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Cover Page

Order ID : P4732

Project ID : PPE Contamination

Client : Furino and Sons, Inc.

Lab Sample Number	Client Sample Number
P4732-01	PPE-COMP
P4732-02	PPE-COMP
P4732-04	PPE-GRAB
P4732-05	PPE-GRAB

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: 11/19/2024

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 #: **P4732**

	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: **PRADIP PRAJAPATI** **Date:** **11/19/2024**

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LAB CHRONICLE

OrderID:	P4732	**OrderDate:**	11/6/2024 12:32:55 PM
Client:	Furino and Sons, Inc.	**Project:**	PPE Contamination
Contact:	Brian Ferranti	**Location:**	L11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4732-04	**PPE-Grab**	**SOIL**			**11/06/24**			**11/06/24**
			VOC-TCLVOA-10	8260D			11/07/24	
P4732-05	**PPE-Grab**	**TCLP**			**11/06/24**			**11/06/24**
			TCLP VOA	8260D			11/13/24	

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Hit Summary Sheet
SW-846

SDG No.: P4732

Client: Furino and Sons, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**PPE-Grab**							
P4732-04	PPE-Grab	SOIL	unknown2.289	* 5100	J	0	0	ug/Kg
			Total Tics :	5100				
			Total Concentration:	5100				

QC SUMMARY

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Surrogate Summary

SDG No.: P4732

Client: Furino and Sons, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4732-04	PPE-Grab	1,2-Dichloroethane-d4	50	47.6	95	50	163
		Dibromofluoromethane	50	46.9	94	54	147
		Toluene-d8	50	46.7	93	58	134
		4-Bromofluorobenzene	50	41.5	83	29	146
VN1107MBL01	VN1107MBL01	1,2-Dichloroethane-d4	50	48.6	97	50	163
		Dibromofluoromethane	50	50.8	102	54	147
		Toluene-d8	50	46.8	94	58	134
		4-Bromofluorobenzene	50	44.8	90	29	146
VN1107MBS01	VN1107MBS01	1,2-Dichloroethane-d4	50	45.6	91	50	163
		Dibromofluoromethane	50	47.5	95	54	147
		Toluene-d8	50	47.4	95	58	134
		4-Bromofluorobenzene	50	50.4	101	29	146
VN1107MBSD0	VN1107MBSD01	1,2-Dichloroethane-d4	50	45.4	91	50	163
		Dibromofluoromethane	50	47.4	95	54	147
		Toluene-d8	50	47.4	95	58	134
		4-Bromofluorobenzene	50	49.0	98	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4732

Client: Furino and Sons, Inc.

Analytical Method: SW8260D **Datafile :** VN084719.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1107MBS01	Dichlorodifluoromethane	2000	2000	ug/Kg	100			64	136	
	Chloromethane	2000	1700	ug/Kg	85			70	130	
	Vinyl chloride	2000	2000	ug/Kg	100			72	129	
	Bromomethane	2000	2000	ug/Kg	100			58	141	
	Chloroethane	2000	2000	ug/Kg	100			69	130	
	Trichlorofluoromethane	2000	2000	ug/Kg	100			69	134	
	1,1,2-Trichlorotrifluoroethane	2000	2100	ug/Kg	105			81	123	
	1,1-Dichloroethene	2000	1900	ug/Kg	95			79	121	
	Acetone	10000	11700	ug/Kg	117			60	131	
	Carbon disulfide	2000	1700	ug/Kg	85			45	154	
	Methyl tert-butyl Ether	2000	2100	ug/Kg	105			77	129	
	Methyl Acetate	2000	1700	ug/Kg	85			69	149	
	Methylene Chloride	2000	2000	ug/Kg	100			56	174	
	trans-1,2-Dichloroethene	2000	1900	ug/Kg	95			80	123	
	1,1-Dichloroethane	2000	2000	ug/Kg	100			82	123	
	Cyclohexane	2000	2000	ug/Kg	100			76	122	
	2-Butanone	10000	10600	ug/Kg	106			69	131	
	Carbon Tetrachloride	2000	2100	ug/Kg	105			76	129	
	cis-1,2-Dichloroethene	2000	2000	ug/Kg	100			82	123	
	Bromochloromethane	2000	2500	ug/Kg	125			80	127	
	Chloroform	2000	2100	ug/Kg	105			82	125	
	1,1,1-Trichloroethane	2000	2100	ug/Kg	105			80	126	
	Methylcyclohexane	2000	2000	ug/Kg	100			77	123	
	Benzene	2000	2100	ug/Kg	105			84	121	
	1,2-Dichloroethane	2000	2100	ug/Kg	105			81	126	
	Trichloroethene	2000	2100	ug/Kg	105			83	122	
	1,2-Dichloropropane	2000	2100	ug/Kg	105			83	122	
	Bromodichloromethane	2000	2200	ug/Kg	110			82	123	
	4-Methyl-2-Pentanone	10000	11400	ug/Kg	114			70	135	
	Toluene	2000	2200	ug/Kg	110			83	122	
	t-1,3-Dichloropropene	2000	2000	ug/Kg	100			78	124	
	cis-1,3-Dichloropropene	2000	2100	ug/Kg	105			81	122	
	1,1,2-Trichloroethane	2000	2200	ug/Kg	110			82	125	
	2-Hexanone	10000	11700	ug/Kg	117			66	138	
	Dibromochloromethane	2000	2300	ug/Kg	115			79	125	
	1,2-Dibromoethane	2000	2100	ug/Kg	105			80	125	
	Tetrachloroethene	2000	2000	ug/Kg	100			83	125	
	Chlorobenzene	2000	2000	ug/Kg	100			84	122	
	Ethyl Benzene	2000	2100	ug/Kg	105			82	124	
	m/p-Xylenes	4000	4200	ug/Kg	105			83	124	
	o-Xylene	2000	2200	ug/Kg	110			83	123	
	Styrene	2000	2200	ug/Kg	110			82	124	
	Bromoform	2000	2200	ug/Kg	110			75	127	
	Isopropylbenzene	2000	2100	ug/Kg	105			82	124	
	1,1,2,2-Tetrachloroethane	2000	1900	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	2000	1800	ug/Kg	90			83	122	
	1,4-Dichlorobenzene	2000	1900	ug/Kg	95			84	121	
	1,2-Dichlorobenzene	2000	1900	ug/Kg	95			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4732

Client: Furino and Sons, Inc.

Analytical Method: SW8260D **Datafile :** VN084719.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1107MBS01	1,2-Dibromo-3-Chloropropane	2000	1900	ug/Kg	95			66	134	
	1,2,4-Trichlorobenzene	2000	1700	ug/Kg	85			78	127	
	1,2,3-Trichlorobenzene	2000	1700	ug/Kg	85			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4732

Client: Furino and Sons, Inc.

Analytical Method: SW8260D **Datafile :** VN084720.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1107MBSD01	Dichlorodifluoromethane	2000	2000	ug/Kg	100	0		64	136	20
	Chloromethane	2000	1800	ug/Kg	90	6		70	130	20
	Vinyl chloride	2000	2000	ug/Kg	100	0		72	129	20
	Bromomethane	2000	2100	ug/Kg	105	5		58	141	20
	Chloroethane	2000	2100	ug/Kg	105	5		69	130	20
	Trichlorofluoromethane	2000	2100	ug/Kg	105	5		69	134	20
	1,1,2-Trichlorotrifluoroethane	2000	2200	ug/Kg	110	5		81	123	20
	1,1-Dichloroethene	2000	2000	ug/Kg	100	5		79	121	20
	Acetone	10000	11700	ug/Kg	117	0		60	131	20
	Carbon disulfide	2000	1800	ug/Kg	90	6		45	154	20
	Methyl tert-butyl Ether	2000	2200	ug/Kg	110	5		77	129	20
	Methyl Acetate	2000	1900	ug/Kg	95	11		69	149	20
	Methylene Chloride	2000	2100	ug/Kg	105	5		56	174	20
	trans-1,2-Dichloroethene	2000	2000	ug/Kg	100	5		80	123	20
	1,1-Dichloroethane	2000	2100	ug/Kg	105	5		82	123	20
	Cyclohexane	2000	2000	ug/Kg	100	0		76	122	20
	2-Butanone	10000	11100	ug/Kg	111	5		69	131	20
	Carbon Tetrachloride	2000	2200	ug/Kg	110	5		76	129	20
	cis-1,2-Dichloroethene	2000	2100	ug/Kg	105	5		82	123	20
	Bromochloromethane	2000	2600	ug/Kg	130	4	*	80	127	20
	Chloroform	2000	2200	ug/Kg	110	5		82	125	20
	1,1,1-Trichloroethane	2000	2200	ug/Kg	110	5		80	126	20
	Methylcyclohexane	2000	2200	ug/Kg	110	10		77	123	20
	Benzene	2000	2200	ug/Kg	110	5		84	121	20
	1,2-Dichloroethane	2000	2200	ug/Kg	110	5		81	126	20
	Trichloroethene	2000	2200	ug/Kg	110	5		83	122	20
	1,2-Dichloropropane	2000	2200	ug/Kg	110	5		83	122	20
	Bromodichloromethane	2000	2200	ug/Kg	110	0		82	123	20
	4-Methyl-2-Pentanone	10000	11700	ug/Kg	117	3		70	135	20
	Toluene	2000	2300	ug/Kg	115	4		83	122	20
	t-1,3-Dichloropropene	2000	2100	ug/Kg	105	5		78	124	20
	cis-1,3-Dichloropropene	2000	2200	ug/Kg	110	5		81	122	20
	1,1,2-Trichloroethane	2000	2300	ug/Kg	115	4		82	125	20
	2-Hexanone	10000	12000	ug/Kg	120	3		66	138	20
	Dibromochloromethane	2000	2400	ug/Kg	120	4		79	125	20
	1,2-Dibromoethane	2000	2200	ug/Kg	110	5		80	125	20
	Tetrachloroethene	2000	2200	ug/Kg	110	10		83	125	20
	Chlorobenzene	2000	2100	ug/Kg	105	5		84	122	20
	Ethyl Benzene	2000	2200	ug/Kg	110	5		82	124	20
	m/p-Xylenes	4000	4500	ug/Kg	113	7		83	124	20
	o-Xylene	2000	2300	ug/Kg	115	4		83	123	20
	Styrene	2000	2200	ug/Kg	110	0		82	124	20
	Bromoform	2000	2400	ug/Kg	120	9		75	127	20
	Isopropylbenzene	2000	2100	ug/Kg	105	0		82	124	20
	1,1,2,2-Tetrachloroethane	2000	2100	ug/Kg	105	10		77	127	20
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100	11		83	122	20
	1,4-Dichlorobenzene	2000	2100	ug/Kg	105	10		84	121	20
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100	5		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4732

Client: Furino and Sons, Inc.

