl Acetate	0.415	0.509	-22.7	107	0.00
38	T	Carbon Tetrachloride	0.527	0.624	-18.4	98	0.00
39	T	Methylcyclohexane	0.475	0.540	-13.7	90	0.00
40	TM	Benzene	1.444	1.594	-10.4	94	0.00
41	T	Methacrylonitrile	0.230	0.253	-10.0	93	0.00
42	TM	1,2-Dichloroethane	0.494	0.554	-12.1	97	0.00
43	T	Isopropyl Acetate	0.862	0.832	3.5	93	0.00
44	TM	Trichloroethene	0.336	0.372	-10.7	96	0.00
45	C	1,2-Dichloropropane	0.356	0.378	-6.2#	91	0.00
46	T	Dibromomethane	0.247	0.287	-16.2	99	0.00
47	T	Bromodichloromethane	0.524	0.592	-13.0	95	0.00
48	T	Methyl methacrylate	0.321	0.398	-24.0	102	0.00

Sample Results: **VN085218.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.008	-33.3#	114	0.00
50	S	Toluene-d8	1.208	1.254	-3.8	85	0.00
51	T	4-Methyl-2-Pentanone	0.394	0.516	-31.0#	107	0.00
52	CM	Toluene	0.855	1.008	-17.9#	96	0.00
53	T	t-1,3-Dichloropropene	0.525	0.585	-11.4	90	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.621	-11.5	91	0.00
55	T	1,1,2-Trichloroethane	0.319	0.377	-18.2	99	0.00
56	T	Ethyl methacrylate	0.465	0.603	-29.7#	98	0.00
57	T	1,3-Dichloropropane	0.561	0.639	-13.9	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.228	0.255	-11.8	79	0.00
59	T	2-Hexanone	0.295	0.384	-30.2#	103	0.00
60	T	Dibromochloromethane	0.389	0.473	-21.6	103	0.00
61	T	1,2-Dibromoethane	0.330	0.386	-17.0	99	0.00
62	S	4-Bromofluorobenzene	0.452	0.501	-10.8	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64	T	Tetrachloroethene	0.337	0.376	-11.6	103	0.00
65	PM	Chlorobenzene	1.134	1.180	-4.1	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.399	0.445	-11.5	100	0.00
67	C	Ethyl Benzene	1.840	2.098	-14.0#	97	0.00
68	T	m/p-Xylenes	0.700	0.818	-16.9	100	0.00
69	T	o-Xylene	0.666	0.770	-15.6	98	0.00
70	T	Styrene	1.108	1.338	-20.8	100	0.00
71	P	Bromoform	0.296	0.362	-22.3	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.527	3.699	-4.9	98	0.00
74	T	N-amyl acetate	1.454	1.521	-4.6	95	0.00
75	P	1,1,2,2-Tetrachloroethane	1.204	1.150	4.5	101	0.00
76	T	1,2,3-Trichloropropane	0.909	0.965	-6.2	103	0.00
77	T	Bromobenzene	0.949	0.926	2.4	97	0.00
78	T	n-propylbenzene	4.068	4.408	-8.4	101	0.00
79	T	2-Chlorotoluene	2.716	2.705	0.4	98	0.00
80	T	1,3,5-Trimethylbenzene	2.960	3.293	-11.3	101	0.00
81	T	trans-1,4-Dichloro-2-butene	0.412	0.406	1.5	96	0.00
82	T	4-Chlorotoluene	2.827	2.815	0.4	98	0.00
83	T	tert-Butylbenzene	2.547	2.713	-6.5	100	0.00
84	T	1,2,4-Trimethylbenzene	3.047	3.284	-7.8	98	0.00
85	T	sec-Butylbenzene	3.440	3.712	-7.9	98	0.00
86	T	p-Isopropyltoluene	2.840	3.151	-11.0	98	0.00
87	T	1,3-Dichlorobenzene	1.872	1.753	6.4	99	0.00
88	T	1,4-Dichlorobenzene	1.911	1.731	9.4	95	0.00
89	T	n-Butylbenzene	2.641	2.588	2.0	94	0.00
90	T	Hexachloroethane	0.619	0.627	-1.3	100	0.00
91	T	1,2-Dichlorobenzene	1.794	1.655	7.7	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.238	-2.1	105	0.00
93	T	1,2,4-Trichlorobenzene	0.975	0.826	15.3	88	0.00
94	T	Hexachlorobutadiene	0.450	0.402	10.7	96	0.00
95	T	Naphthalene	2.776	2.617	5.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.834	10.3	90	0.00

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

Sample Results: **VN085218.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	50.000	68.246	-36.5#	124	0.00
3	P	Chloromethane	50.000	49.688	0.6	99	0.00
4	C	Vinyl Chloride	50.000	56.218	-12.4#	104	0.00
5	T	Bromomethane	50.000	61.827	-23.7	118	0.04
6	T	Chloroethane	50.000	53.149	-6.3	101	0.04
7	T	Trichlorofluoromethane	50.000	56.269	-12.5	105	0.03
8	T	Diethyl Ether	50.000	51.273	-2.5	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.379	-6.8	99	0.01
10	T	Methyl Iodide	50.000	44.047	11.9	80	0.01
11	T	Tert butyl alcohol	250.000	293.521	-17.4	112	-0.02
12	CM	1,1-Dichloroethene	50.000	52.990	-6.0#	97	0.02
13	T	Acrolein	250.000	241.593	3.4	79	0.01
14	T	Allyl chloride	50.000	43.012	14.0	78	0.01
15	T	Acrylonitrile	250.000	271.863	-8.7	100	0.00
16	T	Acetone	250.000	290.768	-16.3	107	0.00
17	T	Carbon Disulfide	50.000	53.404	-6.8	102	0.01
18	T	Methyl Acetate	50.000	53.249	-6.5	97	0.00
19	T	Methyl tert-butyl Ether	50.000	53.135	-6.3	94	0.00
20	T	Methylene Chloride	50.000	50.737	-1.5	98	0.01
21	T	trans-1,2-Dichloroethene	50.000	53.058	-6.1	96	0.01
22	T	Diisopropyl ether	50.000	49.210	1.6	90	0.00
23	T	Vinyl Acetate	250.000	273.527	-9.4	95	0.00
24	P	1,1-Dichloroethane	50.000	50.311	-0.6	93	0.01
25	T	2-Butanone	250.000	275.508	-10.2	102	0.00
26	T	2,2-Dichloropropane	50.000	48.530	2.9	89	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.847	0.3	92	0.00
28	T	Bromochloromethane	50.000	47.933	4.1	89	0.00
29	T	Tetrahydrofuran	250.000	300.848	-20.3	107	0.00
30	C	Chloroform	50.000	51.145	-2.3#	96	0.00
31	T	Cyclohexane	50.000	47.684	4.6	92	0.00
32	T	1,1,1-Trichloroethane	50.000	52.716	-5.4	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.036	1.9	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35	S	Dibromofluoromethane	50.000	55.119	-10.2	92	0.00
36	T	1,1-Dichloropropene	50.000	55.914	-11.8	95	0.00
37	T	Ethyl Acetate	50.000	61.334	-22.7	107	0.00
38	T	Carbon Tetrachloride	50.000	59.168	-18.3	98	0.00
39	T	Methylcyclohexane	50.000	56.852	-13.7	90	0.00
40	TM	Benzene	50.000	55.167	-10.3	94	0.00
41	T	Methacrylonitrile	50.000	55.053	-10.1	93	0.00
42	TM	1,2-Dichloroethane	50.000	56.072	-12.1	97	0.00
43	T	Isopropyl Acetate	50.000	48.208	3.6	93	0.00
44	TM	Trichloroethene	50.000	55.445	-10.9	96	0.00
45	C	1,2-Dichloropropane	50.000	53.180	-6.4#	91	0.00
46	T	Dibromomethane	50.000	58.038	-16.1	99	0.00
47	T	Bromodichloromethane	50.000	56.528	-13.1	95	0.00
48	T	Methyl methacrylate	50.000	61.949	-23.9	102	0.00

Sample Results: **VN085218.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1408.207	-40.8#	114	0.00
50	S	Toluene-d8	50.000	51.869	-3.7	85	0.00
51	T	4-Methyl-2-Pentanone	250.000	327.274	-30.9#	107	0.00
52	CM	Toluene	50.000	58.943	-17.9#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	55.666	-11.3	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.722	-11.4	91	0.00
55	T	1,1,2-Trichloroethane	50.000	59.231	-18.5	99	0.00
56	T	Ethyl methacrylate	50.000	64.726	-29.5#	98	0.00
57	T	1,3-Dichloropropane	50.000	57.019	-14.0	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	279.393	-11.8	79	0.00
59	T	2-Hexanone	250.000	325.440	-30.2#	103	0.00
60	T	Dibromochloromethane	50.000	60.754	-21.5	103	0.00
61	T	1,2-Dibromoethane	50.000	58.619	-17.2	99	0.00
62	S	4-Bromofluorobenzene	50.000	55.392	-10.8	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64	T	Tetrachloroethene	50.000	55.784	-11.6	103	0.00
65	PM	Chlorobenzene	50.000	52.012	-4.0	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.689	-11.4	100	0.00
67	C	Ethyl Benzene	50.000	57.026	-14.1#	97	0.00
68	T	m/p-Xylenes	100.000	116.751	-16.8	100	0.00
69	T	o-Xylene	50.000	57.816	-15.6	98	0.00
70	T	Styrene	50.000	60.395	-20.8	100	0.00
71	P	Bromoform	50.000	61.090	-22.2	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	52.439	-4.9	98	0.00
74	T	N-amyl acetate	50.000	52.322	-4.6	95	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.721	4.6	101	0.00
76	T	1,2,3-Trichloropropane	50.000	53.054	-6.1	103	0.00
77	T	Bromobenzene	50.000	48.763	2.5	97	0.00
78	T	n-propylbenzene	50.000	54.170	-8.3	101	0.00
79	T	2-Chlorotoluene	50.000	49.802	0.4	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.624	-11.2	101	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.275	1.5	96	0.00
82	T	4-Chlorotoluene	50.000	49.782	0.4	98	0.00
83	T	tert-Butylbenzene	50.000	53.256	-6.5	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.897	-7.8	98	0.00
85	T	sec-Butylbenzene	50.000	53.945	-7.9	98	0.00
86	T	p-Isopropyltoluene	50.000	55.471	-10.9	98	0.00
87	T	1,3-Dichlorobenzene	50.000	46.813	6.4	99	0.00
88	T	1,4-Dichlorobenzene	50.000	45.290	9.4	95	0.00
89	T	n-Butylbenzene	50.000	48.998	2.0	94	0.00
90	T	Hexachloroethane	50.000	50.643	-1.3	100	0.00
91	T	1,2-Dichlorobenzene	50.000	46.114	7.8	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.063	-2.1	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	42.367	15.3	88	0.00
94	T	Hexachlorobutadiene	50.000	44.672	10.7	96	0.00
95	T	Naphthalene	50.000	47.143	5.7	89	0.00

Sample Results: **VN085218.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.857	10.3	90	0.00