Analytical Method: SW8260D **Datafile :** VN084720.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1107MBSD01	1,2-Dibromo-3-Chloropropane	2000	1800	ug/Kg	90	5		66	134	20
	1,2,4-Trichlorobenzene	2000	1800	ug/Kg	90	6		78	127	20
	1,2,3-Trichlorobenzene	2000	1800	ug/Kg	90	6		70	137	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1107MBL01

Lab Name: CHEMTECH Contract: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG NO.: P4732

Lab File ID: VN084717.D Lab Sample ID: VN1107MBL01

Date Analyzed: 11/07/2024 Time Analyzed: 12:24

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
VN1107MBS01	VN1107MBS01	VN084719.D	11/07/2024
VN1107MBSD01	VN1107MBSD01	VN084720.D	11/07/2024
PPE-Grab	P4732-04	VN084726.D	11/07/2024

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG NO.: P4732

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

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	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

Raw Data: **VN084715.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG NO.: P4732

Lab File ID: VN084715.D BFB Injection Date: 11/07/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:59

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.6 (7.5) 1
176	95.0 - 101.0% of mass 174	73.3 (98.4) 1
177	5.0 - 9.0% of mass 176	4.7 (6.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084716.D	11/07/2024	11:50
VN1107MBL01	VN1107MBL01	VN084717.D	11/07/2024	12:24
VN1107MBS01	VN1107MBS01	VN084719.D	11/07/2024	13:34
VN1107MBSD01	VN1107MBSD01	VN084720.D	11/07/2024	13:58
PPE-Grab	P4732-04	VN084726.D	11/07/2024	17:09

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG NO.: P4732

Lab File ID: VN084716.D Date Analyzed: 11/07/2024

Instrument ID: MSVOA_N Time Analyzed: 11:50

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	165434	8.22	276584	9.10	245337	11.87
UPPER LIMIT	330868	8.724	553168	9.6	490674	12.365
LOWER LIMIT	82717	7.724	138292	8.6	122669	11.365
EPA SAMPLE NO.						
PPE-Grab	192832	8.22	338721	9.09	282154	11.87
VN1107MBL01	152647	8.22	260913	9.10	224097	11.87
VN1107MBS01	187169	8.22	306399	9.10	282379	11.87
VN1107MBSD01	175664	8.22	289091	9.10	261498	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: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG NO.: P4732

Lab File ID: VN084716.D Date Analyzed: 11/07/2024

Instrument ID: MSVOA_N Time Analyzed: 11:50

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

	IS4 AREA #	RT #				
12 HOUR STD	120573	13.788				
UPPER LIMIT	241146	14.288				
LOWER LIMIT	60286.5	13.288				
EPA SAMPLE NO.						
PPE-Grab	119437	13.79				
VN1107MBL01	94404	13.79				
VN1107MBS01	143946	13.79				
VN1107MBSD01	134964	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VN084726.D**

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

Report of Analysis

Client:	Furino and Sons, Inc.	Date Collected:	11/06/24
Project:	PPE Contamination	Date Received:	11/06/24
Client Sample ID:	PPE-Grab	SDG No.:	P4732
Lab Sample ID:	P4732-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	1.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084726.D	1		11/07/24 17:09	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	790	U	790	2400	ug/Kg
74-87-3	Chloromethane	550	U	550	2400	ug/Kg
75-01-4	Vinyl Chloride	370	U	370	2400	ug/Kg
74-83-9	Bromomethane	490	U	490	2400	ug/Kg
75-00-3	Chloroethane	480	U	480	2400	ug/Kg
75-69-4	Trichlorofluoromethane	430	U	430	2400	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	510	U	510	2400	ug/Kg
75-35-4	1,1-Dichloroethene	370	U	370	2400	ug/Kg
67-64-1	Acetone	3000	U	3000	11900	ug/Kg
75-15-0	Carbon Disulfide	610	U	610	2400	ug/Kg
1634-04-4	Methyl tert-butyl Ether	320	U	320	2400	ug/Kg
79-20-9	Methyl Acetate	860	U	860	2400	ug/Kg
75-09-2	Methylene Chloride	1600	U	1600	4800	ug/Kg
156-60-5	trans-1,2-Dichloroethene	400	U	400	2400	ug/Kg
75-34-3	1,1-Dichloroethane	300	U	300	2400	ug/Kg
110-82-7	Cyclohexane	330	U	330	2400	ug/Kg
78-93-3	2-Butanone	2700	U	2700	11900	ug/Kg
56-23-5	Carbon Tetrachloride	410	U	410	2400	ug/Kg
156-59-2	cis-1,2-Dichloroethene	290	U	290	2400	ug/Kg
74-97-5	Bromochloromethane	1200	UQ	1200	2400	ug/Kg
67-66-3	Chloroform	320	U	320	2400	ug/Kg
71-55-6	1,1,1-Trichloroethane	370	U	370	2400	ug/Kg
108-87-2	Methylcyclohexane	410	U	410	2400	ug/Kg
71-43-2	Benzene	340	U	340	2400	ug/Kg
107-06-2	1,2-Dichloroethane	290	U	290	2400	ug/Kg
79-01-6	Trichloroethene	360	U	360	2400	ug/Kg
78-87-5	1,2-Dichloropropane	310	U	310	2400	ug/Kg
75-27-4	Bromodichloromethane	270	U	270	2400	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2100	U	2100	11900	ug/Kg
108-88-3	Toluene	320	U	320	2400	ug/Kg

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Report of Analysis

Client:	Furino and Sons, Inc.	Date Collected:	11/06/24
Project:	PPE Contamination	Date Received:	11/06/24
Client Sample ID:	PPE-Grab	SDG No.:	P4732
Lab Sample ID:	P4732-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	1.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084726.D	1		11/07/24 17:09	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	290	U	290	2400	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	270	U	270	2400	ug/Kg
79-00-5	1,1,2-Trichloroethane	400	U	400	2400	ug/Kg
591-78-6	2-Hexanone	2300	U	2300	11900	ug/Kg
124-48-1	Dibromochloromethane	310	U	310	2400	ug/Kg
106-93-4	1,2-Dibromoethane	380	U	380	2400	ug/Kg
127-18-4	Tetrachloroethene	420	U	420	2400	ug/Kg
108-90-7	Chlorobenzene	350	U	350	2400	ug/Kg
100-41-4	Ethyl Benzene	300	U	300	2400	ug/Kg
179601-23-1	m/p-Xylenes	640	U	640	4800	ug/Kg
95-47-6	o-Xylene	330	U	330	2400	ug/Kg
100-42-5	Styrene	290	U	290	2400	ug/Kg
75-25-2	Bromoform	390	U	390	2400	ug/Kg
98-82-8	Isopropylbenzene	320	U	320	2400	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	520	U	520	2400	ug/Kg
541-73-1	1,3-Dichlorobenzene	350	U	350	2400	ug/Kg
106-46-7	1,4-Dichlorobenzene	380	U	380	2400	ug/Kg
95-50-1	1,2-Dichlorobenzene	280	U	280	2400	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	740	U	740	2400	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	380	U	380	2400	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	370	U	370	2400	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		50 - 163	95%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		54 - 147	94%	SPK: 50
2037-26-5	Toluene-d8	46.7		58 - 134	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		29 - 146	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	193000	8.218			
540-36-3	1,4-Difluorobenzene	339000	9.094			
3114-55-4	Chlorobenzene-d5	282000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN084726.D**

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

Report of Analysis

Client:	Furino and Sons, Inc.	Date Collected:	11/06/24
Project:	PPE Contamination	Date Received:	11/06/24
Client Sample ID:	PPE-Grab	SDG No.:	P4732
Lab Sample ID:	P4732-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	1.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084726.D	1		11/07/24 17:09	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown2.289	5100	J		2.29	ug/Kg

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\VN110724\
Data File : VN084726.D
Acq On : 07 Nov 2024 17:09
Operator : JC\MD
Sample : P4732-04
Misc : 1.05G/10 mL/100uL//5.0mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Quant Time: Nov 08 00:29:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

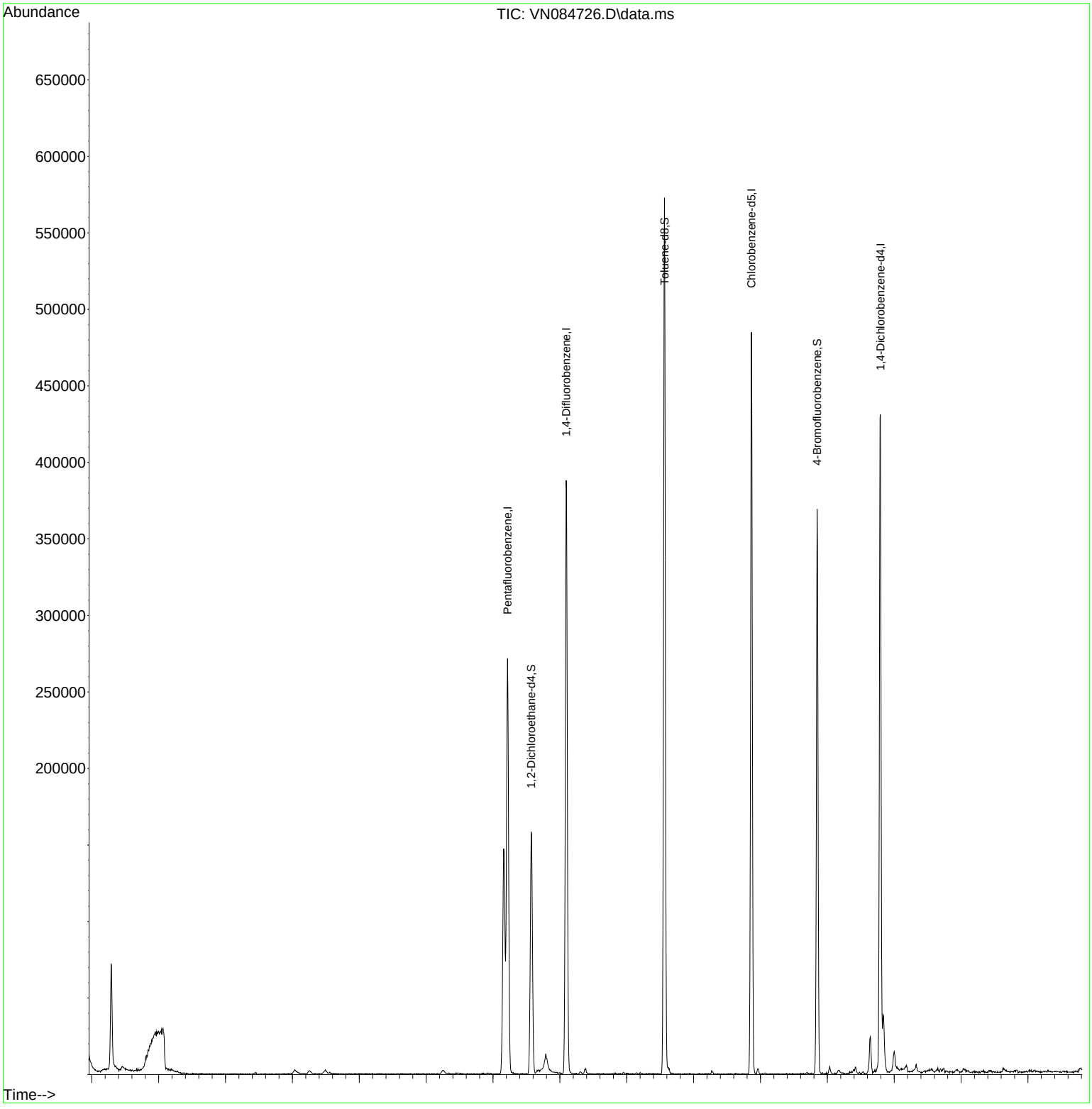
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	192832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	338721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	132718	47.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.300%		
35) Dibromofluoromethane	8.159	113	107502	46.888	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.780%		
50) Toluene-d8	10.565	98	394405	46.699	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.400%		
62) 4-Bromofluorobenzene	12.847	95	131166	41.555	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	83.120%		
Target Compounds						Qvalue
67) Ethyl Benzene	11.965	91	3337	0.317	ug/l	91
78) n-propylbenzene	13.035	91	4531	0.462	ug/l	90
95) Naphthalene	15.635	128	3079	0.445	ug/l #	90

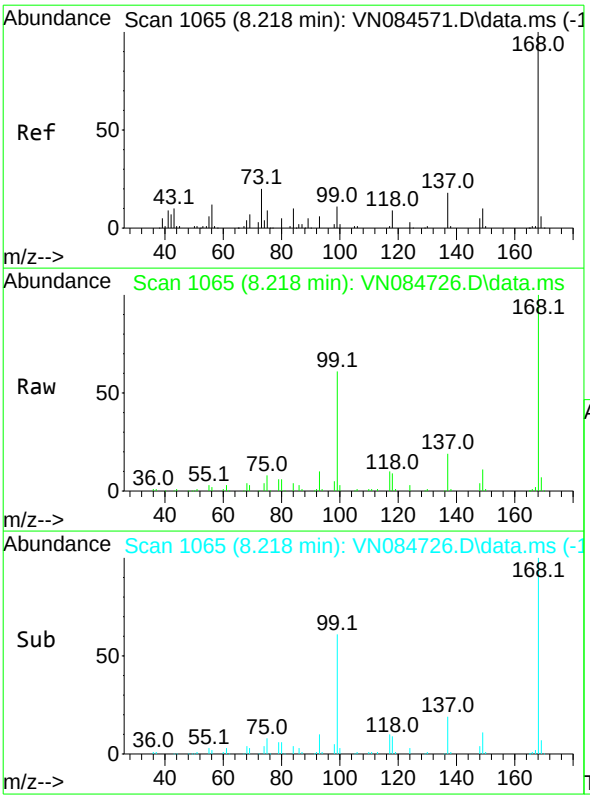
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084726.D
Acq On : 07 Nov 2024 17:09
Operator : JC\MD
Sample : P4732-04
Misc : 1.05G/10 mL/100uL//5.0mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Quant Time: Nov 08 00:29:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



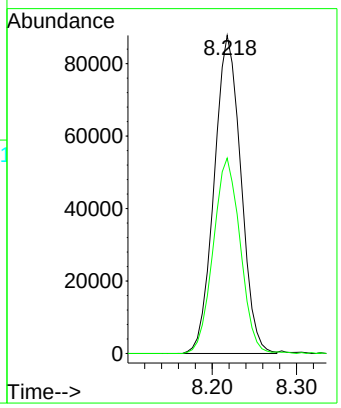


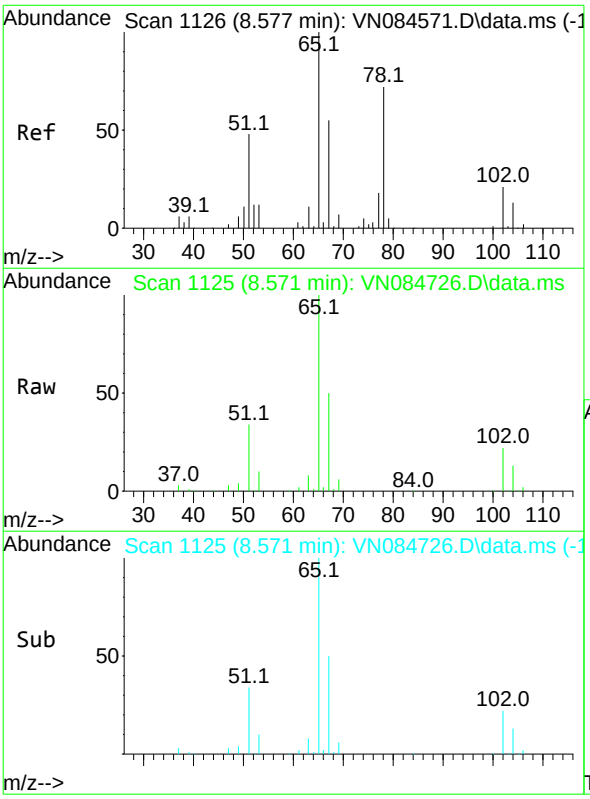
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Tgt Ion:168 Resp: 192832

Ion	Ratio	Lower	Upper
168	100		
99	61.4	54.2	81.2

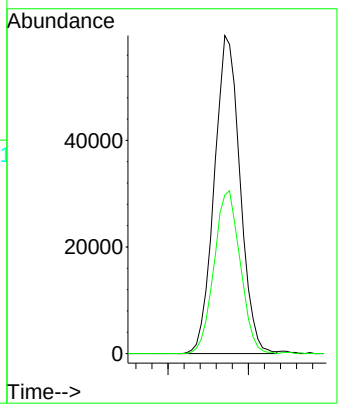


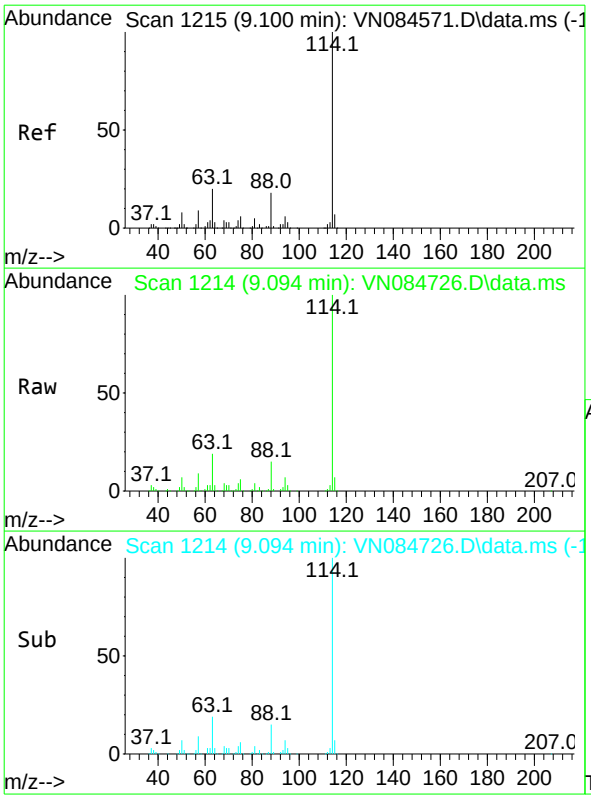


#33
1,2-Dichloroethane-d4
Concen: 47.652 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

Tgt Ion: 65 Resp: 132718

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



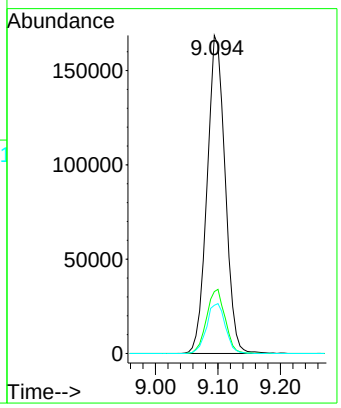


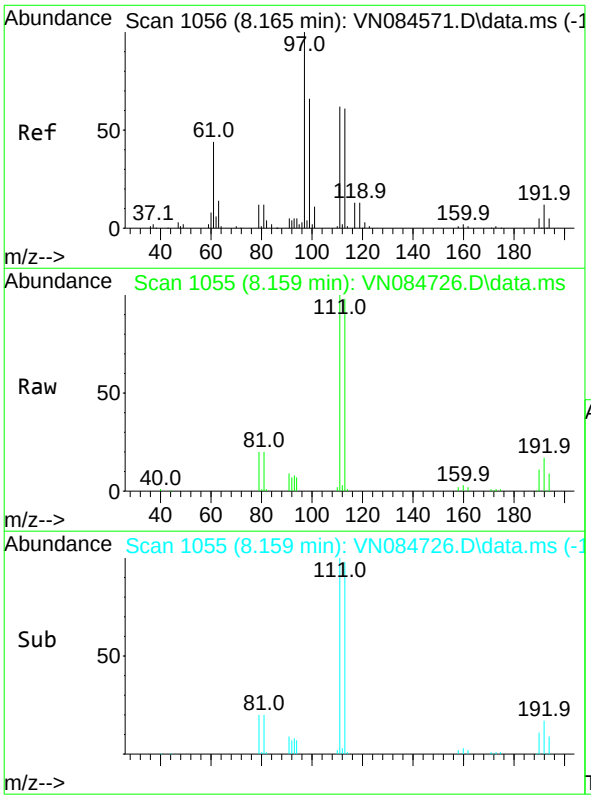
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Tgt Ion:114 Resp: 338721

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	43.8
88	15.2	0.0	31.6

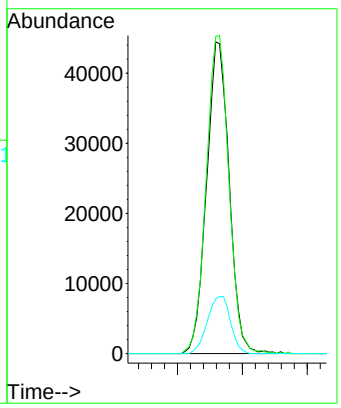


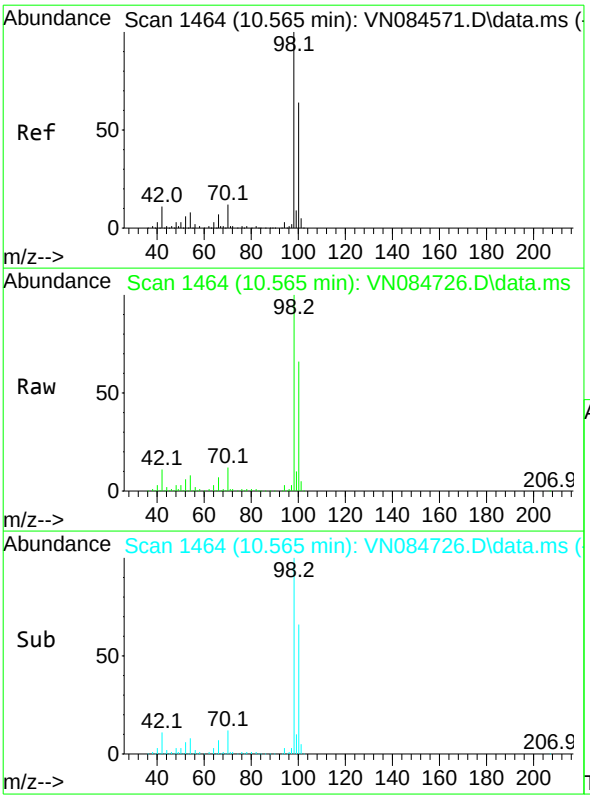


#35
Dibromofluoromethane
Concen: 46.888 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

Tgt Ion:113 Resp: 107502

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.3	124.9
192	18.7	13.5	20.3



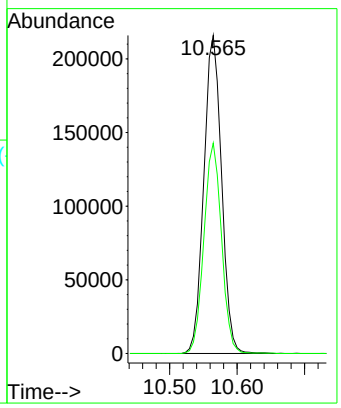


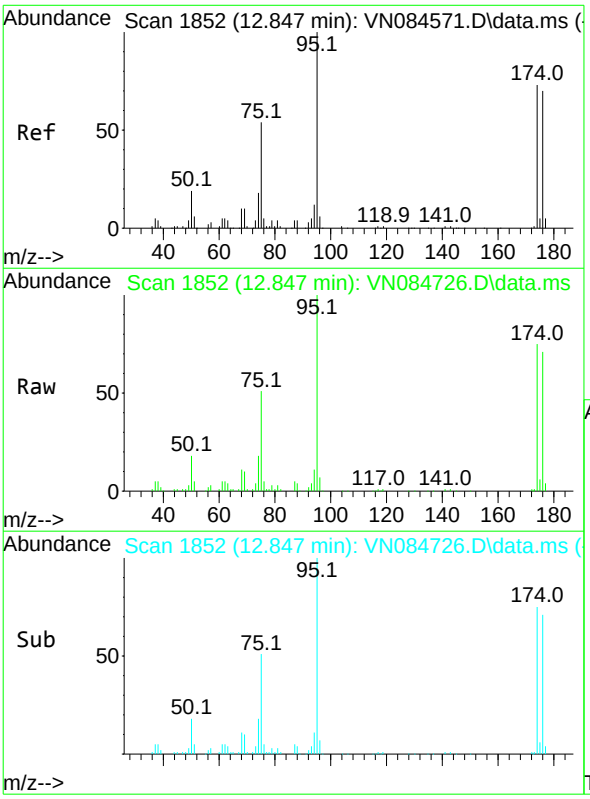
#50
Toluene-d8
Concen: 46.699 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Tgt Ion: 98 Resp: 394405

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

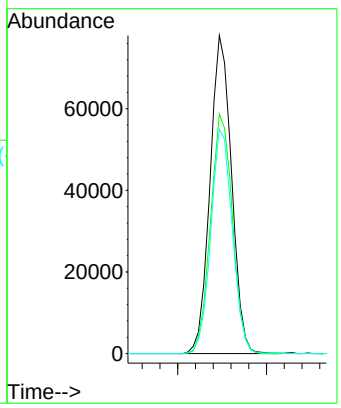


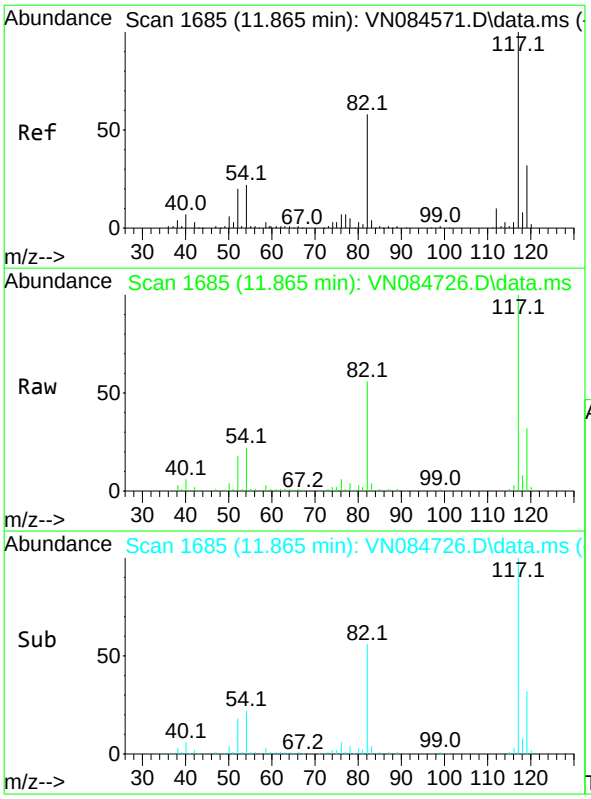


#62
4-Bromofluorobenzene
Concen: 41.555 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