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

QC SAMPLE DATA

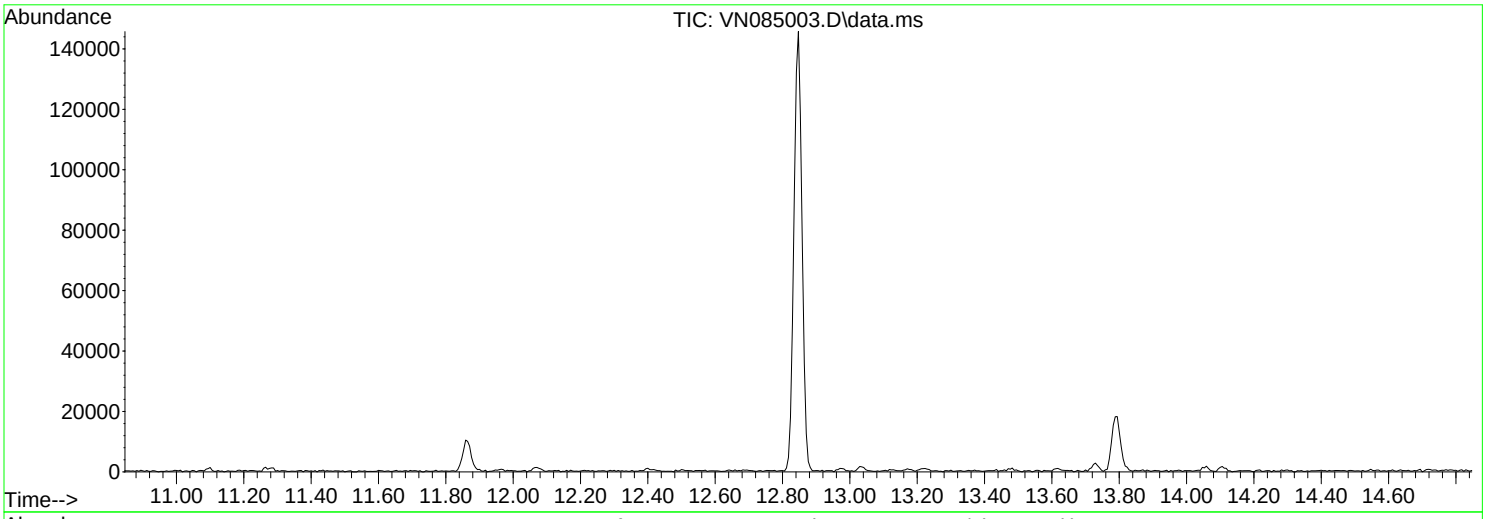
Sample Results: **VN085003.D**

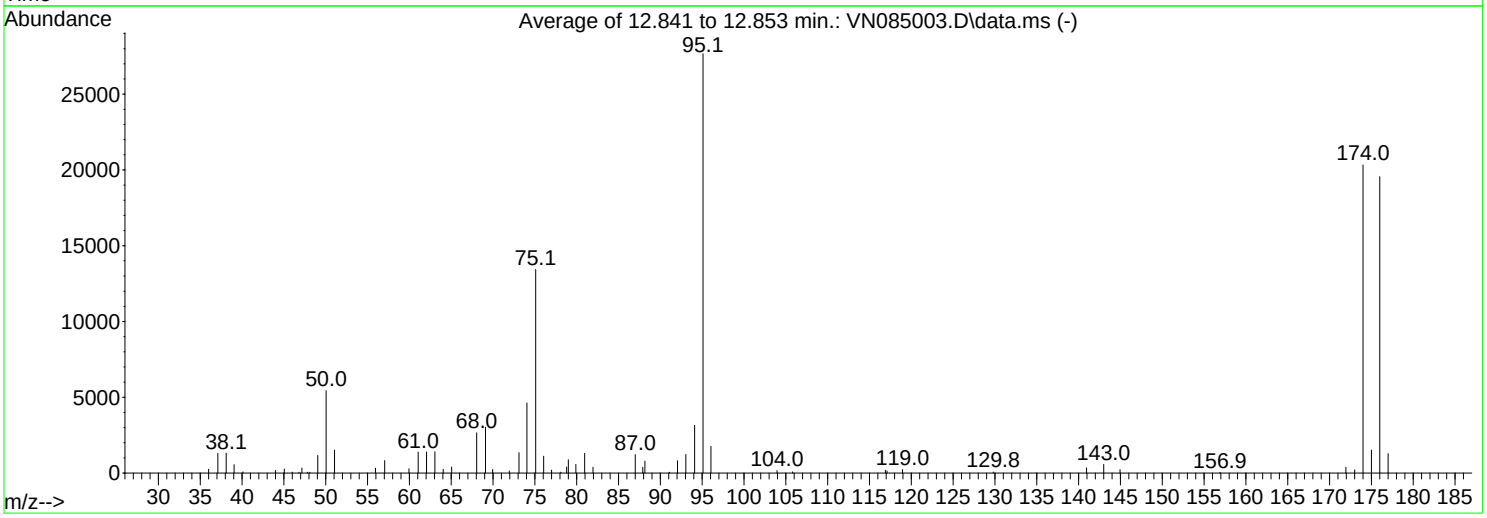
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085003.D
Acq On : 22 Nov 2024 09:29
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024





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	19.7	5439	PASS
75	95	30	60	48.5	13431	PASS
95	95	100	100	100.0	27667	PASS
96	95	5	9	6.4	1766	PASS
173	174	0.00	2	1.1	216	PASS
174	95	50	100	73.5	20325	PASS
175	174	5	9	7.5	1518	PASS
176	174	95	101	96.2	19555	PASS
177	176	5	9	6.6	1282	PASS

Average of 12.841 to 12.853 min.: VN085003.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	254	48.10	51	65.05	396	78.80	399
37.10	1298	49.05	1163	68.05	2657	79.00	882
38.10	1317	50.05	5439	69.10	3028	79.90	572
39.05	554	51.05	1513	69.95	237	80.95	1301
40.10	84	55.95	322	71.95	141	81.95	389
44.00	176	57.05	824	73.10	1348	87.00	1219
45.05	272	59.95	289	74.05	4631	87.90	383
46.00	62	61.05	1386	75.10	13431	88.15	786
46.80	61	62.05	1393	76.05	1113	91.10	54
47.15	333	63.05	1409	77.00	195	92.05	818
47.80	59	64.05	255	78.10	63	93.05	1225

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085003.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	3150	144.95	229				
95.10	27667	156.90	50				
96.05	1766	171.95	381				
103.95	166	173.00	216				
105.80	83	174.00	20325				
116.90	194	175.00	1518				
117.10	139	176.00	19555				
118.95	227	177.00	1282				
129.80	74						
140.95	348						
143.00	571						

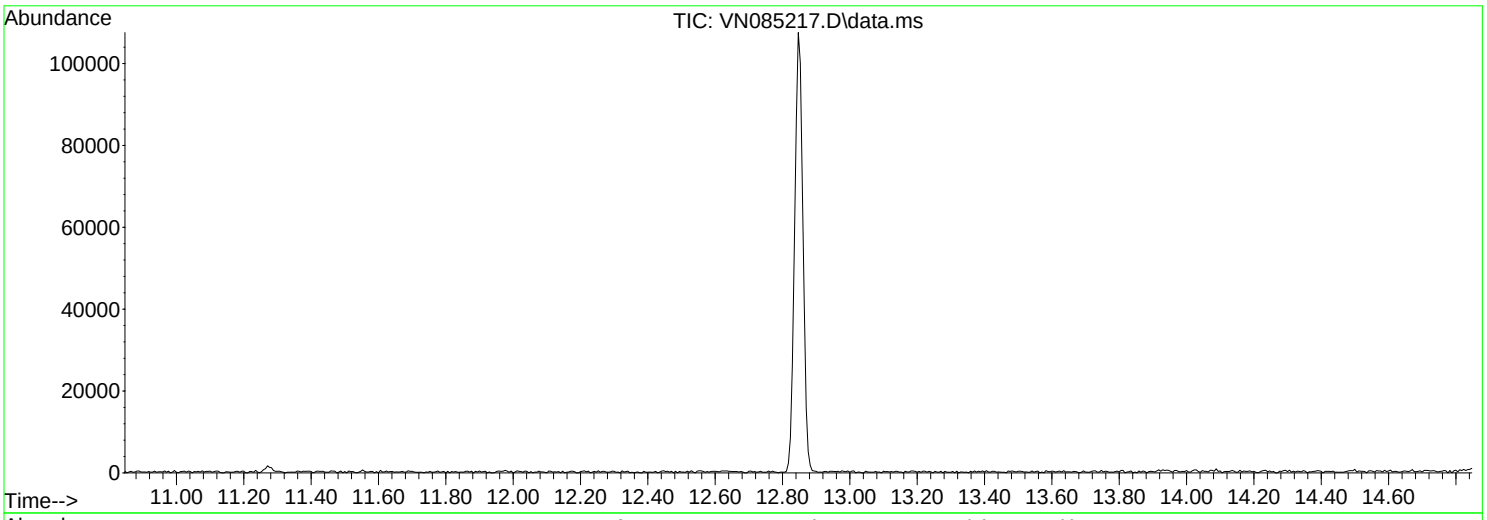
Sample Results: **VN085217.D**

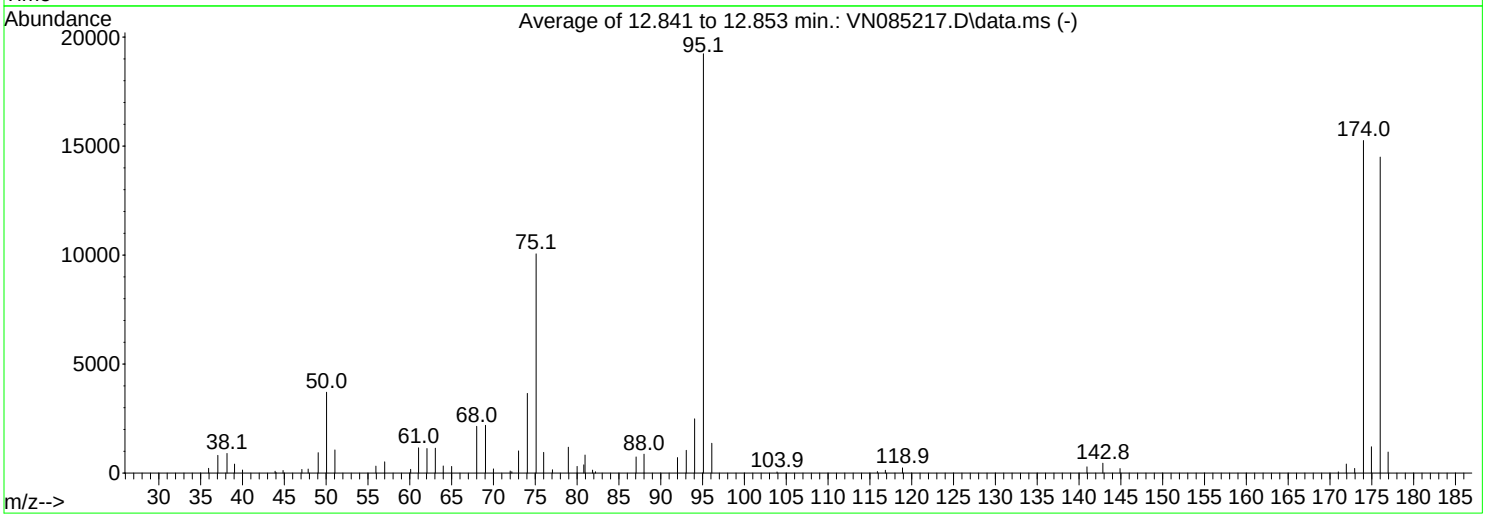
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085217.D
Acq On : 17 Dec 2024 11:36
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024





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	19.3	3708	PASS
75	95	30	60	52.3	10056	PASS
95	95	100	100	100.0	19237	PASS
96	95	5	9	7.1	1368	PASS
173	174	0.00	2	1.4	213	PASS
174	95	50	100	79.3	15256	PASS
175	174	5	9	7.9	1207	PASS
176	174	95	101	95.0	14496	PASS
177	176	5	9	6.7	964	PASS

Average of 12.841 to 12.853 min.: VN085217.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	219	50.05	3708	69.05	2191	80.80	377
37.05	813	51.05	1062	70.00	192	80.95	829
38.15	901	55.95	320	72.00	94	81.85	136
39.05	411	57.00	516	72.20	61	82.20	60
40.00	142	60.10	171	73.00	1018	87.05	741
43.90	87	61.05	1158	74.05	3656	88.00	868
44.00	30	62.05	1125	75.10	10056	92.00	711
44.85	118	63.05	1141	76.00	950	93.05	1044
47.10	167	64.00	325	77.05	152	94.05	2489
47.85	186	65.00	305	78.95	1188	95.10	19237
49.05	936	68.00	2144	80.00	307	96.10	1368

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085217.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.90	52	174.95	1207				
115.90	71	176.00	14496				
116.85	130	176.95	964				
118.90	238						
140.95	286						
142.85	453						
144.90	208						
171.00	55						
171.95	413						
172.95	213						
174.00	15256						

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	
Client Sample ID:	VN1217WBL01	SDG No.:	P5291
Lab Sample ID:	VN1217WBL01	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
VN085220.D	1		12/17/24 13:08	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.0		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		77 - 121	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	142000	8.224			
540-36-3	1,4-Difluorobenzene	246000	9.1			
3114-55-4	Chlorobenzene-d5	213000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	80400	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\VN121724\
Data File : VN085220.D
Acq On : 17 Dec 2024 13:08
Operator : JC\MD
Sample : VN1217WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Quant Time: Dec 18 00:23:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