Tgt Ion: 95 Resp: 131166

Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	145.2
176	70.6	0.0	140.0



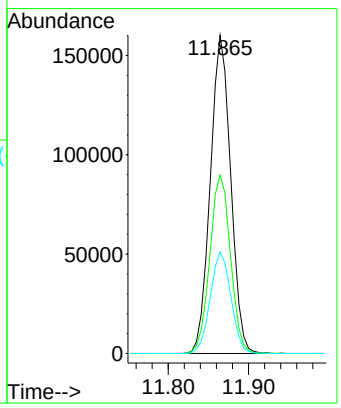


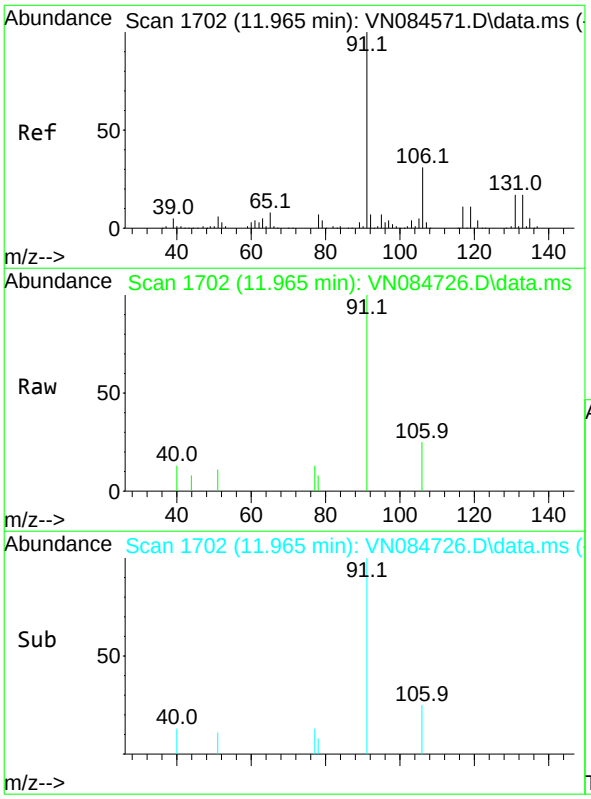
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Tgt Ion:117 Resp: 282154

Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.2	70.8
119	32.0	25.4	38.0

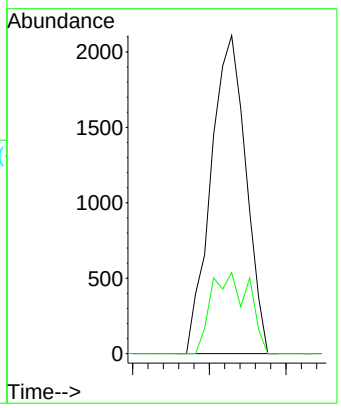


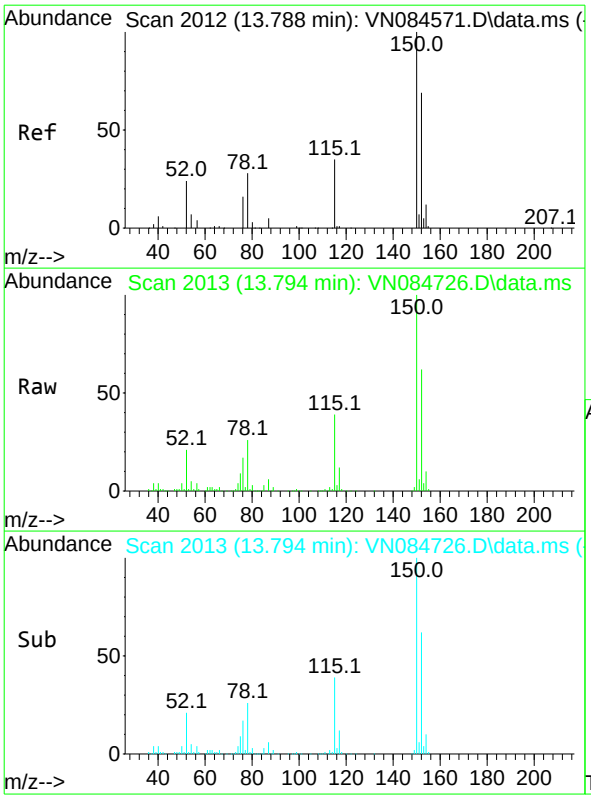


#67
Ethyl Benzene
Concen: 0.317 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

Tgt Ion: 91 Resp: 3337

Ion	Ratio	Lower	Upper
91	100		
106	25.5	24.5	36.7



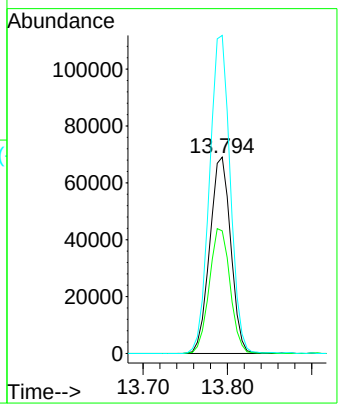


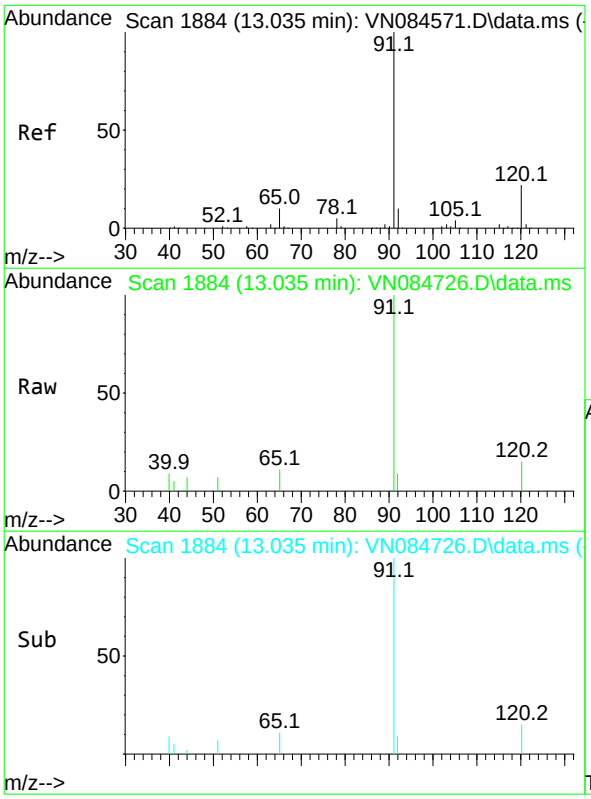
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Tgt Ion:152 Resp: 119437

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.3	93.9
150	159.7	0.0	349.8

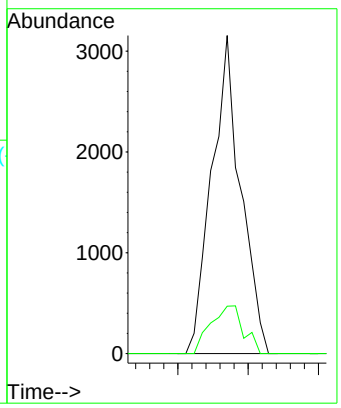


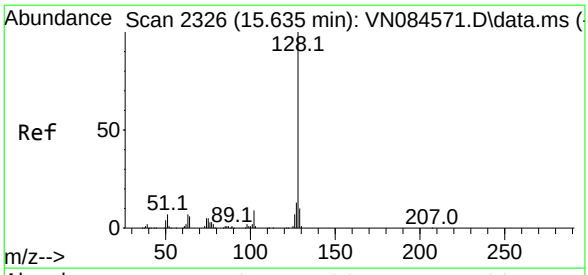


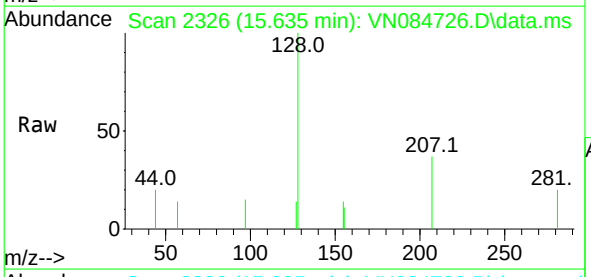
#78
n-propylbenzene
Concen: 0.462 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

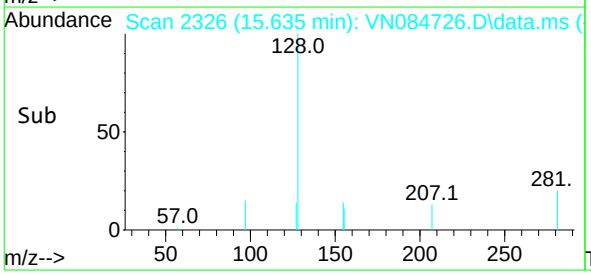
Tgt Ion: 91 Resp: 4531

Ion	Ratio	Lower	Upper
91	100		
120	16.9	10.8	32.4







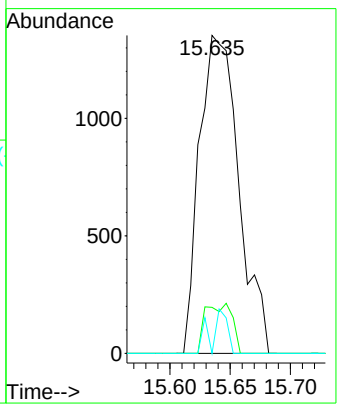


#95
Naphthalene
Concen: 0.445 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084726.D
Acq: 07 Nov 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Tgt Ion:128 Resp: 3079

Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.5	15.7
129	5.7	8.7	13.1#



LSC Area Percent Report

Sample Results: **VN084726.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084726.D
Acq On : 07 Nov 2024 17:09
Operator : JC\MD
Sample : P4732-04
Misc : 1.05G/10 mL/100uL//5.0mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084726.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	51	57	67	rBV2	68851	124110	11.89%	2.170%
2	2.818	133	147	149	rBV7	9804	25227	2.42%	0.441%
3	8.159	1046	1055	1060	rBV2	147169	359137	34.40%	6.280%
4	8.218	1060	1065	1075	rVB	270836	583743	55.92%	10.207%
5	8.571	1117	1125	1136	rBV	158133	357711	34.27%	6.255%
6	8.788	1146	1162	1174	rBV4	11295	40330	3.86%	0.705%
7	9.094	1205	1214	1228	rVB	387553	790027	75.68%	13.815%
8	10.565	1455	1464	1473	rBV	572645	1043939	100.00%	18.255%
9	11.865	1677	1685	1694	rBV	484657	859348	82.32%	15.027%
10	12.847	1845	1852	1862	rVB	368899	623135	59.69%	10.896%
11	13.641	1978	1987	1993	rBV2	24499	48080	4.61%	0.841%
12	13.794	2002	2013	2018	rBV	429573	758638	72.67%	13.266%
13	13.835	2018	2020	2030	rVB2	37450	66978	6.42%	1.171%
14	14.000	2042	2048	2054	rBV5	12378	27040	2.59%	0.473%
15	14.329	2100	2104	2116	rVB6	5686	11330	1.09%	0.198%