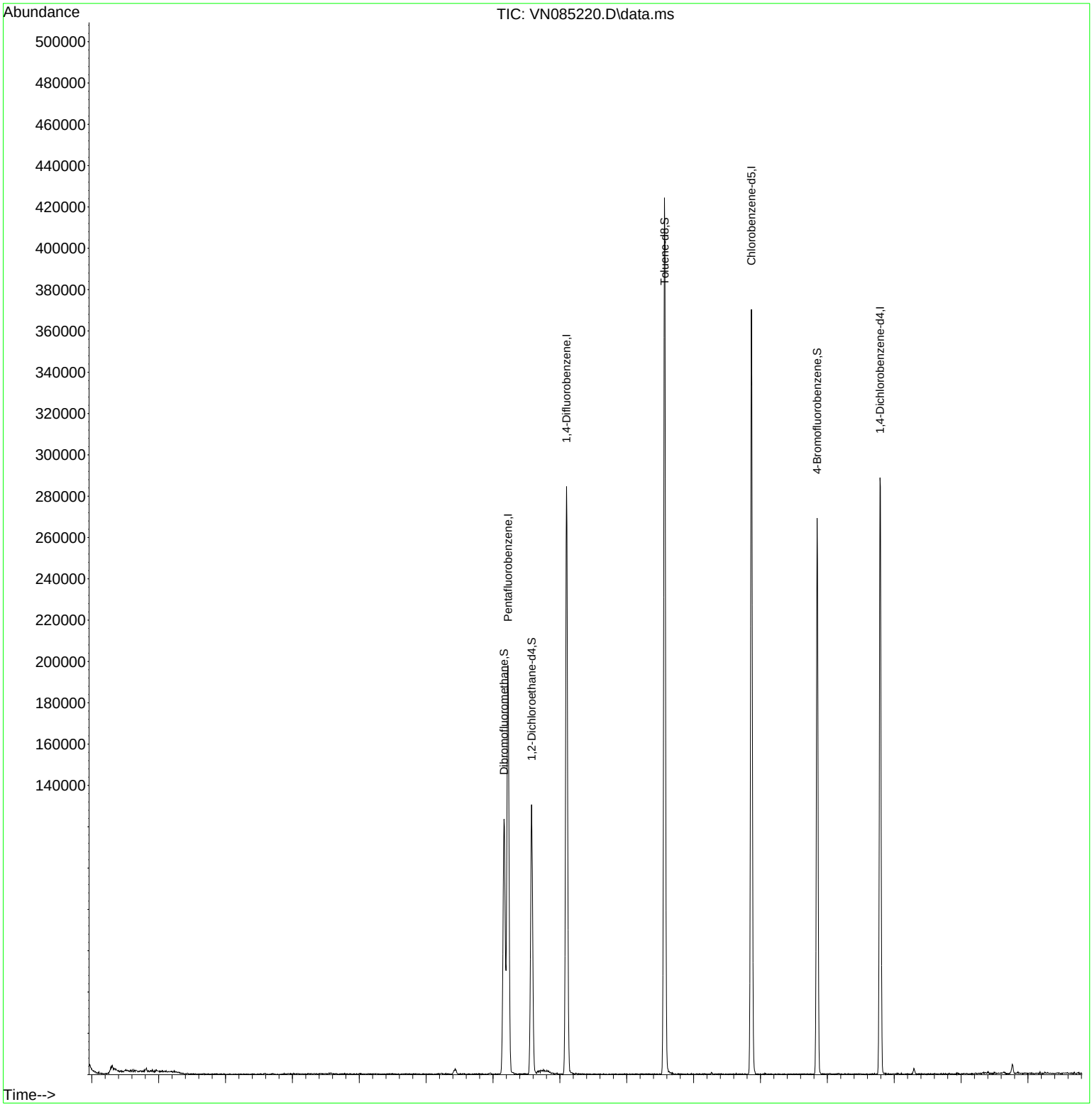
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	142158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	212586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	80399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105366	52.034	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.060%			
35) Dibromofluoromethane	8.165	113	86248	52.022	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.040%			
50) Toluene-d8	10.565	98	291375	49.040	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.847	95	92337	41.556	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.120%			
Target Compounds						Qvalue

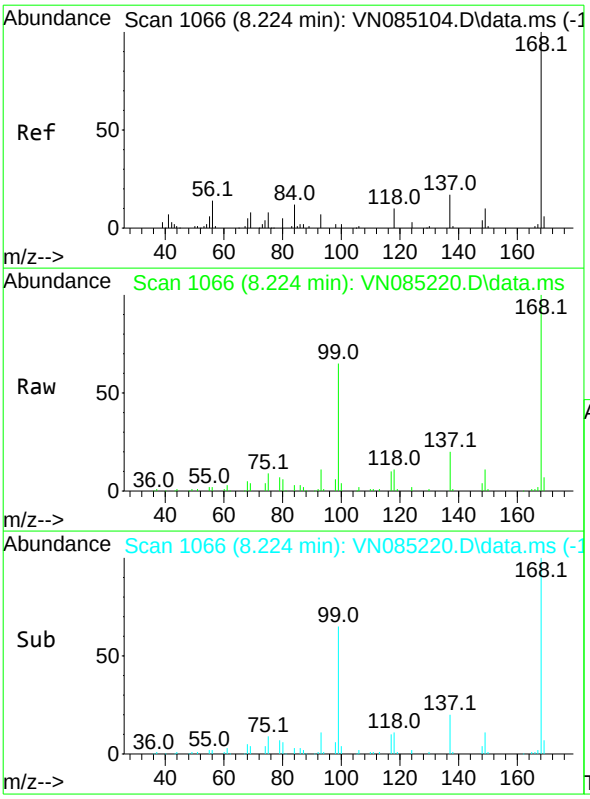
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085220.D
Acq On : 17 Dec 2024 13:08
Operator : JC\MD
Sample : VN1217WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Quant Time: Dec 18 00:23:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



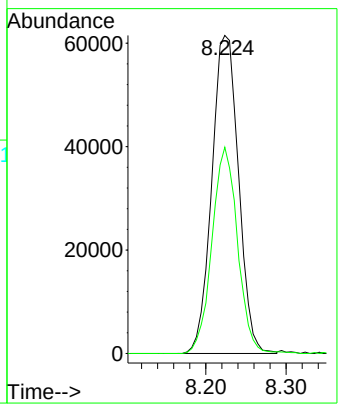


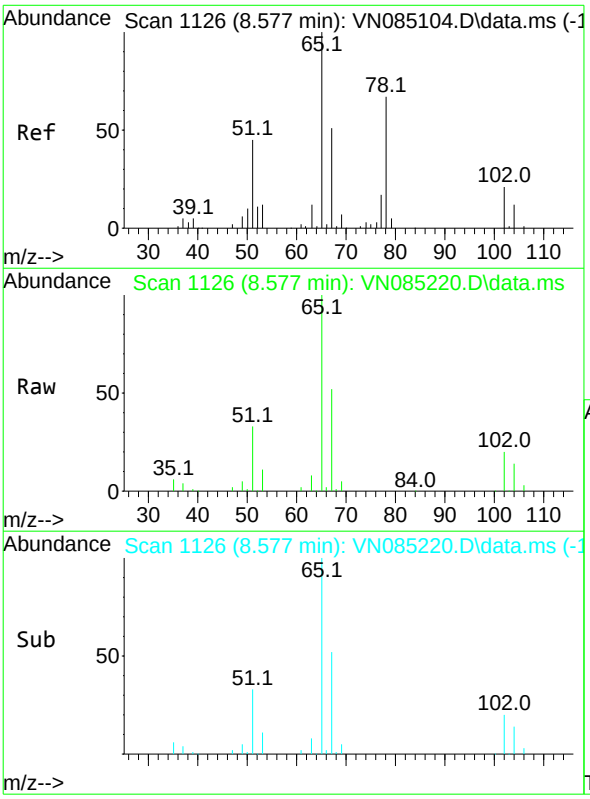
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Tgt Ion:168 Resp: 142158

Ion	Ratio	Lower	Upper
168	100		
99	64.8	51.2	76.8

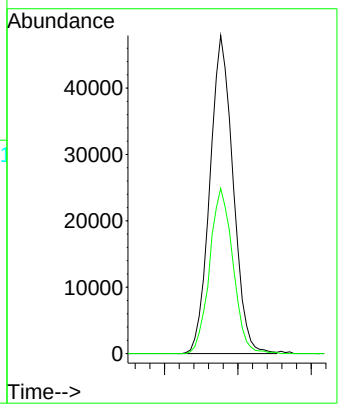


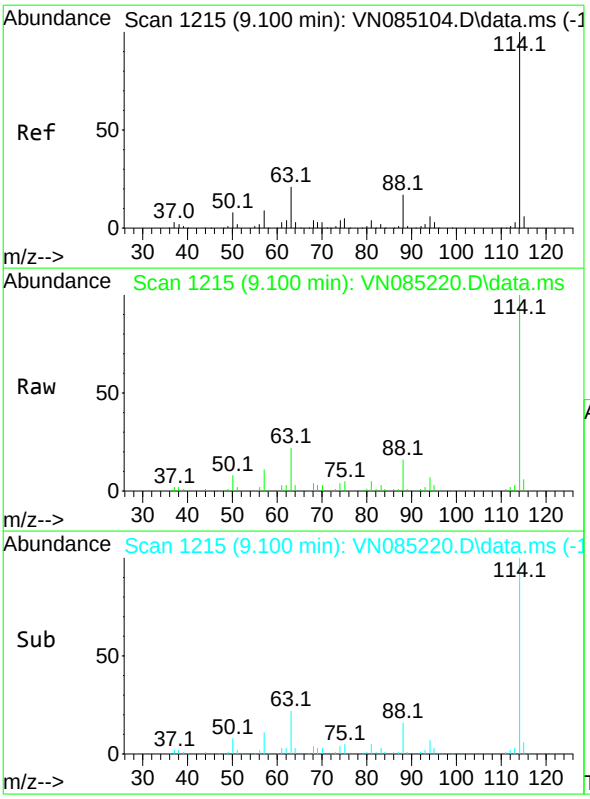


#33
1,2-Dichloroethane-d4
Concen: 52.034 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

Tgt Ion: 65 Resp: 105366

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.0



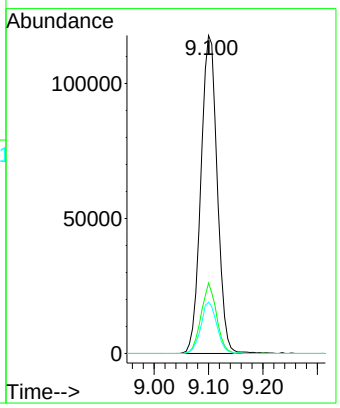


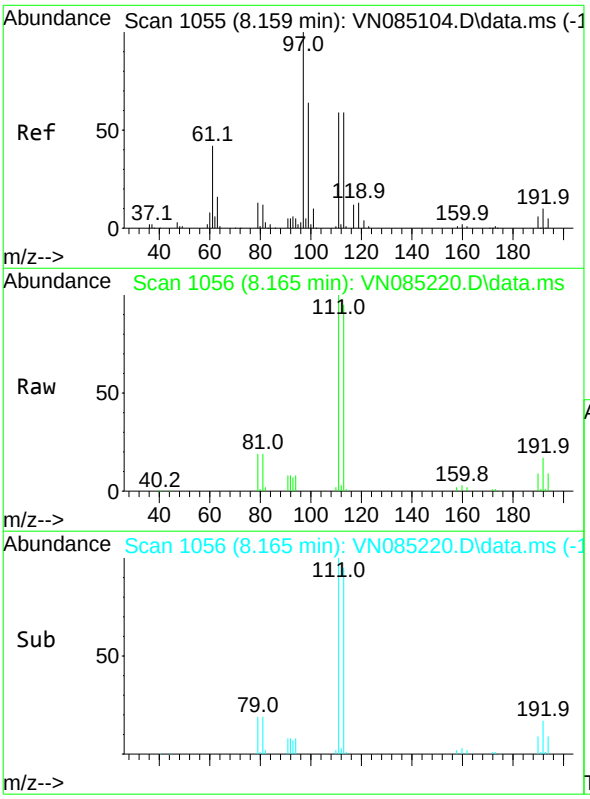
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Tgt Ion:114 Resp: 245850