Sum of corrected areas: 5718773

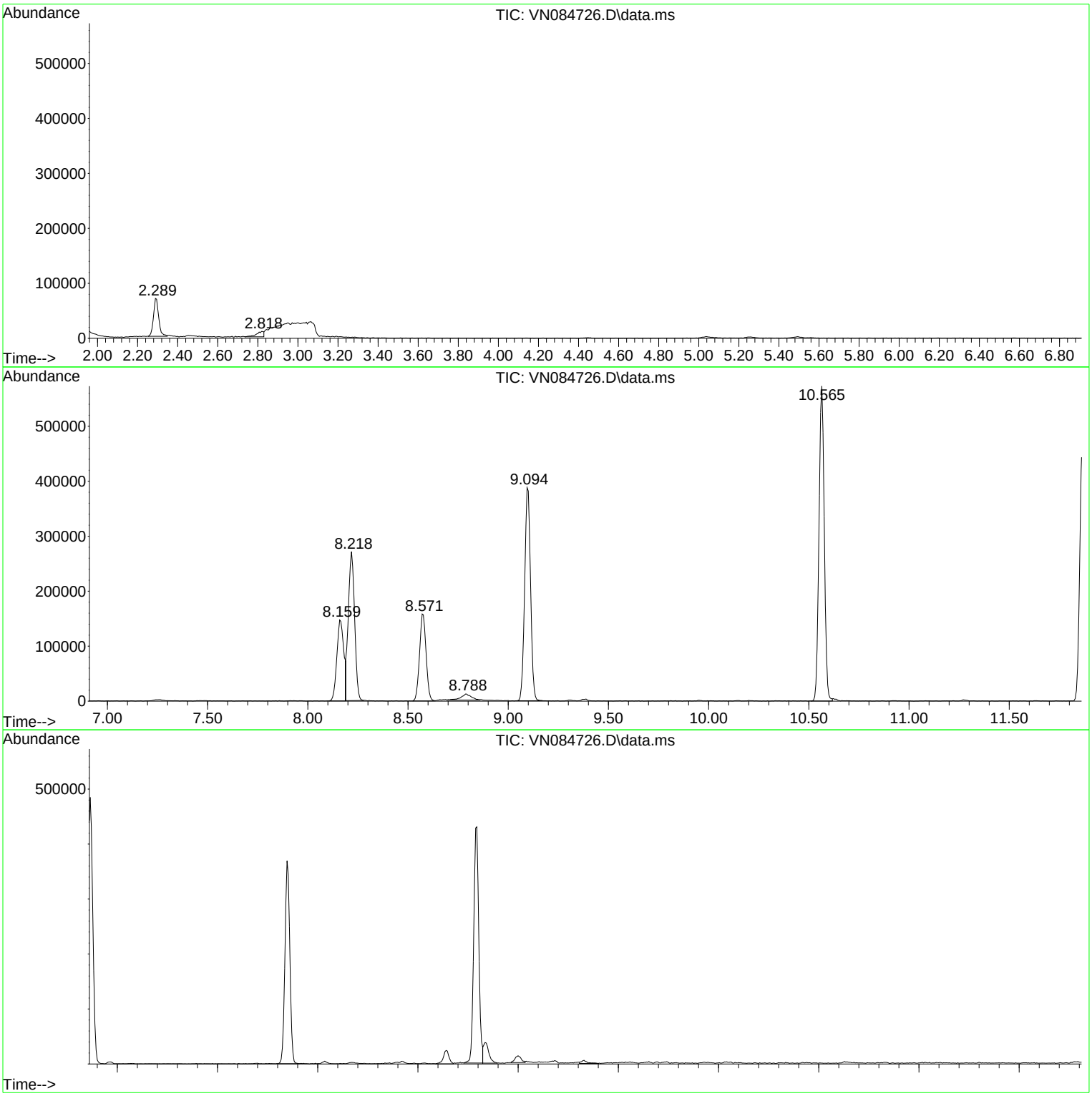
Sample Results: **VN084726.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084726.D
Acq On : 07 Nov 2024 17:09
Operator : JC\MD
Sample : P4732-04
Misc : 1.05G/10 mL/100uL//5.0mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084726.D
Acq On : 07 Nov 2024 17:09
Operator : JC\MD
Sample : P4732-04
Misc : 1.05G/10 mL/100uL//5.0mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

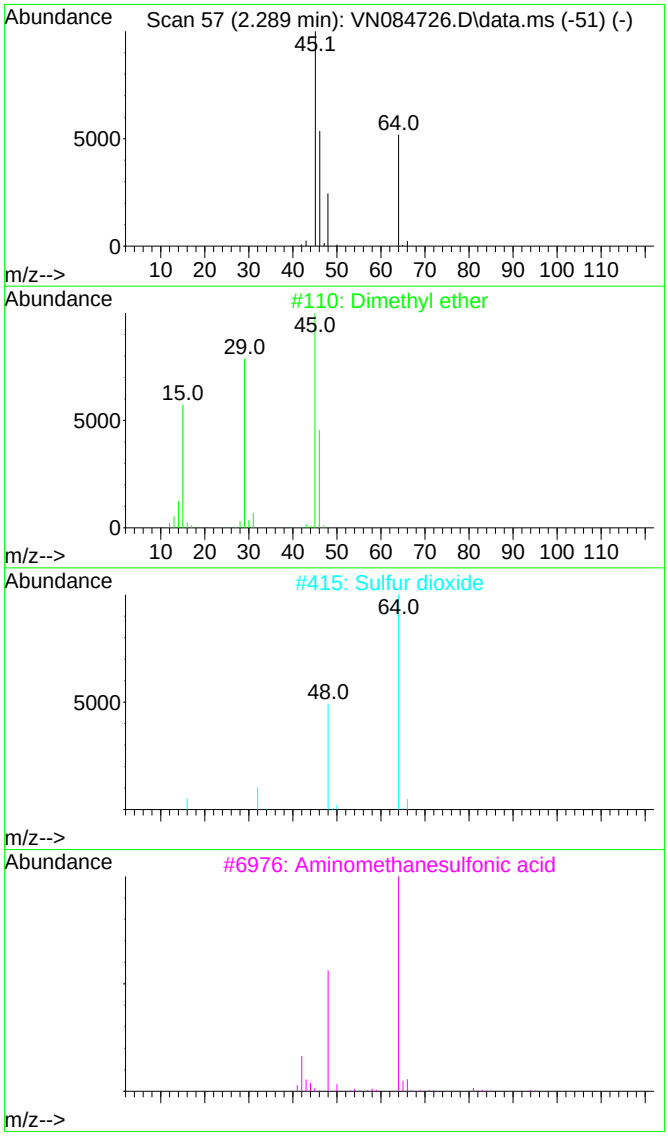
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

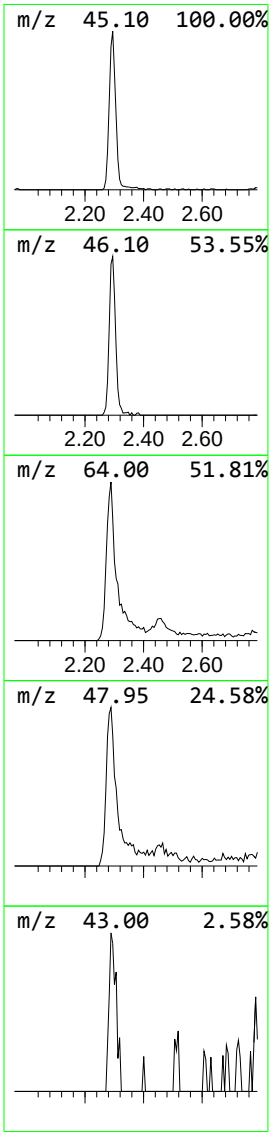
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown2.289 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.289	10.63 ug/l	124110	Pentafluorobenzene	8.218

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	16
2	Sulfur dioxide	64	O2S	007446-09-5	9
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
4	Ethanol	46	C2H6O	000064-17-5	7
5	Formic acid	46	CH2O2	000064-18-6	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084726.D
Acq On : 07 Nov 2024 17:09
Operator : JC\MD
Sample : P4732-04
Misc : 1.05G/10 mL/100uL//5.0mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PPE-Grab

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown2.289	2.289	10.6	ug/l	124110	1	8.218	583743	50.0

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG No.: P4732

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.571	0.552	0.552	0.598	0.594	0.581	0.575	3.4
Chloromethane	0.658	0.672	0.725	0.871	0.995	1.789	0.952	45.2
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
Bromomethane	0.292	0.296	0.310	0.336	0.405		0.328	14.2
Chloroethane	0.378	0.376	0.413	0.426	0.475	0.863	0.488	38.3
Trichlorofluoromethane	0.971	0.959	1.017	1.022	1.070	1.071	1.018	4.7
1,1,2-Trichlorotrifluoroethane	0.566	0.557	0.571	0.585	0.588	0.586	0.575	2.2
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
Acetone	0.209	0.204	0.213	0.223	0.241	0.338	0.238	21.3
Carbon Disulfide	1.604	1.603	1.700	1.714	1.784	2.117	1.753	10.9
Methyl tert-butyl Ether	1.773	1.758	1.802	1.779	1.786	1.572	1.745	4.9
Methyl Acetate	0.731	0.749	0.954	1.044	1.266	2.291	1.172	49.7
Methylene Chloride	0.604	0.602	0.633	0.658	0.714	0.600	0.635	7.1
trans-1,2-Dichloroethene	0.565	0.563	0.596	0.600	0.584	0.601	0.585	2.9
1,1-Dichloroethane	1.067	1.066	1.114	1.127	1.203	1.033	1.102	5.5
Cyclohexane	0.956	0.938	0.956	1.043	1.093		0.997	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
cis-1,2-Dichloroethene	0.675	0.662	0.697	0.685	0.705	0.673	0.683	2.4
Bromochloromethane	0.483	0.511	0.388	0.415	0.408	0.429	0.439	10.8
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
1,1,1-Trichloroethane	1.000	0.991	1.046	1.073	1.032	0.980	1.021	3.5
Methylcyclohexane	0.546	0.509	0.495	0.487	0.458	0.371	0.478	12.5
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
1,2-Dichloropropane	0.356	0.348	0.358	0.357	0.373	0.330	0.354	4
Bromodichloromethane	0.528	0.521	0.526	0.522	0.529	0.530	0.526	0.7
4-Methyl-2-Pentanone	0.424	0.423	0.416	0.417	0.412	0.344	0.406	7.6
Toluene	0.923	0.899	0.919	0.902	0.891	0.757	0.882	7.1

* 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.

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG No.: P4732

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.552	0.543	0.538	0.532	0.547	0.555	0.544	1.6
cis-1,3-Dichloropropene	0.592	0.581	0.582	0.569	0.584	0.548	0.576	2.7
1,1,2-Trichloroethane	0.336	0.329	0.334	0.342	0.342	0.309	0.332	3.7
2-Hexanone	0.314	0.312	0.301	0.297	0.294	0.256	0.296	7.1
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9
1,2-Dibromoethane	0.340	0.333	0.341	0.335	0.355	0.336	0.340	2.4
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
Ethyl Benzene	1.957	1.891	1.928	1.880	1.849	1.697	1.867	4.9
m/p-Xylenes	0.737	0.728	0.737	0.701	0.683	0.654	0.707	4.8
o-Xylene	0.703	0.690	0.701	0.679	0.645	0.550	0.661	8.9
Styrene	1.223	1.205	1.206	1.144	1.093	1.050	1.154	6.1
Bromoform	0.287	0.295	0.298	0.289	0.302	0.286	0.293	2.3
Isopropylbenzene	3.558	3.570	3.701	3.605	3.402	3.188	3.504	5.2
1,1,2,2-Tetrachloroethane	1.052	1.073	1.163	1.190	1.317	1.222	1.170	8.4
1,3-Dichlorobenzene	1.642	1.668	1.770	1.802	1.884	2.264	1.838	12.3
1,4-Dichlorobenzene	1.646	1.674	1.782	1.867	1.879	2.773	1.937	21.7
1,2-Dichlorobenzene	1.601	1.618	1.748	1.732	1.879	2.021	1.766	9.1
1,2-Dibromo-3-Chloropropane	0.204	0.217	0.229	0.226	0.274	0.272	0.237	12.3
1,2,4-Trichlorobenzene	0.852	0.865	0.895	0.881	0.956	1.353	0.967	19.9
1,2,3-Trichlorobenzene	0.832	0.841	0.953	0.877	0.939	1.189	0.939	14.1
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

* 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 : 82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024
Response Via : Initial Calibration