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.0
88	16.1	0.0	34.8

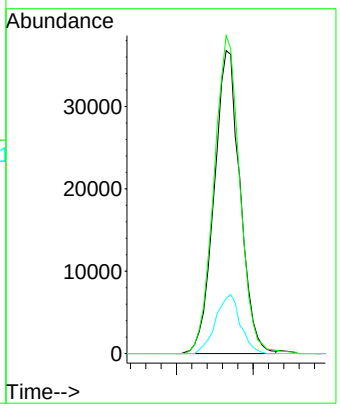


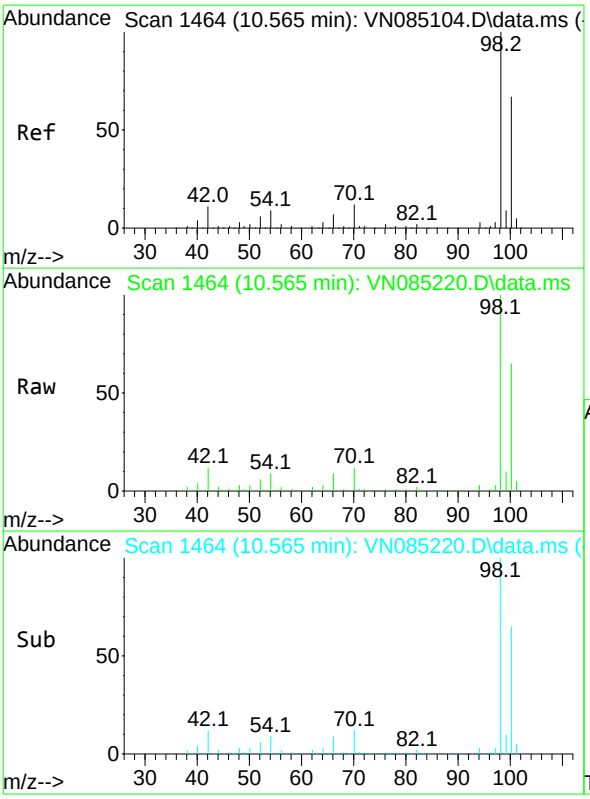


#35
Dibromofluoromethane
Concen: 52.022 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

Tgt Ion:113 Resp: 86248

Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.0	123.0
192	18.6	14.8	22.2



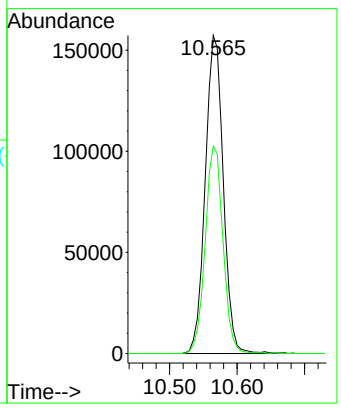


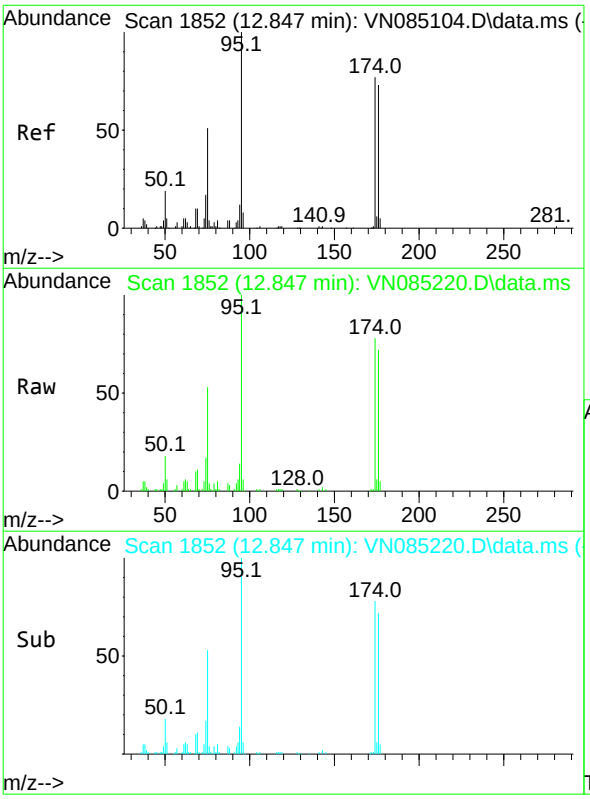
#50
Toluene-d8
Concen: 49.040 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Tgt Ion: 98 Resp: 291375

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.5	78.7

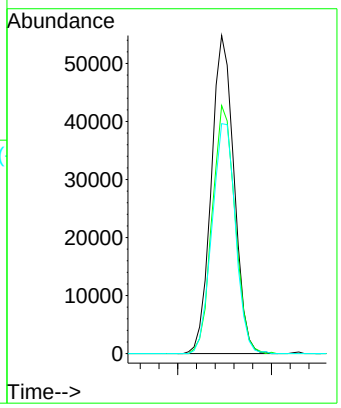


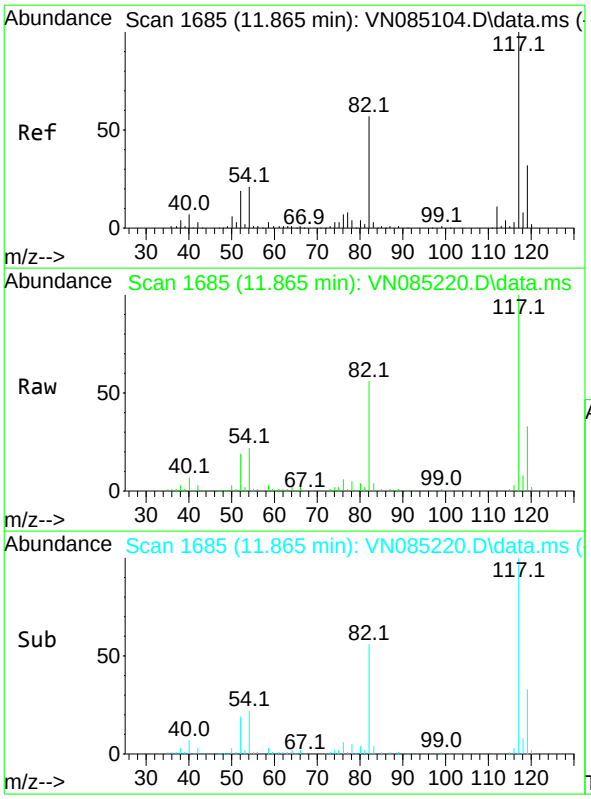


#62
4-Bromofluorobenzene
Concen: 41.556 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

Tgt Ion: 95 Resp: 92337

Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	146.6
176	74.4	0.0	141.8



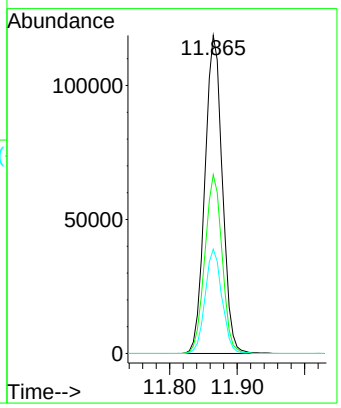


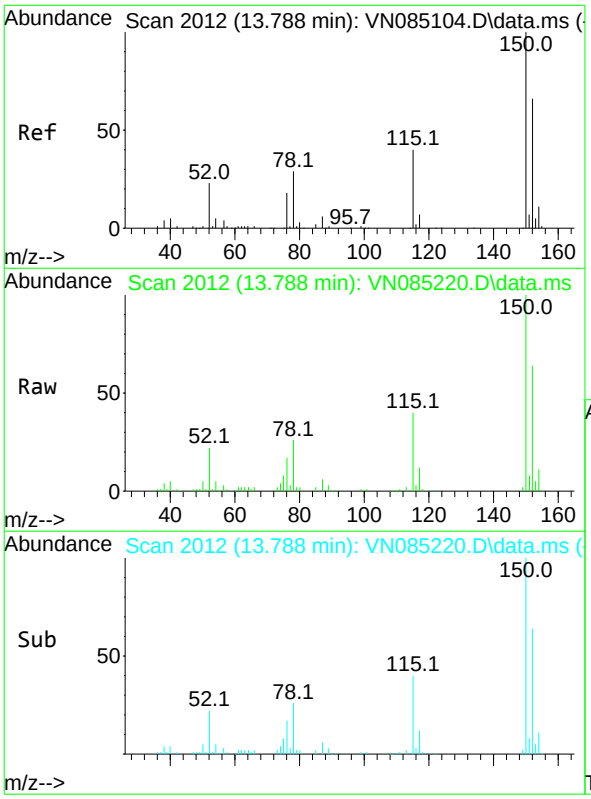
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Tgt Ion:117 Resp: 212586

Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.0	69.0
119	32.8	25.6	38.4

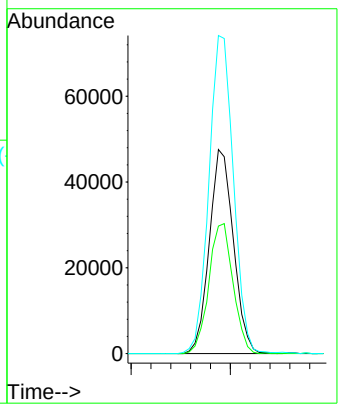




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

Tgt Ion:152 Resp: 80399

Ion	Ratio	Lower	Upper
152	100		
115	63.8	31.7	95.1
150	158.7	0.0	351.4



Raw Data: **VN085222.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	
Client Sample ID:	VN1217WBS02	SDG No.:	P5291
Lab Sample ID:	VN1217WBS02	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
VN085222.D	1		12/17/24 14:09	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	21.8		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.26	1.00	ug/L
78-93-3	2-Butanone	94.9		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.9		0.25	1.00	ug/L
67-66-3	Chloroform	18.9		0.26	1.00	ug/L
71-43-2	Benzene	20.4		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.6		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	20.8		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.1		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	8.224			
540-36-3	1,4-Difluorobenzene	251000	9.1			
3114-55-4	Chlorobenzene-d5	224000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	110000	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: **VN085222.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085222.D
Acq On : 17 Dec 2024 14:09
Operator : JC\MD
Sample : VN1217WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 18 00:24:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	156058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	250626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	224078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110767	49.829	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.660%			
35) Dibromofluoromethane	8.165	113	89648	53.042	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.080%			
50) Toluene-d8	10.565	98	309619	51.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.847	95	120210	53.070	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	48116	27.267	ug/l	98
3) Chloromethane	2.360	50	38568	18.844	ug/l	93
4) Vinyl Chloride	2.512	62	40043	21.771	ug/l	97
5) Bromomethane	2.954	94	25965	25.186	ug/l	97
6) Chloroethane	3.118	64	26501m	21.376	ug/l	
7) Trichlorofluoromethane	3.501	101	67169	21.468	ug/l	97
8) Diethyl Ether	3.959	74	20760	19.494	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	36542	20.592	ug/l	99
10) Methyl Iodide	4.589	142	40702	17.328	ug/l	99
11) Tert butyl alcohol	5.518	59	29087	97.918	ug/l #	94
12) 1,1-Dichloroethene	4.336	96	32133	19.399	ug/l	99
13) Acrolein	4.177	56	8093	40.829	ug/l	93
14) Allyl chloride	5.018	41	45622m	16.338	ug/l	
15) Acrylonitrile	5.718	53	80665	95.915	ug/l	99
16) Acetone	4.424	43	66747	103.099	ug/l	95
17) Carbon Disulfide	4.712	76	97251	19.892	ug/l	95
18) Methyl Acetate	5.030	43	40137	18.678	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	102482	18.936	ug/l	100
20) Methylene Chloride	5.271	84	36015	18.230	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	33867	19.429	ug/l	87
22) Diisopropyl ether	6.677	45	106746	18.994	ug/l	96
23) Vinyl Acetate	6.600	43	373460	96.324	ug/l	98
24) 1,1-Dichloroethane	6.565	63	64442	19.161	ug/l	99
25) 2-Butanone	7.483	43	100430	94.884	ug/l	95
26) 2,2-Dichloropropane	7.489	77	60419	19.239	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	39800	18.940	ug/l	99
28) Bromochloromethane	7.812	49	23373	18.411	ug/l	97
29) Tetrahydrofuran	7.836	42	66776	101.450	ug/l	96
30) Chloroform	7.965	83	67596	18.895	ug/l	98
31) Cyclohexane	8.253	56	55863	18.866	ug/l #	95
32) 1,1,1-Trichloroethane	8.165	97	62735	19.406	ug/l	98
36) 1,1-Dichloropropene	8.371	75	46766	20.428	ug/l	99
37) Ethyl Acetate	7.559	43	44445	21.355	ug/l	98
38) Carbon Tetrachloride	8.359	117	57916	21.917	ug/l	96
39) Methylcyclohexane	9.600	83	49682	20.885	ug/l	99
40) Benzene	8.606	78	147862	20.421	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085222.D
Acq On : 17 Dec 2024 14:09
Operator : JC\MD
Sample : VN1217WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 18 00:24:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	23095	20.042 ug/l	99
42) 1,2-Dichloroethane	8.665	62	50066	20.212 ug/l	100
43) Isopropyl Acetate	8.688	43	73069	16.902 ug/l	99
44) Trichloroethene	9.353	130	34613	20.570 ug/l	94
45) 1,2-Dichloropropane	9.618	63	35148	19.709 ug/l	98
46) Dibromomethane	9.706	93	24924	20.113 ug/l	95
47) Bromodichloromethane	9.883	83	55195	21.016 ug/l	95
48) Methyl methacrylate	9.677	41	33466	20.803 ug/l	97
49) 1,4-Dioxane	9.688	88	12477	447.243 ug/l #	85
51) 4-Methyl-2-Pentanone	10.441	43	218932	110.877 ug/l	100
52) Toluene	10.630	92	90377	21.085 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	52063	19.772 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	56019	20.054 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	33383	20.909 ug/l	97
56) Ethyl methacrylate	10.871	69	50424	21.613 ug/l	97
57) 1,3-Dichloropropane	11.159	76	55390	19.712 ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	110327	96.405 ug/l	100
59) 2-Hexanone	11.194	43	158122	107.072 ug/l	98
60) Dibromochloromethane	11.359	129	41054	21.040 ug/l	97
61) 1,2-Dibromoethane	11.471	107	34382	20.808 ug/l	99
64) Tetrachloroethene	11.100	164	31453	20.831 ug/l	97
65) Chlorobenzene	11.888	112	97189	19.125 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	36950	20.651 ug/l	99
67) Ethyl Benzene	11.965	91	163399	19.819 ug/l	99
68) m/p-Xylenes	12.071	106	131161	41.786 ug/l	97
69) o-Xylene	12.400	106	59296	19.859 ug/l	100
70) Styrene	12.412	104	100655	20.271 ug/l	99
71) Bromoform	12.576	173	28438	21.412 ug/l #	100
73) Isopropylbenzene	12.694	105	152613	19.668 ug/l	99
74) N-amyl acetate	12.494	43	61400	19.203 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	49087	18.526 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	40729m	20.358 ug/l	
77) Bromobenzene	12.976	156	39351	18.846 ug/l	98
78) n-propylbenzene	13.035	91	183823	20.540 ug/l	99
79) 2-Chlorotoluene	13.124	91	112872	18.893 ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	131851	20.250 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	16738	18.470 ug/l	99
82) 4-Chlorotoluene	13.218	91	116084	18.665 ug/l	98
83) tert-Butylbenzene	13.435	119	110429	19.712 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	133295	19.888 ug/l	100
85) sec-Butylbenzene	13.618	105	153515	20.285 ug/l	100
86) p-Isopropyltoluene	13.729	119	124924	19.997 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	70923	17.220 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	72522	17.255 ug/l	99
89) n-Butylbenzene	14.053	91	103842	17.874 ug/l	99
90) Hexachloroethane	14.329	117	25798	18.945 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	68778	17.427 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.718	75	9531	18.602 ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	33307	15.535 ug/l	99
94) Hexachlorobutadiene	15.500	225	18055	18.246 ug/l	98
95) Naphthalene	15.641	128	97144	15.908 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	33665	16.456 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085222.D
Acq On : 17 Dec 2024 14:09
Operator : JC\MD
Sample : VN1217WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 18 00:24:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

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

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

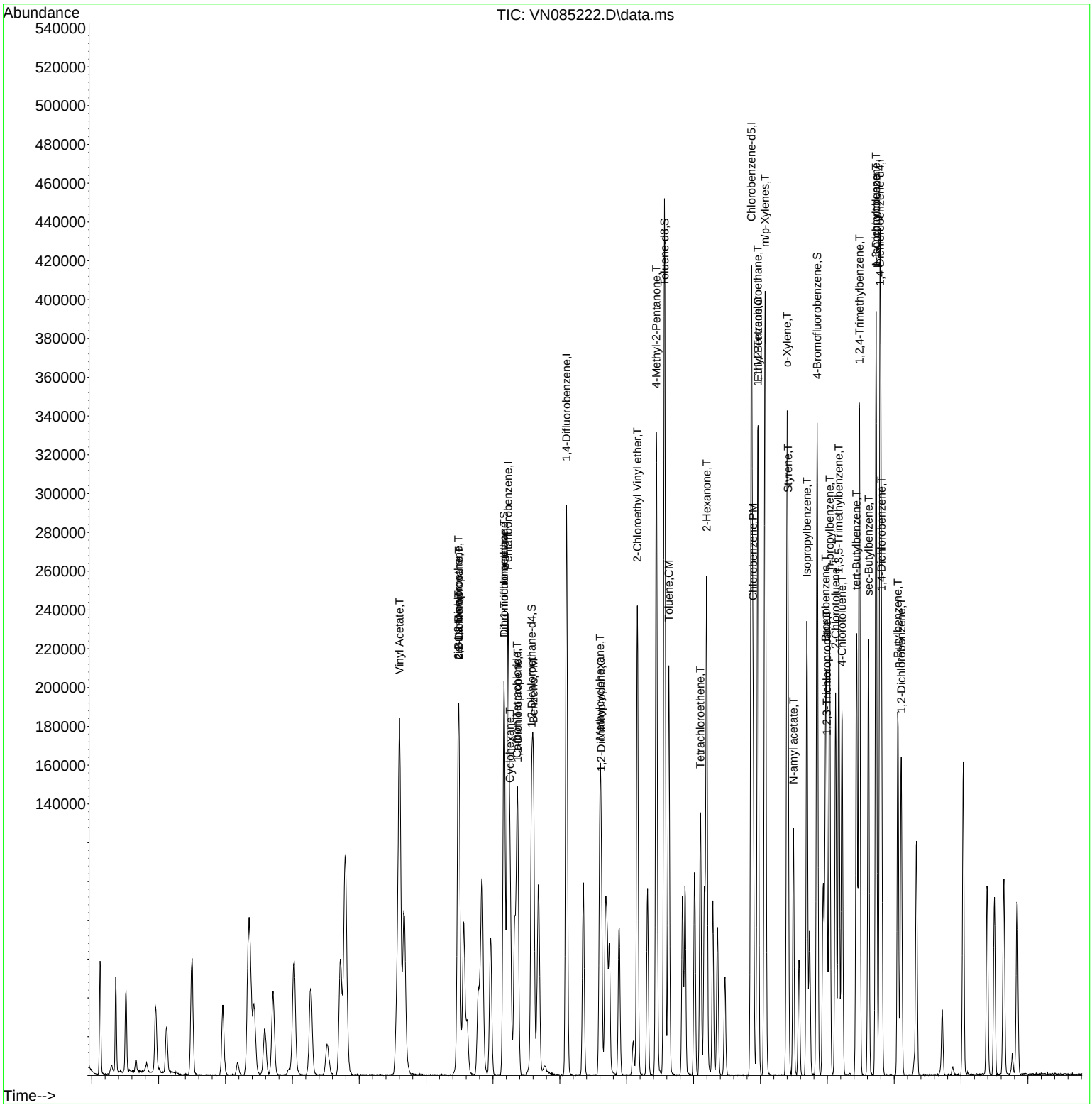
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085222.D
Acq On : 17 Dec 2024 14:09
Operator : JC\MD
Sample : VN1217WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 18 00:24:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW6-20241213MS	SDG No.:	P5291
Lab Sample ID:	P5291-08MS	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
VN085240.D	1		12/17/24 21:35	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	59.6		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	54.6		0.26	1.00	ug/L
78-93-3	2-Butanone	290		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	53.5		0.25	1.00	ug/L
67-66-3	Chloroform	52.0		0.26	1.00	ug/L
71-43-2	Benzene	390	E	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	50.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	52.3		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	47.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	48.9		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	48.9		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	8.224			
540-36-3	1,4-Difluorobenzene	256000	9.1			
3114-55-4	Chlorobenzene-d5	228000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	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: **VN085240.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085240.D
Acq On : 17 Dec 2024 21:35
Operator : JC\MD
Sample : P5291-08MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 00:43:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108474	50.735	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.480%			
35) Dibromofluoromethane	8.165	113	87166	50.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.060%			
50) Toluene-d8	10.565	98	302141	48.870	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.740%			
62) 4-Bromofluorobenzene	12.847	95	121900	52.723	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	117094	68.991	ug/l	99
3) Chloromethane	2.359	50	100083	50.842	ug/l	97
4) Vinyl Chloride	2.512	62	105416	59.589	ug/l	94
5) Bromomethane	2.942	94	50084	50.511	ug/l	93
6) Chloroethane	3.106	64	74067	62.117	ug/l	97
7) Trichlorofluoromethane	3.489	101	167920	55.800	ug/l	98
8) Diethyl Ether	3.959	74	55056	53.752	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	89270	52.303	ug/l	99
10) Methyl Iodide	4.583	142	103255	45.703	ug/l	94
11) Tert butyl alcohol	5.530	59	93131	325.964	ug/l #	95
12) 1,1-Dichloroethene	4.336	96	87061	54.648	ug/l	98
13) Acrolein	4.177	56	50336	264.030	ug/l #	16
14) Allyl chloride	5.018	41	122501	45.612	ug/l	93
15) Acrylonitrile	5.712	53	231883	286.669	ug/l	99
16) Acetone	4.424	43	198985	319.563	ug/l	96
17) Carbon Disulfide	4.712	76	252400	53.675	ug/l	97
18) Methyl Acetate	5.024	43	103695	52.151	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	346751	66.615	ug/l #	56
20) Methylene Chloride	5.277	84	96291	50.677	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	87289	52.066	ug/l	97
22) Diisopropyl ether	6.671	45	274275	50.741	ug/l	98
23) Vinyl Acetate	6.600	43	1010258	270.915	ug/l	97
24) 1,1-Dichloroethane	6.565	63	167575	51.805	ug/l	99
25) 2-Butanone	7.483	43	298607	293.319	ug/l	99
26) 2,2-Dichloropropane	7.488	77	124106	41.088	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	105018	51.961	ug/l	98
28) Bromochloromethane	7.812	49	57700	47.254	ug/l	93
29) Tetrahydrofuran	7.841	42	195249	308.412	ug/l	99
30) Chloroform	7.965	83	178900	51.992	ug/l	95
31) Cyclohexane	8.253	56	185416	65.104	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	162984	52.417	ug/l	100
36) 1,1-Dichloropropene	8.371	75	118884	50.877	ug/l	99
37) Ethyl Acetate	7.559	43	115660	54.446	ug/l	99
38) Carbon Tetrachloride	8.359	117	144300	53.499	ug/l	96
39) Methylcyclohexane	9.600	83	197490	81.333	ug/l	95
40) Benzene	8.606	78	2859016	386.845	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085240.D
Acq On : 17 Dec 2024 21:35
Operator : JC\MD
Sample : P5291-08MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 00:43:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	66959	56.929 ug/l	99
42) 1,2-Dichloroethane	8.671	62	128529	50.834 ug/l	99
43) Isopropyl Acetate	8.688	43	215740	48.892 ug/l	99
44) Trichloroethene	9.353	130	89784	52.275 ug/l	93
45) 1,2-Dichloropropane	9.618	63	88568	48.655 ug/l	98
46) Dibromomethane	9.706	93	65557	51.829 ug/l	99
47) Bromodichloromethane	9.888	83	140449	52.391 ug/l	98
48) Methyl methacrylate	9.677	41	100234	61.043 ug/l	95
49) 1,4-Dioxane	9.694	88	33526	1177.358 ug/l #	96
51) 4-Methyl-2-Pentanone	10.441	43	633962	314.549 ug/l	99
52) Toluene	10.629	92	568697	129.981 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	139438	51.881 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	144452	50.662 ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	99993	61.358 ug/l	89
56) Ethyl methacrylate	10.871	69	150225	63.084 ug/l	97
57) 1,3-Dichloropropane	11.165	76	147414	51.396 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.147	63	251	0.215 ug/l #	46
59) 2-Hexanone	11.194	43	473199	313.922 ug/l	98
60) Dibromochloromethane	11.359	129	107735	54.092 ug/l	98
61) 1,2-Dibromoethane	11.465	107	89855	53.277 ug/l	95
64) Tetrachloroethene	11.100	164	72703	47.405 ug/l	97
65) Chlorobenzene	11.888	112	252649	48.946 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	90474	49.782 ug/l	99
67) Ethyl Benzene	11.965	91	1621049	193.571 ug/l	100
68) m/p-Xylenes	12.071	106	1467807	460.372 ug/l	100
69) o-Xylene	12.394	106	516057	170.156 ug/l	99
70) Styrene	12.412	104	303548	60.185 ug/l #	80
71) Bromoform	12.576	173	75490	55.958 ug/l #	100
73) Isopropylbenzene	12.694	105	478465	60.887 ug/l	100
74) N-amyl acetate	12.494	43	174666	53.940 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	129254	48.168 ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	105158m	51.902 ug/l	
77) Bromobenzene	12.982	156	103006	48.710 ug/l	99
78) n-propylbenzene	13.035	91	578855	63.865 ug/l	99
79) 2-Chlorotoluene	13.123	91	340502	56.277 ug/l	95
80) 1,3,5-Trimethylbenzene	13.170	105	474014	71.885 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	41056	44.733 ug/l	98
82) 4-Chlorotoluene	13.218	91	306444	48.653 ug/l	99
83) tert-Butylbenzene	13.435	119	303230	53.446 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1115313	164.317 ug/l	99
85) sec-Butylbenzene	13.612	105	408420	53.289 ug/l	98
86) p-Isopropyltoluene	13.729	119	352200	55.668 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	184275	44.179 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	182686	42.919 ug/l	98
89) n-Butylbenzene	14.053	91	294199	50.002 ug/l	95
90) Hexachloroethane	14.329	117	75332	54.625 ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	176838	44.244 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27698	53.380 ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	91243	42.020 ug/l	97
94) Hexachlorobutadiene	15.500	225	36337	36.260 ug/l	99
95) Naphthalene	15.641	128	499219	80.722 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	88302	42.619 ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085240.D
Acq On : 17 Dec 2024 21:35
Operator : JC\MD
Sample : P5291-08MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 00:43:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