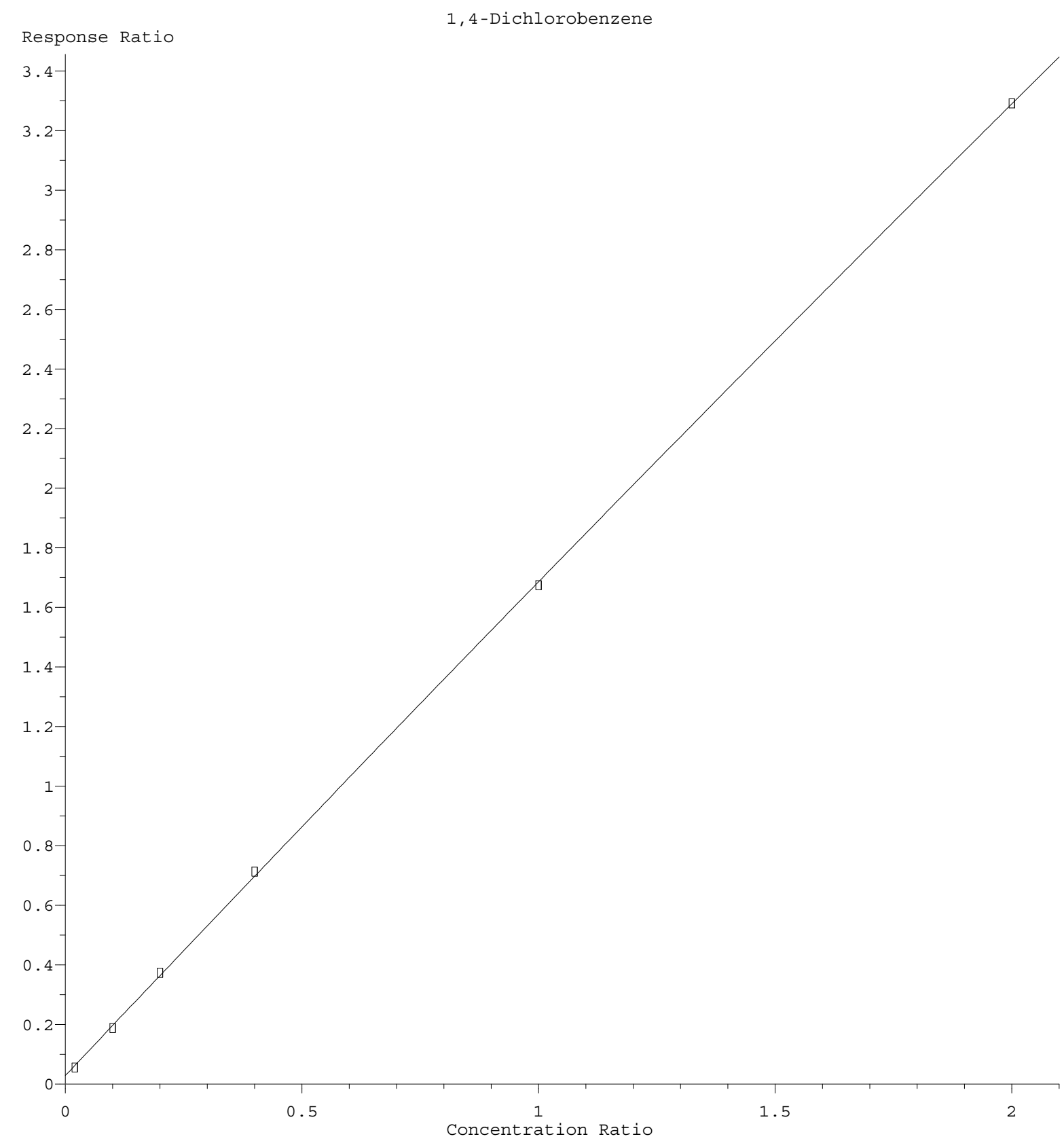
Calibration Files
1 =VN084575.D 5 =VN084574.D 10 =VN084573.D 20 =VN084572.D 50 =VN084571.D 100 =VN084570.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.581	0.594	0.598	0.552	0.552	0.571	0.575	3.43
3)	P	Chloromethane	1.789	0.995	0.871	0.725	0.672	0.658	0.952	45.21
4)	C	Vinyl Chloride	0.581	0.651	0.636	0.623	0.605	0.613	0.618	3.98#
5)	T	Bromomethane		0.405	0.336	0.310	0.296	0.292	0.328	14.16
6)	T	Chloroethane	0.863	0.475	0.426	0.413	0.376	0.378	0.488	38.29
7)	T	Trichlorofluor...	1.071	1.070	1.022	1.017	0.959	0.971	1.018	4.66
8)	T	Diethyl Ether	0.358	0.371	0.364	0.359	0.353	0.351	0.359	2.08
9)	T	1,1,2-Trichlor...	0.586	0.588	0.585	0.571	0.557	0.566	0.575	2.23
10)	T	Methyl Iodide		0.817	0.800	0.764	0.736	0.728	0.769	5.08
11)	T	Tert butyl alc...		0.118	0.100	0.090	0.086	0.082	0.095	15.11
12)	CM	1,1-Dichloroet...	0.644	0.552	0.575	0.560	0.538	0.548	0.569	6.78#
13)	T	Acrolein		0.104	0.096	0.101	0.088	0.086	0.095	8.16
14)	T	Allyl chloride	0.849	0.977	0.925	0.939	0.917	0.934	0.923	4.56
15)	T	Acrylonitrile	0.263	0.294	0.282	0.282	0.271	0.264	0.276	4.42
16)	T	Acetone	0.338	0.241	0.223	0.213	0.204	0.209	0.238	21.31
17)	T	Carbon Disulfide	2.117	1.784	1.714	1.700	1.603	1.604	1.753	10.90
18)	T	Methyl Acetate	2.291	1.266	1.044	0.954	0.749	0.731	1.172	49.71
19)	T	Methyl tert-bu...	1.572	1.786	1.779	1.802	1.758	1.773	1.745	4.92
20)	T	Methylene Chlo...	0.600	0.714	0.658	0.633	0.602	0.604	0.635	7.09
21)	T	trans-1,2-Dich...	0.601	0.584	0.600	0.596	0.563	0.565	0.585	2.94
22)	T	Diisopropyl ether	1.623	1.843	1.909	1.921	1.855	1.858	1.835	5.91
23)	T	Vinyl Acetate	1.090	1.297	1.298	1.306	1.299	1.303	1.265	6.81
24)	P	1,1-Dichloroet...	1.033	1.203	1.127	1.114	1.066	1.067	1.102	5.49
25)	T	2-Butanone	0.334	0.370	0.338	0.348	0.315	0.316	0.337	6.14
26)	T	2,2-Dichloropr...	0.933	0.959	0.978	0.974	0.941	0.968	0.959	1.93
27)	T	cis-1,2-Dichlo...	0.673	0.705	0.685	0.697	0.662	0.675	0.683	2.38
28)	T	Bromochloromet...	0.429	0.408	0.415	0.388	0.511	0.483	0.439	10.79
29)	T	Tetrahydrofuran	0.197	0.236	0.234	0.231	0.222	0.221	0.224	6.52
30)	C	Chloroform	1.025	1.222	1.154	1.142	1.086	1.099	1.121	6.02#
31)	T	Cyclohexane		1.093	1.043	0.956	0.938	0.956	0.997	6.75
32)	T	1,1,1-Trichlor...	0.980	1.032	1.073	1.046	0.991	1.000	1.021	3.53
33)	S	1,2-Dichloroet...		0.771	0.722	0.708	0.721	0.689	0.722	4.20
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.353	0.336	0.326	0.344	0.334	0.338	3.07
36)	T	1,1-Dichloropr...	0.474	0.477	0.468	0.471	0.451	0.476	0.469	2.02
37)	T	Ethyl Acetate	0.410	0.466	0.404	0.429	0.422	0.424	0.426	5.14
38)	T	Carbon Tetrach...	0.488	0.537	0.548	0.532	0.514	0.530	0.525	4.04
39)	T	Methylcyclohexane	0.371	0.458	0.487	0.495	0.509	0.546	0.478	12.46
40)	TM	Benzene	1.540	1.546	1.507	1.509	1.448	1.494	1.507	2.35
41)	T	Methacrylonitrile	0.184	0.238	0.232	0.239	0.246	0.235	0.229	9.89
42)	TM	1,2-Dichloroet...	0.459	0.503	0.492	0.493	0.494	0.488	0.488	3.10
43)	T	Isopropyl Acetate	1.297	1.009	0.895	0.820	0.756	0.786	0.927	21.85
44)	TM	Trichloroethene	0.387	0.341	0.338	0.345	0.335	0.339	0.348	5.66
45)	C	1,2-Dichloropr...	0.330	0.373	0.357	0.358	0.348	0.356	0.354	3.95#
46)	T	Dibromomethane	0.247	0.260	0.244	0.257	0.244	0.245	0.250	2.89
47)	T	Bromodichlorom...	0.530	0.529	0.522	0.526	0.521	0.528	0.526	0.70
48)	T	Methyl methacr...	0.277	0.335	0.336	0.339	0.346	0.355	0.331	8.32
49)	T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.006	0.006	0.006	8.90
50)	S	Toluene-d8		1.217	1.231	1.216	1.303	1.267	1.247	3.02
51)	T	4-Methyl-2-Pen...	0.344	0.412	0.417	0.416	0.423	0.424	0.406	7.59
52)	CM	Toluene	0.757	0.891	0.902	0.919	0.899	0.923	0.882	7.07#
53)	T	t-1,3-Dichloro...	0.555	0.547	0.532	0.538	0.543	0.552	0.544	1.60
54)	T	cis-1,3-Dichlo...	0.548	0.584	0.569	0.582	0.581	0.592	0.576	2.69
55)	T	1,1,2-Trichlor...	0.309	0.342	0.342	0.334	0.329	0.336	0.332	3.72

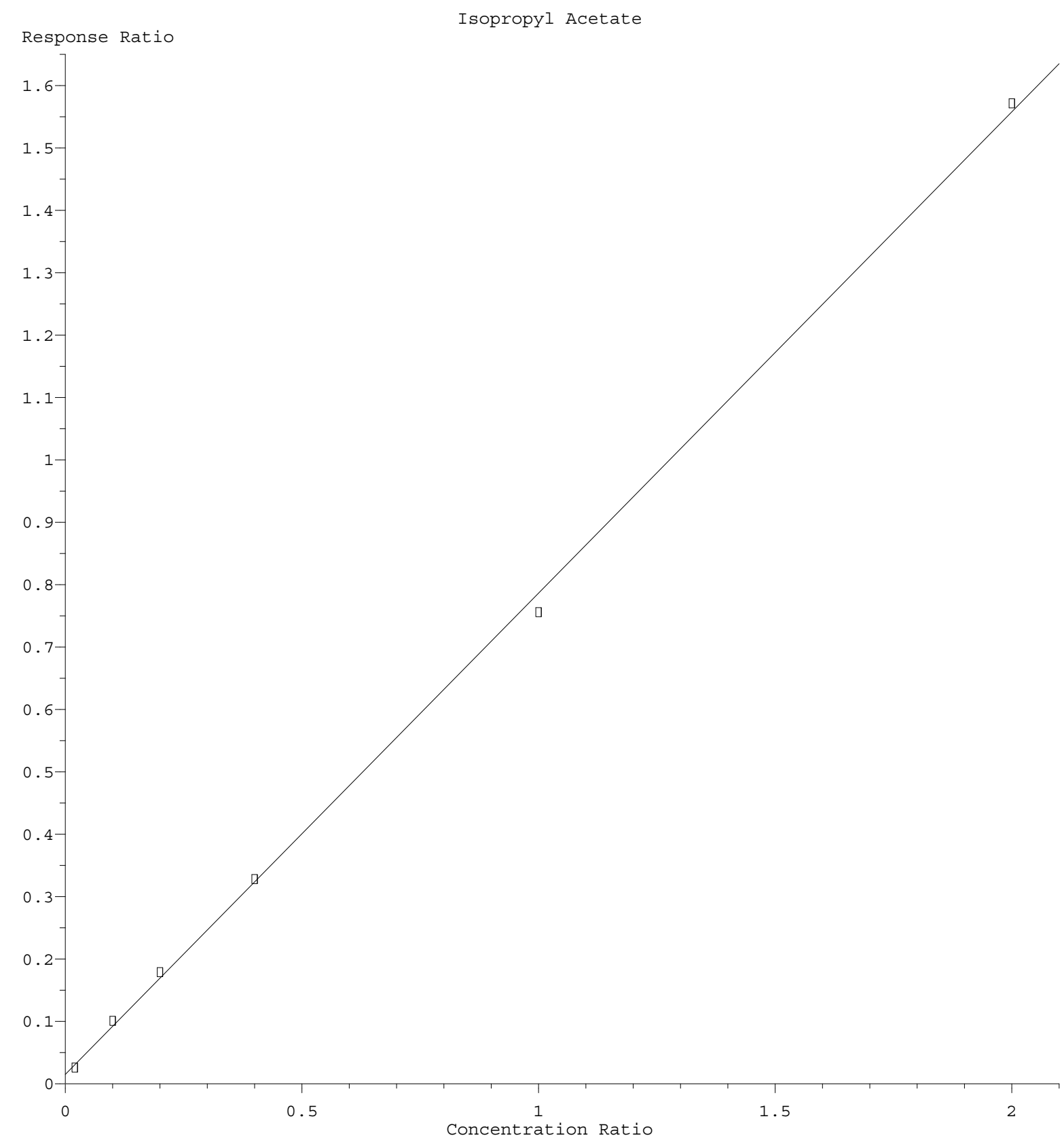
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M

56)	T	Ethyl methacry...	0.371	0.449	0.477	0.495	0.539	0.550	0.480	13.66
57)	T	1,3-Dichloropr...	0.527	0.598	0.573	0.579	0.565	0.577	0.570	4.16
58)	T	2-Chloroethyl ...	0.167	0.202	0.214	0.229	0.262	0.275	0.225	17.62
59)	T	2-Hexanone	0.256	0.294	0.297	0.301	0.312	0.314	0.296	7.11
60)	T	Dibromochlorom...	0.312	0.377	0.393	0.391	0.394	0.404	0.378	8.92
61)	T	1,2-Dibromoethane	0.336	0.355	0.335	0.341	0.333	0.340	0.340	2.38
62)	S	4-Bromofluorob...		0.454	0.451	0.450	0.493	0.481	0.466	4.26
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.325	0.351	0.347	0.333	0.313	0.326	0.333	4.29
65)	PM	Chlorobenzene	1.146	1.164	1.123	1.149	1.061	1.068	1.119	3.93
66)	T	1,1,1,2-Tetrac...	0.399	0.404	0.390	0.392	0.375	0.375	0.389	3.01
67)	C	Ethyl Benzene	1.697	1.849	1.880	1.928	1.891	1.957	1.867	4.90#
68)	T	m/p-Xylenes	0.654	0.683	0.701	0.737	0.728	0.737	0.707	4.76
69)	T	o-Xylene	0.550	0.645	0.679	0.701	0.690	0.703	0.661	8.89
70)	T	Styrene	1.050	1.093	1.144	1.206	1.205	1.223	1.154	6.11
71)	P	Bromoform	0.286	0.302	0.289	0.298	0.295	0.287	0.293	2.26
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.188	3.402	3.605	3.701	3.570	3.558	3.504	5.21
74)	T	N-amyl acetate	1.223	1.572	1.527	1.552	1.528	1.546	1.491	8.88
75)	P	1,1,2,2-Tetrac...	1.222	1.317	1.190	1.163	1.073	1.052	1.170	8.39
76)	T	1,2,3-Trichlor...	1.246	1.013	1.020	0.958	0.887	0.873	0.999	13.58
77)	T	Bromobenzene	1.114	0.931	0.943	0.921	0.883	0.860	0.942	9.52
78)	T	n-propylbenzene	3.621	4.041	4.188	4.316	4.236	4.233	4.106	6.19
79)	T	2-Chlorotoluene	2.601	2.746	2.700	2.848	2.621	2.581	2.683	3.82
80)	T	1,3,5-Trimethy...	2.418	2.765	3.038	3.099	3.068	3.037	2.904	9.19
81)	T	trans-1,4-Dich...		0.431	0.446	0.423	0.401	0.406	0.421	4.33
82)	T	4-Chlorotoluene	3.049	2.848	2.822	2.838	2.716	2.667	2.823	4.70
83)	T	tert-Butylbenzene	1.893	2.271	2.461	2.648	2.531	2.617	2.403	11.81
84)	T	1,2,4-Trimethy...	2.579	2.766	3.075	3.265	3.148	3.151	2.997	8.86
85)	T	sec-Butylbenzene	2.962	3.145	3.517	3.608	3.538	3.600	3.395	8.04
86)	T	p-Isopropyltol...	2.218	2.518	2.843	3.003	3.050	3.075	2.784	12.43
87)	T	1,3-Dichlorobe...	2.264	1.884	1.802	1.770	1.668	1.642	1.838	12.33
88)	T	1,4-Dichlorobe...	2.773	1.879	1.867	1.782	1.674	1.646	1.937	21.72
89)	T	n-Butylbenzene	2.747	2.454	2.457	2.623	2.619	2.728	2.605	4.88
90)	T	Hexachloroethane	0.681	0.626	0.633	0.617	0.589	0.578	0.621	5.88
91)	T	1,2-Dichlorobe...	2.021	1.879	1.732	1.748	1.618	1.601	1.766	9.07
92)	T	1,2-Dibromo-3-...	0.272	0.274	0.226	0.229	0.217	0.204	0.237	12.28
93)	T	1,2,4-Trichlor...	1.353	0.956	0.881	0.895	0.865	0.852	0.967	19.90
94)	T	Hexachlorobuta...	0.551	0.438	0.403	0.426	0.369	0.359	0.425	16.33
95)	T	Naphthalene	3.355	2.788	2.710	2.953	2.780	2.778	2.894	8.29
96)	T	1,2,3-Trichlor...	1.189	0.939	0.877	0.953	0.841	0.832	0.939	14.09

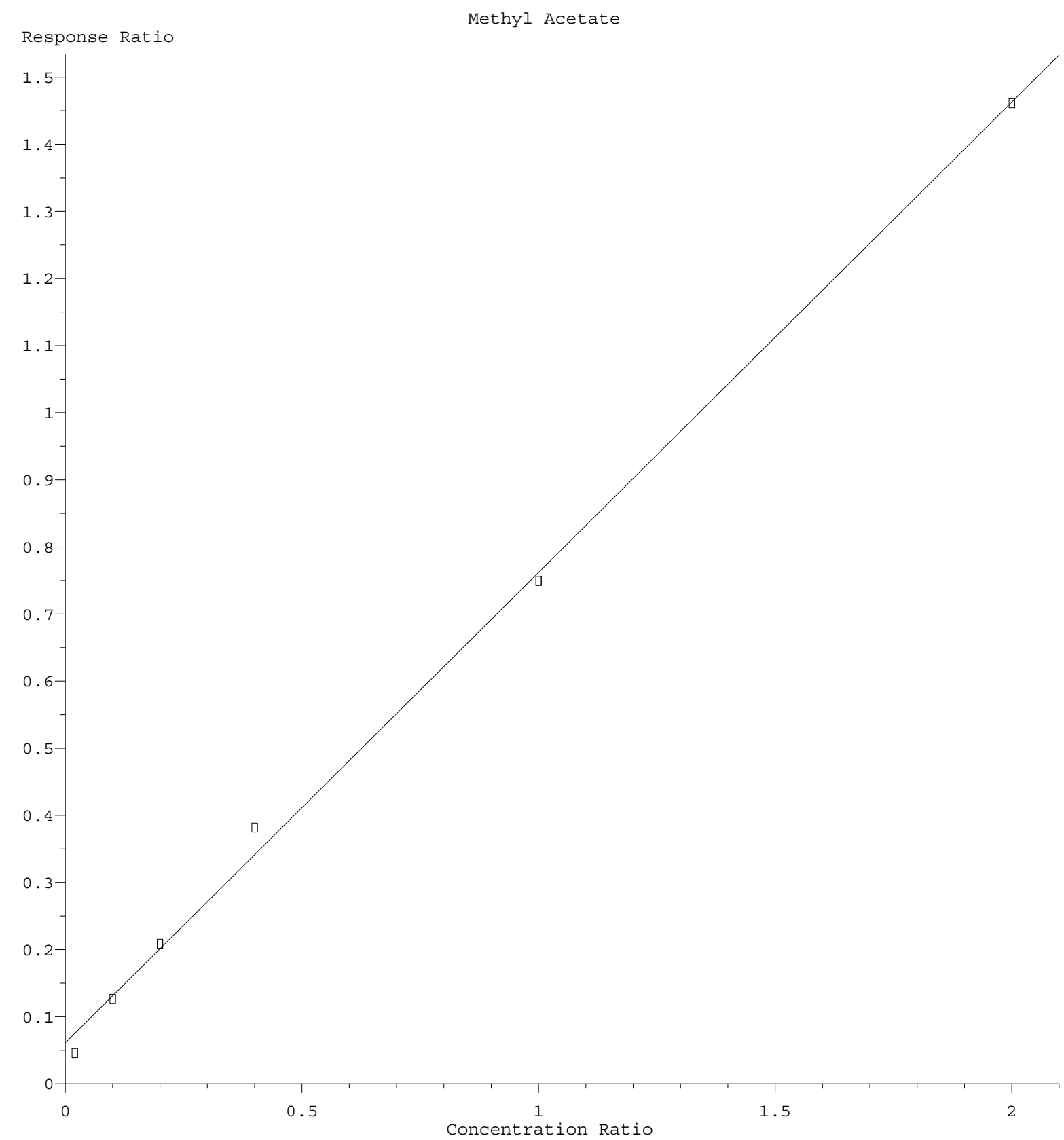
(#) = Out of Range



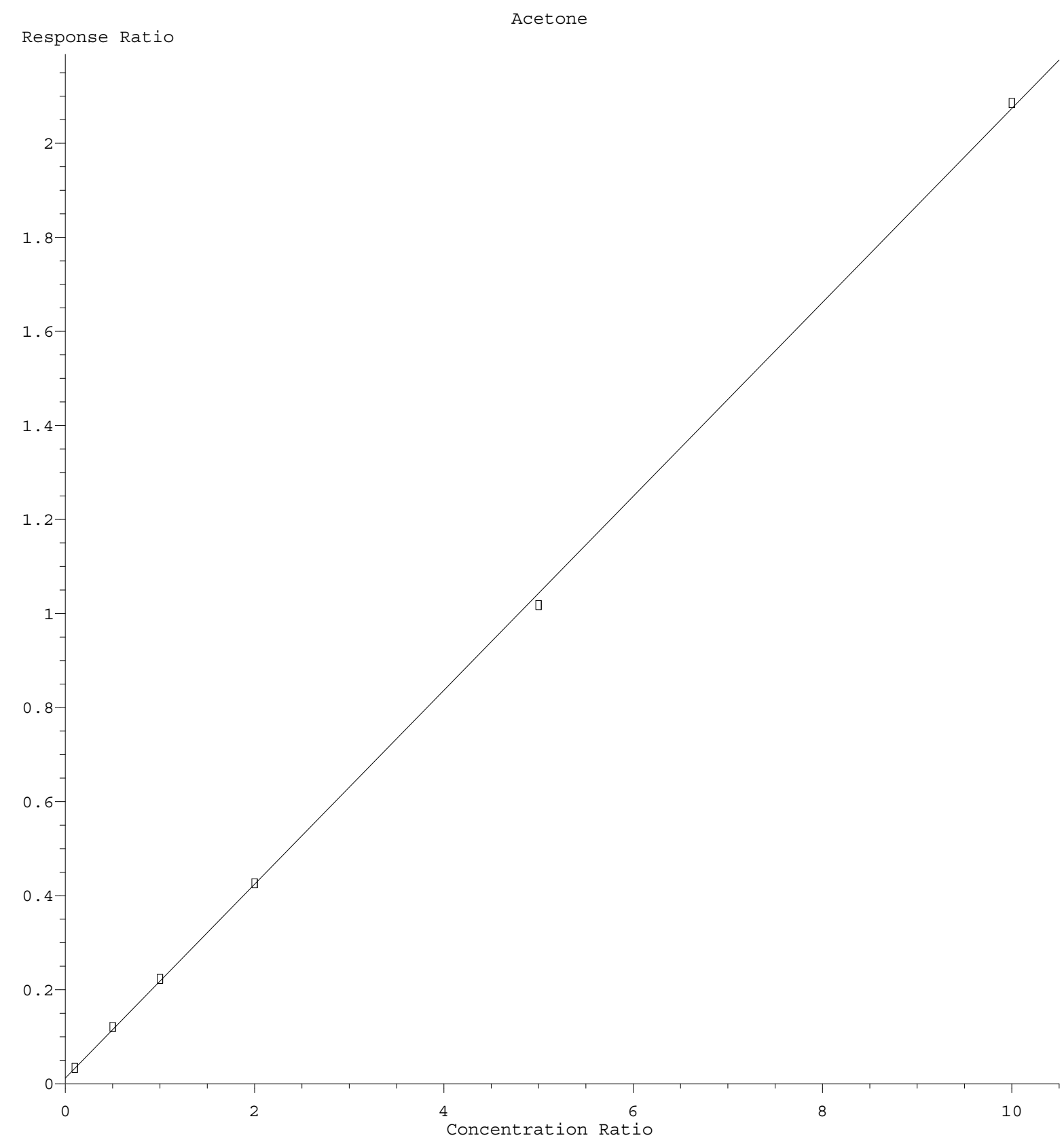
R = -2.647e-002 A*A + 1.683e+000 A + 2.851e-002
Coef of Det (r^2) = 0.999927 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