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

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

Sample Results: **VN085240.D**

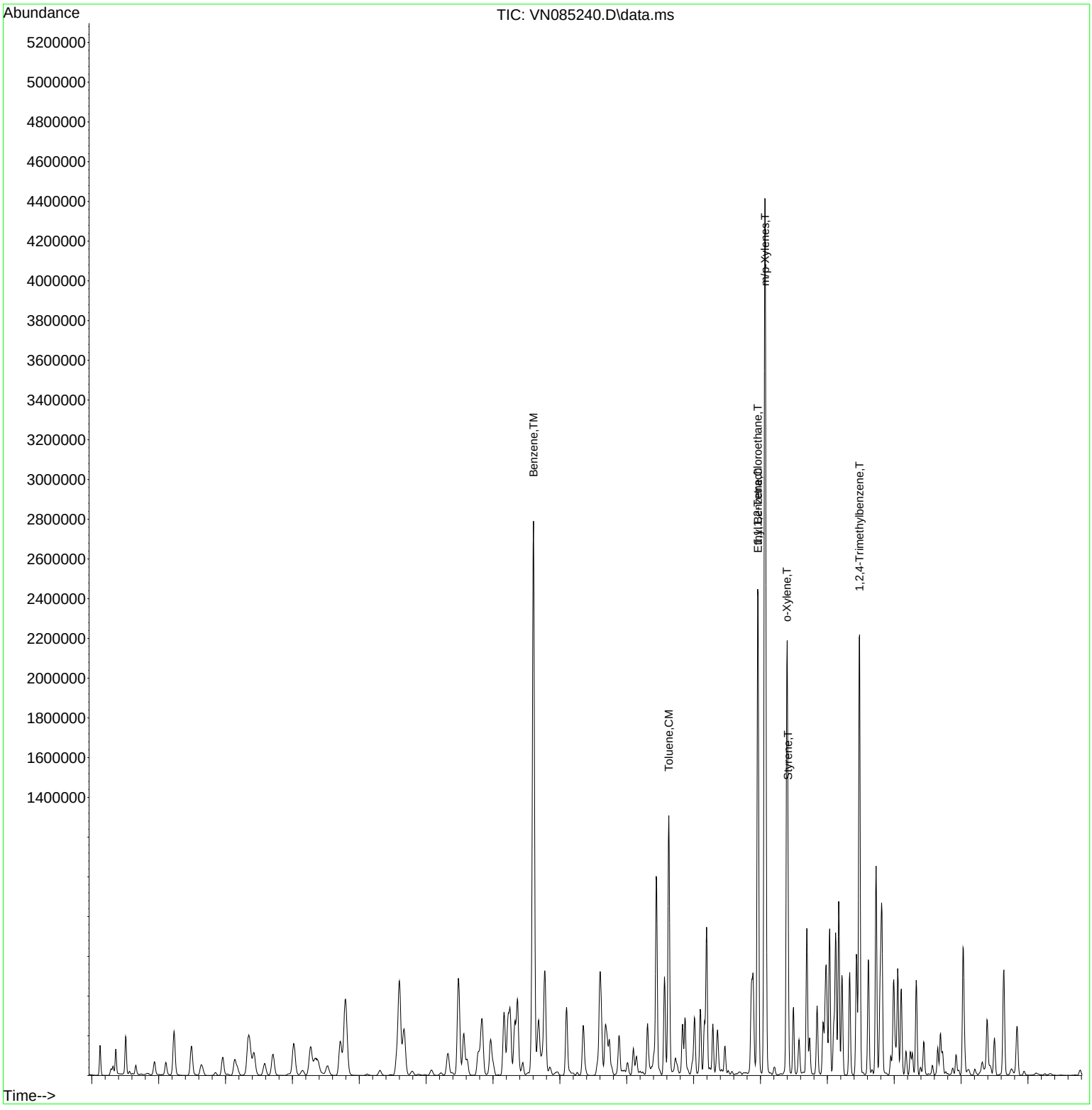
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085240.D
Acq On : 17 Dec 2024 21:35
Operator : JC\MD
Sample : P5291-08MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 00:43:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW6-20241213MSD	SDG No.:	P5291
Lab Sample ID:	P5291-09MSD	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
VN085241.D	1		12/17/24 21:59	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	61.1		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	55.2		0.26	1.00	ug/L
78-93-3	2-Butanone	310		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	57.0		0.25	1.00	ug/L
67-66-3	Chloroform	52.9		0.26	1.00	ug/L
71-43-2	Benzene	380	E	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	53.1		0.24	1.00	ug/L
79-01-6	Trichloroethene	54.7		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	50.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	50.8		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	48.2		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	8.224			
540-36-3	1,4-Difluorobenzene	255000	9.1			
3114-55-4	Chlorobenzene-d5	228000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	107000	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: **VN085241.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085241.D
Acq On : 17 Dec 2024 21:59
Operator : JC\MD
Sample : P5291-09MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 18 00:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	153484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106984	48.935	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.860%			
35) Dibromofluoromethane	8.165	113	84535	49.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.260%			
50) Toluene-d8	10.565	98	297397	48.224	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.440%			
62) 4-Bromofluorobenzene	12.847	95	115597	50.123	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	122369	70.509	ug/l	97
3) Chloromethane	2.359	50	97611	48.492	ug/l	96
4) Vinyl Chloride	2.506	62	110503	61.087	ug/l	97
5) Bromomethane	2.936	94	54597	53.848	ug/l	97
6) Chloroethane	3.106	64	65793	53.960	ug/l	97
7) Trichlorofluoromethane	3.489	101	176316	57.297	ug/l	97
8) Diethyl Ether	3.959	74	59526	56.835	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	94394	54.085	ug/l	98
10) Methyl Iodide	4.583	142	122556	53.050	ug/l	95
11) Tert butyl alcohol	5.530	59	101793	348.422	ug/l	96
12) 1,1-Dichloroethene	4.336	96	89998	55.245	ug/l	93
13) Acrolein	4.177	56	55309	283.715	ug/l #	16
14) Allyl chloride	5.018	41	128659	46.848	ug/l	91
15) Acrylonitrile	5.718	53	243822	294.779	ug/l	99
16) Acetone	4.430	43	207484	325.861	ug/l	97
17) Carbon Disulfide	4.712	76	269729	56.095	ug/l	98
18) Methyl Acetate	5.018	43	106850	52.562	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	360211	67.674	ug/l #	61
20) Methylene Chloride	5.271	84	100422	51.685	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	91927	53.623	ug/l	92
22) Diisopropyl ether	6.671	45	286903	51.907	ug/l	97
23) Vinyl Acetate	6.600	43	1042059	273.278	ug/l	99
24) 1,1-Dichloroethane	6.565	63	172452	52.137	ug/l	98
25) 2-Butanone	7.483	43	317779	305.265	ug/l	97
26) 2,2-Dichloropropane	7.489	77	128596	41.635	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	109618	53.040	ug/l	98
28) Bromochloromethane	7.812	49	60090	48.126	ug/l	95
29) Tetrahydrofuran	7.841	42	205691	317.738	ug/l	98
30) Chloroform	7.965	83	186028	52.871	ug/l	96
31) Cyclohexane	8.253	56	192814	66.208	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	170881	53.744	ug/l	99
36) 1,1-Dichloropropene	8.371	75	126785	54.395	ug/l	98
37) Ethyl Acetate	7.559	43	117497	55.450	ug/l	100
38) Carbon Tetrachloride	8.359	117	153419	57.023	ug/l	97
39) Methylcyclohexane	9.600	83	208206	85.963	ug/l	97
40) Benzene	8.606	78	2834507	384.499	ug/l	100

Sample Results: **VN085241.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085241.D
Acq On : 17 Dec 2024 21:59
Operator : JC\MD
Sample : P5291-09MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 18 00:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	71699	61.113 ug/l		99
42) 1,2-Dichloroethane	8.671	62	133843	53.070 ug/l		96
43) Isopropyl Acetate	8.688	43	227670	51.726 ug/l		98
44) Trichloroethene	9.353	130	93636	54.656 ug/l		93
45) 1,2-Dichloropropane	9.618	63	92138	50.745 ug/l		93
46) Dibromomethane	9.712	93	66634	52.814 ug/l		97
47) Bromodichloromethane	9.888	83	146601	54.824 ug/l		99
48) Methyl methacrylate	9.677	41	103934	63.457 ug/l		98
49) 1,4-Dioxane	9.694	88	37301	1313.239 ug/l		100
51) 4-Methyl-2-Pentanone	10.447	43	669053	332.799 ug/l		100
52) Toluene	10.629	92	571883	131.040 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	145075	54.115 ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	151075	53.119 ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	104024	63.993 ug/l		93
56) Ethyl methacrylate	10.871	69	159757	67.256 ug/l		98
57) 1,3-Dichloropropane	11.165	76	156077	54.554 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	323	0.277 ug/l	#	46
59) 2-Hexanone	11.194	43	492890	327.812 ug/l		99
60) Dibromochloromethane	11.359	129	111202	55.974 ug/l		99
61) 1,2-Dibromoethane	11.471	107	95957	57.038 ug/l		99
64) Tetrachloroethene	11.106	164	77321	50.305 ug/l		98
65) Chlorobenzene	11.888	112	262840	50.808 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	94875	52.089 ug/l		99
67) Ethyl Benzene	11.965	91	1616318	192.582 ug/l		99
68) m/p-Xylenes	12.065	106	1443477	451.746 ug/l		98
69) o-Xylene	12.394	106	517349	170.207 ug/l		98
70) Styrene	12.412	104	310655	61.459 ug/l	#	81
71) Bromoform	12.576	173	79116	58.517 ug/l	#	99
73) Isopropylbenzene	12.694	105	493844	65.393 ug/l		99
74) N-amyl acetate	12.494	43	184702	59.352 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	133088	51.608 ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	110123m	56.556 ug/l		
77) Bromobenzene	12.976	156	105740	52.030 ug/l		98
78) n-propylbenzene	13.035	91	592403	68.010 ug/l		100
79) 2-Chlorotoluene	13.123	91	356328	61.281 ug/l		94
80) 1,3,5-Trimethylbenzene	13.170	105	484396	76.439 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	42571	48.265 ug/l		96
82) 4-Chlorotoluene	13.223	91	323099	53.377 ug/l		100
83) tert-Butylbenzene	13.435	119	315144	57.798 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	1125111	172.482 ug/l		100
85) sec-Butylbenzene	13.612	105	426780	57.943 ug/l		99
86) p-Isopropyltoluene	13.729	119	365146	60.054 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	191047	47.660 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	190705	46.619 ug/l		98
89) n-Butylbenzene	14.053	91	308991	54.646 ug/l		94
90) Hexachloroethane	14.329	117	76685	57.861 ug/l		90
91) 1,2-Dichlorobenzene	14.106	146	182042	47.393 ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29729	59.617 ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	98988	47.436 ug/l		97
94) Hexachlorobutadiene	15.500	225	39793	41.319 ug/l		99
95) Naphthalene	15.635	128	518533	87.245 ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	95744	48.085 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085241.D
Acq On : 17 Dec 2024 21:59
Operator : JC\MD
Sample : P5291-09MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

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

Sample Results: **VN085241.D**

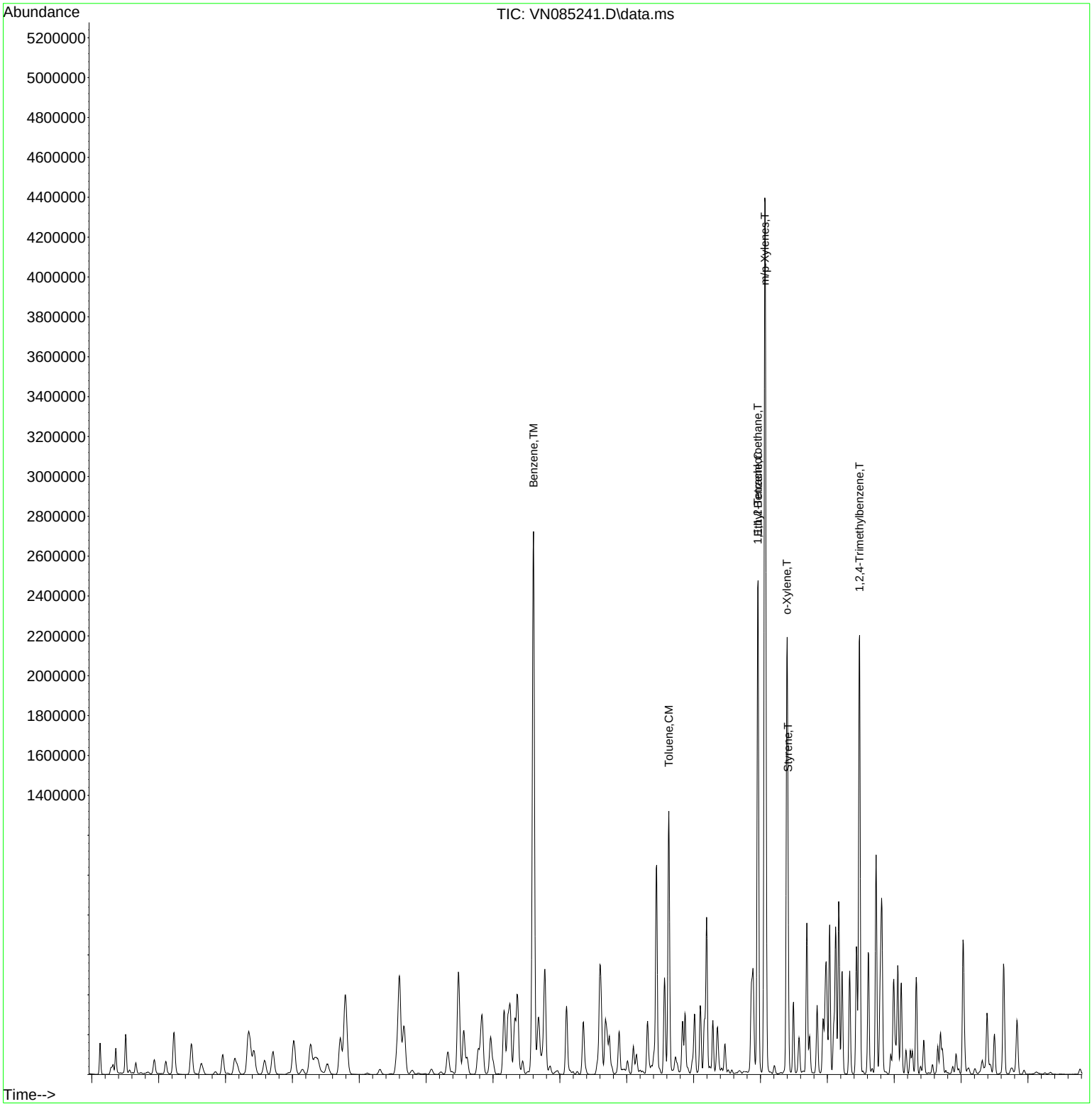
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085241.D
Acq On : 17 Dec 2024 21:59
Operator : JC\MD
Sample : P5291-09MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 18 00:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



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

Manual Integration Report

Sequence:	VN112224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085005.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:15 AM	MMDadoda	11/25/2024 2:03:01 PM	Peak Integrated by Software
VSTDICCC050	VN085006.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:19 AM	MMDadoda	11/25/2024 2:03:02 PM	Peak Integrated by Software
VSTDICC020	VN085007.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:24 AM	MMDadoda	11/25/2024 2:03:03 PM	Peak Integrated by Software
VSTDICC010	VN085008.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:29 AM	MMDadoda	11/25/2024 2:03:05 PM	Peak Integrated by Software
VSTDICC005	VN085009.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:32 AM	MMDadoda	11/25/2024 2:03:06 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,1,2-Trichlorotrifluoroethane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,4-Dichlorobenzene	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Chloroethane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Isopropyl Acetate	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methyl Acetate	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methyl tert-butyl Ether	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methylene Chloride	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN112224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN085012.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:43 AM	MMDadoda	11/25/2024 2:03:10 PM	Peak Integrated by Software
VSTDCCC050	VN085020.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:41:20 AM	MMDadoda	11/25/2024 2:03:24 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN121724	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085218.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:34:23 AM	SAM	12/18/2024 8:45:59 AM	Peak Integrated by Software
VN1217WBS02	VN085222.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:34:18 AM	SAM	12/18/2024 8:46:22 AM	Peak Integrated by Software
VN1217WBS02	VN085222.D	Allyl chloride	MMDadoda	12/18/2024 8:34:18 AM	SAM	12/18/2024 8:46:22 AM	Peak Integrated by Software
VN1217WBS02	VN085222.D	Chloroethane	MMDadoda	12/18/2024 8:34:18 AM	SAM	12/18/2024 8:46:22 AM	Peak Integrated by Software
P5291-13	VN085237.D	Methyl tert-butyl Ether	MMDadoda	12/18/2024 8:34:05 AM	SAM	12/18/2024 8:46:40 AM	Peak Integrated by Software
P5291-08MS	VN085240.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:33:59 AM	SAM	12/18/2024 8:46:47 AM	Peak Integrated by Software
P5291-09MSD	VN085241.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:33:57 AM	SAM	12/18/2024 8:46:53 AM	Peak Integrated by Software
VSTDCCC050	VN085242.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:33:55 AM	SAM	12/18/2024 8:46:57 AM	Peak Integrated by Software
VSTDCCC050	VN085242.D	Allyl chloride	MMDadoda	12/18/2024 8:33:55 AM	SAM	12/18/2024 8:46:57 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM		
SubDirectory	VN112224	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085003.D	22 Nov 2024 09:29	JC\MD	Ok
2	VSTDCCC050	VN085004.D	22 Nov 2024 10:40	JC\MD	Not Ok
3	VSTDICC100	VN085005.D	22 Nov 2024 11:22	JC\MD	Ok,M
4	VSTDICCC050	VN085006.D	22 Nov 2024 11:46	JC\MD	Ok,M
5	VSTDICC020	VN085007.D	22 Nov 2024 12:10	JC\MD	Ok,M
6	VSTDICC010	VN085008.D	22 Nov 2024 12:34	JC\MD	Ok,M
7	VSTDICC005	VN085009.D	22 Nov 2024 12:57	JC\MD	Ok,M
8	VSTDICC001	VN085010.D	22 Nov 2024 13:45	JC\MD	Ok,M
9	IBLK	VN085011.D	22 Nov 2024 14:09	JC\MD	Ok
10	VSTDICV050	VN085012.D	22 Nov 2024 16:07	JC\MD	Ok,M
11	VN1122WBL01	VN085013.D	22 Nov 2024 17:05	JC\MD	Ok
12	VN1122WBS01	VN085014.D	22 Nov 2024 18:05	JC\MD	Ok,M
13	VN1122WBSD01	VN085015.D	22 Nov 2024 18:29	JC\MD	Ok,M
14	P4845-21	VN085016.D	22 Nov 2024 19:17	JC\MD	Dilution
15	P4845-22	VN085017.D	22 Nov 2024 19:41	JC\MD	ReRun
16	P4845-23	VN085018.D	22 Nov 2024 20:05	JC\MD	Ok,M
17	P4845-24	VN085019.D	22 Nov 2024 20:29	JC\MD	Ok,M
18	VSTDCCC050	VN085020.D	22 Nov 2024 20:52	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN121724

Review By	Mahesh Dadoda	Review On	12/18/2024 8:34:37 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:47:06 AM		
SubDirectory	VN121724	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132175
Initial Calibration Stds	
CCC	VP132176,VP132177
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085217.D	17 Dec 2024 11:36	JC\MD	Ok
2	VSTDCCC050	VN085218.D	17 Dec 2024 12:10	JC\MD	Ok,M
3	VN1217MBL01	VN085219.D	17 Dec 2024 12:44	JC\MD	Ok
4	VN1217WBL01	VN085220.D	17 Dec 2024 13:08	JC\MD	Ok
5	VN1217WBS01	VN085221.D	17 Dec 2024 13:32	JC\MD	Not Ok
6	VN1217WBS02	VN085222.D	17 Dec 2024 14:09	JC\MD	Ok,M
7	VN1217WBSD02	VN085223.D	17 Dec 2024 14:44	JC\MD	Ok,M
8	P5270-07DL	VN085224.D	17 Dec 2024 15:08	JC\MD	Ok,M
9	P5270-08	VN085225.D	17 Dec 2024 15:32	JC\MD	Ok,M
10	IBLK	VN085226.D	17 Dec 2024 15:56	JC\MD	Ok
11	P5313-01	VN085227.D	17 Dec 2024 16:21	JC\MD	Ok
12	P5291-12	VN085228.D	17 Dec 2024 16:45	JC\MD	Ok
13	P5291-11	VN085229.D	17 Dec 2024 17:09	JC\MD	ReRun
14	P5291-02	VN085230.D	17 Dec 2024 17:33	JC\MD	Ok
15	P5291-03	VN085231.D	17 Dec 2024 17:57	JC\MD	Ok
16	P5291-04	VN085232.D	17 Dec 2024 18:21	JC\MD	Ok
17	P5291-05	VN085233.D	17 Dec 2024 18:46	JC\MD	Dilution
18	P5291-06	VN085234.D	17 Dec 2024 19:10	JC\MD	Dilution
19	P5291-10	VN085235.D	17 Dec 2024 19:34	JC\MD	Dilution
20	PB165668TB	VN085236.D	17 Dec 2024 19:58	JC\MD	Dilution
21	P5291-13	VN085237.D	17 Dec 2024 20:22	JC\MD	Ok,M

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN121724

Review By	Mahesh Dadoda	Review On	12/18/2024 8:34:37 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:47:06 AM		
SubDirectory	VN121724	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132175
Initial Calibration Stds	
CCC	VP132176,VP132177
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5291-01	VN085238.D	17 Dec 2024 20:47	JC\MD	Ok
23	P5291-07	VN085239.D	17 Dec 2024 21:11	JC\MD	Dilution
24	P5291-08MS	VN085240.D	17 Dec 2024 21:35	JC\MD	Ok,M
25	P5291-09MSD	VN085241.D	17 Dec 2024 21:59	JC\MD	Ok,M
26	VSTDCCC050	VN085242.D	17 Dec 2024 22:24	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 # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM		
SubDirectory	VN112224	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085003.D	22 Nov 2024 09:29		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085004.D	22 Nov 2024 10:40	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085005.D	22 Nov 2024 11:22		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085006.D	22 Nov 2024 11:46		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085007.D	22 Nov 2024 12:10	Comp. #18 is on Linear Regression	JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085008.D	22 Nov 2024 12:34		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN085009.D	22 Nov 2024 12:57		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN085010.D	22 Nov 2024 13:45		JC\MD	Ok,M
9	IBLK	IBLK	VN085011.D	22 Nov 2024 14:09		JC\MD	Ok
10	VSTDICV050	ICVVN112224	VN085012.D	22 Nov 2024 16:07		JC\MD	Ok,M
11	VN1122WBL01	VN1122WBL01	VN085013.D	22 Nov 2024 17:05		JC\MD	Ok
12	VN1122WBS01	VN1122WBS01	VN085014.D	22 Nov 2024 18:05		JC\MD	Ok,M
13	VN1122WBSD01	VN1122WBSD01	VN085015.D	22 Nov 2024 18:29		JC\MD	Ok,M
14	P4845-21	FSND-MW-13-2024111	VN085016.D	22 Nov 2024 19:17	vial A pH<2 Need 5X	JC\MD	Dilution
15	P4845-22	FSND-MW-11R-202411	VN085017.D	22 Nov 2024 19:41	vial A pH<2 E flage in previous sample	JC\MD	ReRun
16	P4845-23	FSND-MW-18-2024111	VN085018.D	22 Nov 2024 20:05	vial A pH<2	JC\MD	Ok,M
17	P4845-24	FSND-MW-20-2024111	VN085019.D	22 Nov 2024 20:29	vial A pH<2	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM		
SubDirectory	VN112224	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VSTDCCC050	VSTDCCC050EC	VN085020.D	22 Nov 2024 20:52		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN121724

Review By	Mahesh Dadoda	Review On	12/18/2024 8:34:37 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:47:06 AM		
SubDirectory	VN121724	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132175
Initial Calibration Stds	
CCC	VP132176,VP132177
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	VN085217.D	17 Dec 2024 11:36		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085218.D	17 Dec 2024 12:10	V13516	JC\MD	Ok,M
3	VN1217MBL01	VN1217MBL01	VN085219.D	17 Dec 2024 12:44		JC\MD	Ok
4	VN1217WBL01	VN1217WBL01	VN085220.D	17 Dec 2024 13:08		JC\MD	Ok
5	VN1217WBS01	VN1217WBS01	VN085221.D	17 Dec 2024 13:32	Recovery failed	JC\MD	Not Ok
6	VN1217WBS02	VN1217WBS02	VN085222.D	17 Dec 2024 14:09		JC\MD	Ok,M
7	VN1217WBSD02	VN1217WBSD02	VN085223.D	17 Dec 2024 14:44		JC\MD	Ok,M
8	P5270-07DL	MW12-20241212DL	VN085224.D	17 Dec 2024 15:08	vial B pH<2	JC\MD	Ok,M
9	P5270-08	MW14-20241212	VN085225.D	17 Dec 2024 15:32	vial B pH<2 Need 5X; BS failed high for comp. #39,67,69,73,84	JC\MD	Ok,M
10	IBLK	IBLK	VN085226.D	17 Dec 2024 15:56		JC\MD	Ok
11	P5313-01	FMI109	VN085227.D	17 Dec 2024 16:21	vial A pH<2	JC\MD	Ok
12	P5291-12	TB-20241216	VN085228.D	17 Dec 2024 16:45	vial A pH<2 TB	JC\MD	Ok
13	P5291-11	EQUIP-BLANK-202412	VN085229.D	17 Dec 2024 17:09	vial A pH<2 EB;Hit of comp.#16	JC\MD	ReRun
14	P5291-02	MW10D-20241213	VN085230.D	17 Dec 2024 17:33	vial A pH<2	JC\MD	Ok
15	P5291-03	MW4-20241213	VN085231.D	17 Dec 2024 17:57	vial A pH<2	JC\MD	Ok
16	P5291-04	MW5-20241213	VN085232.D	17 Dec 2024 18:21	vial A pH<2	JC\MD	Ok
17	P5291-05	MW2-20241213	VN085233.D	17 Dec 2024 18:46	vial A pH<2 Need 5X	JC\MD	Dilution

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN121724

Review By	Mahesh Dadoda	Review On	12/18/2024 8:34:37 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:47:06 AM		
SubDirectory	VN121724	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132175
Initial Calibration Stds	
CCC	VP132176,VP132177
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P5291-06	MW3-20241213	VN085234.D	17 Dec 2024 19:10	vial A pH<2 Need 20X	JC\MD	Dilution
19	P5291-10	MW6-20241213-A	VN085235.D	17 Dec 2024 19:34	vial A pH<2 Need 10X	JC\MD	Dilution
20	PB165668TB	PB165668TB	VN085236.D	17 Dec 2024 19:58		JC\MD	Dilution
21	P5291-13	WC-20241213	VN085237.D	17 Dec 2024 20:22	vial A pH<2	JC\MD	Ok,M
22	P5291-01	MW1A-20241213	VN085238.D	17 Dec 2024 20:47	vial A pH<2	JC\MD	Ok
23	P5291-07	MW6-20241213	VN085239.D	17 Dec 2024 21:11	vial A pH<2 Need 10X	JC\MD	Dilution
24	P5291-08MS	MW6-20241213MS	VN085240.D	17 Dec 2024 21:35	vial A pH<2	JC\MD	Ok,M
25	P5291-09MSD	MW6-20241213MSD	VN085241.D	17 Dec 2024 21:59	vial A pH<2	JC\MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VN085242.D	17 Dec 2024 22:24		JC\MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165668

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : N/A

Balance ID : N/A

pH Meter ID : WC PH METER-1

Extraction By : N/A

Filter By : N/A

Pippete ID : N/A

Tumbler ID : N/A

TCLP Filter ID : N/A

Start Prep Date : N/A **Time :** N/A

End Prep Date : N/A **Time :** N/A

Combination Ratio : N/A

ZHE Cleaning Batch : N/A

Initial Room Temperature: N/A

Final Room Temperature: N/A

TCLP Technician Signature : 18

Supervisor By : 12

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

Chemical Used	ML/SAMPLE U	Lot Number
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
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

We receive water sample in 40 ml vial tr to VOC LAB without fiftration and tumbling.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/6/24 1310	18 ICP Room	MD VOC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165668

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
P5291-13	WC-20241213	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PB165668TB	LEB668	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TCLP Solid Determination

PB165668

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P5291-13	WC-20241213	N/A	N/A	N/A	N/A	<0.5	N/A
PB165668TB	LEB668	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe p5291 **WorkList ID :** 186372 **Department :** TCLP Extraction **Date :** 12-16-2024 11:59:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5291-13	WC-20241213	Water	TCLP ZHE Extraction	Cool 4 deg C	PARS02	L51	12/13/2024	1311 ZHE

Date/Time 12-16-24 12:10

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 12-16-24 14:00

Raw Sample Received by:

Raw Sample Relinquished by:

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. PS291
COC Number 2046245

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfield Rd.
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore
PHONE: 315-418-8767 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed Atlantic Ave
PROJECT NO.: 453957 LOCATION: Brooklyn, NY
PROJECT MANAGER: Stephen Liberatore
e-mail: stephen.liberatore@parsons.com
PHONE: 315-418-8767 FAX:

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#:
ADDRESS: 301 Plainfield Rd.
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen L. PHONE: 315-418-8767

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOC+TICs
2
3: SVOC+TICs
4: Sulfate
5: TDS
6
7
8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	2 (E)	3 (E)	4 (E)	5	6	7	8	9	COMMENTS
1.	MW1A-20241213	GW		X	12-13-24	0835	4	X		X	X						
2.	MW10D-20241213	GW		X	12-13-24	0950	4	X		X	X						
3.	MW4-20241213	GW		X	12-13-24	1104	4	X		X	X						
4.	MW5-20241213	GW		X	12-13-24	1212	4	X		X	X						
5.	MW2-20241213	GW		X	12-13-24	1322	5	X	X	X	X						
6.	MW3-20241213	GW		X	12-13-24	1422	5	X	X	X	X						
7.	MW6-20241213	GW		X	12-13-24	1518	15	X	X	X	X						
8.	MW6-20241213A	GW		X	12-13-24	1518	5	X	X	X	X						
9.	Equip Blank-20241213	W		X	12-13-24	1730	5	X	X	X	X						
10.	Trip Blank	W		X	12-6-24		2	X									

PRESERVATIVES — COMMENTS: ← 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. Bill Chaky	12-13-24/2000	1.
RELINQUISHED BY SAMPLER:	DATE/TIME: 7:30	RECEIVED BY:
2.	12-16-24	2.
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments: IR Gun #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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ALLIANCE PROJECT NO.
QUOTE NO. PS291
COC Number 2046244

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfield Rd.
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore
PHONE: 315-418-8767 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed Atlantic Ave
PROJECT NO.: 453957 LOCATION: Brooklyn, NY
PROJECT MANAGER: Stephen Liberatore
e-mail: stephen.liberatore@parsons.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#:
ADDRESS: 301 Plainfield Rd.
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen L. PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: TCLP BNA
2: PCB
3: Flash Point
4: pH
5: React CN/Sulfide
6: TCLP VOC
7: TCLP Metals/Hg
8:
9:

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
								E	E	E	E	E	A	E			← Specify Preservatives
1.	WC-20241213	GW	X		12-13-24	1700	8	X	X	X	X	X	X	X			A-HCl D-NaOH
2.																	B-HN03 E-ICE
3.																	C-H2SO4 F-OTHER
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Bill Chaky	12-13-24/2000	1.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1130	RECEIVED BY:
2.	12-16-24	2.
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.2 °C
Comments: IR-Gun #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5291 PARS02
Client Name : PARSONS Main of New Yc
Client Contact : Stephen Liberatore
Invoice Name : PARSONS Main of New Yc
Invoice Contact : Stephen Liberatore

Order Date : 12/16/2024 10:45:00 AM
Project Name : Con Edison Non-MGP - Atl
Receive DateTime : 12/16/2024 7:30:00 AM
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5291-01	MW1A-20241213	Water	12/13/2024	08:35					5 days
					VOCMS Group1		8260-Low		~~10 Bus~~. Days
P5291-02	MW10D-20241213	Water	12/13/2024	09:50					
					VOCMS Group1		8260-Low		~~10 Bus~~. Days
P5291-03	MW4-20241213	Water	12/13/2024	11:04					
					VOCMS Group1		8260-Low		~~10~~ Bus. Days
P5291-04	MW5-20241213	Water	12/13/2024	12:12					
					VOCMS Group1		8260-Low		~~10~~ Bus. Days
P5291-05	MW2-20241213	Water	12/13/2024	13:22					
					VOCMS Group1		8260-Low		~~10~~ Bus. Days
P5291-06	MW3-20241213	Water	12/13/2024	14:22					
					VOCMS Group1		8260-Low		~~10~~ Bus. Days
P5291-07	MW6-20241213	Water	12/13/2024	15:18					
					VOCMS Group1		8260-Low		~~10~~ Bus. Days
P5291-08	P5291-07MS	Water	12/13/2024	15:18					

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

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Report Type : Results Only
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOCMS Group1		8260-Low	~~10~~ Bus. Days		5 days
P5291-09	P5291-07MSD	Water	12/13/2024	15:18						
					VOCMS Group1		8260-Low	~~10~~ Bus. Days		
P5291-10	MW6-20241213-A	Water	12/13/2024	15:18						
					VOCMS Group1		8260-Low	~~10~~ Bus. Days		
P5291-11	~~EQUID-BLANK-20241213~~ + EQUIP-BLANK-20241213	Water	12/13/2024	17:30						
					VOCMS Group1		8260-Low	~~10~~ Bus. Days		
P5291-12	TB-20241216	Water	12/13/2024	00:00						
					VOCMS Group1		8260-Low	~~10~~ Bus. Days		
~~P5291-13~~	~~WC-20241213~~	~~Water~~	~~12/13/2024~~	~~17:00~~						
					~~TCLP VOA~~		~~8260D~~	10 Bus. Days		

Relinguished By : [signature]
Date / Time : 12-16-24 1125

Received By : [signature]
Date / Time : 12.16-24 11:25

Storage Area : VOA Refridgerator Room