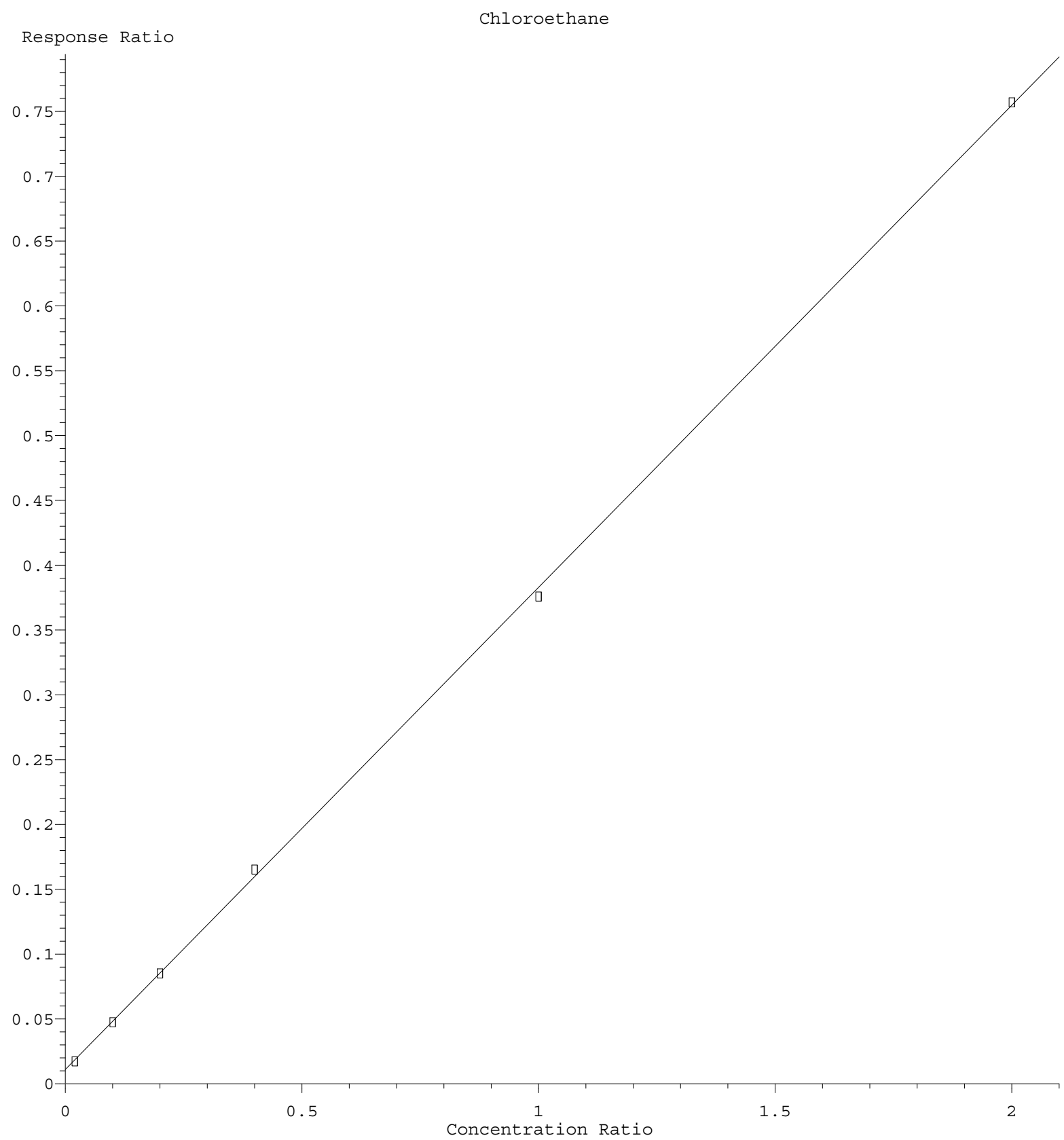
Response = 7.716e-001 * Amt + 1.519e-002
Coef of Det (r^2) = 0.999234 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



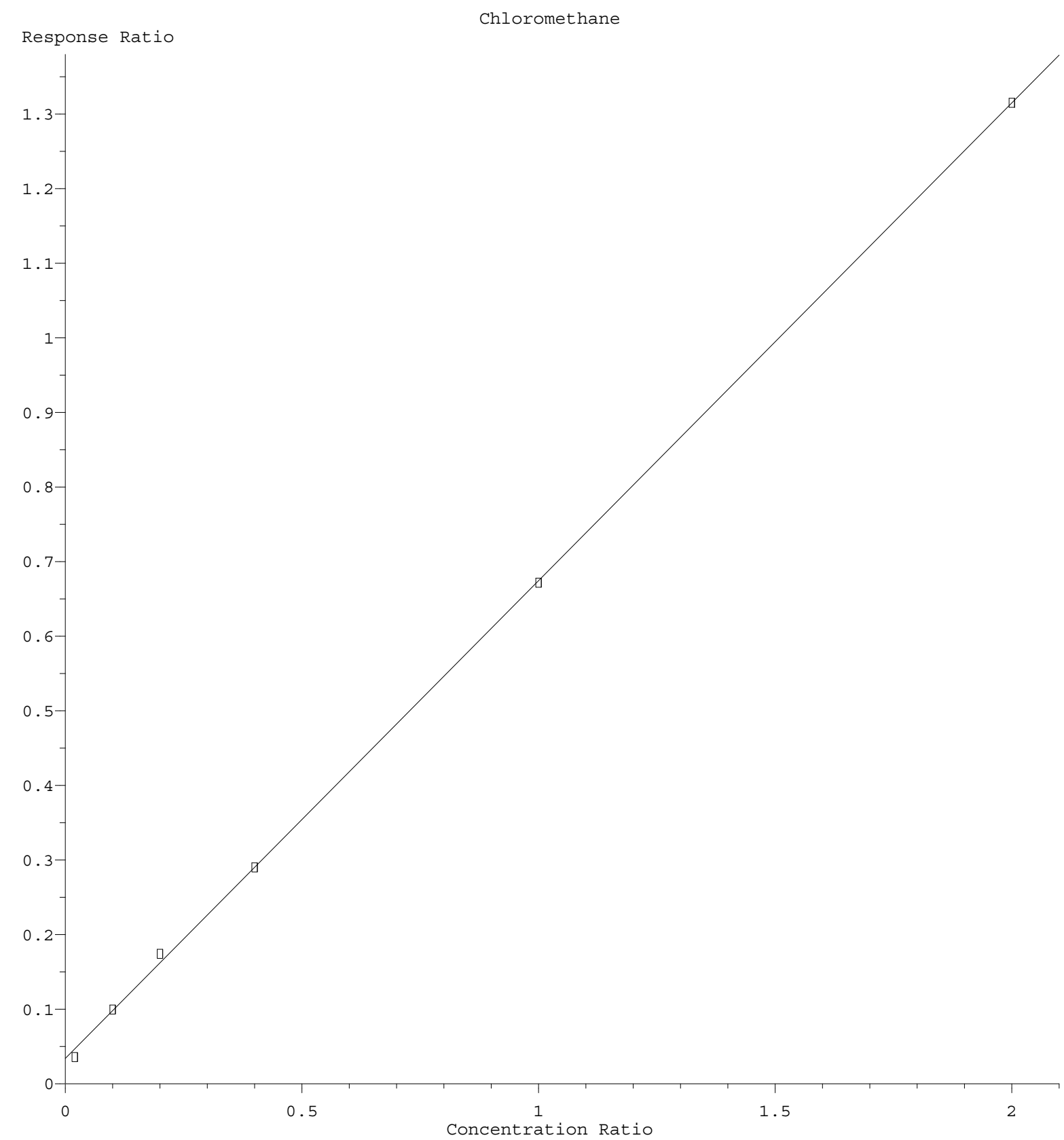
Response = 7.012e-001 * Amt + 6.084e-002
Coef of Det (r^2) = 0.998099 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 2.062e-001 * Amt + 1.190e-002
Coef of Det (r^2) = 0.999735 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 3.720e-001 * Amt + 1.067e-002
Coef of Det (r^2) = 0.999785 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 6.405e-001 * Amt + 3.399e-002
Coef of Det (r^2) = 0.999766 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258269	95.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.800%#			
35) Dibromofluoromethane	8.165	113	206417	98.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.240%#			
50) Toluene-d8	10.565	98	783727	101.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 203.300%#			
62) 4-Bromofluorobenzene	12.847	95	297647	103.292	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	214094	99.364	ug/l	93
3) Chloromethane	2.359	50	246492	100.015	ug/l	97
4) Vinyl Chloride	2.512	62	229760	99.144	ug/l	99
5) Bromomethane	2.901	94	109436	89.128	ug/l	97
6) Chloroethane	3.071	64	141883	100.310	ug/l	98
7) Trichlorofluoromethane	3.465	101	363937	95.335	ug/l	100
8) Diethyl Ether	3.953	74	131399	97.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	212244	98.394	ug/l	99
10) Methyl Iodide	4.577	142	272990	94.692	ug/l	96
11) Tert butyl alcohol	5.547	59	153595	429.840	ug/l	100
12) 1,1-Dichloroethene	4.324	96	205332	96.200	ug/l	98
13) Acrolein	4.171	56	161607	453.545	ug/l	100
14) Allyl chloride	5.012	41	350014	101.116	ug/l	92
15) Acrylonitrile	5.712	53	494070	477.613	ug/l	100
16) Acetone	4.424	43	390888	502.753	ug/l	98
17) Carbon Disulfide	4.700	76	601202	91.464	ug/l	99
18) Methyl Acetate	5.018	43	273870	99.857	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	664800	101.618	ug/l	99
20) Methylene Chloride	5.271	84	226231	95.017	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	211649	96.569	ug/l	93
22) Diisopropyl ether	6.665	45	696527	101.268	ug/l	99
23) Vinyl Acetate	6.600	43	2441301	514.697	ug/l	99
24) 1,1-Dichloroethane	6.559	63	399999	96.866	ug/l	98
25) 2-Butanone	7.483	43	591863	468.634	ug/l	98
26) 2,2-Dichloropropane	7.483	77	362927	100.979	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	252932	98.835	ug/l	96
28) Bromochloromethane	7.812	49	180881	109.944	ug/l	96
29) Tetrahydrofuran	7.835	42	415033	495.347	ug/l	97
30) Chloroform	7.959	83	412084	98.045	ug/l	100
31) Cyclohexane	8.253	56	358350	95.881	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	374940	98.012	ug/l	98
36) 1,1-Dichloropropene	8.365	75	294131	101.323	ug/l	99
37) Ethyl Acetate	7.559	43	262200	99.553	ug/l	98
38) Carbon Tetrachloride	8.359	117	327651	100.981	ug/l	98
39) Methylcyclohexane	9.600	83	337677	114.344	ug/l	97
40) Benzene	8.600	78	924038	99.119	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	145041	102.406 ug/l	95
42) 1,2-Dichloroethane	8.665	62	301932	100.005 ug/l	100
43) Isopropyl Acetate	8.688	43	485962	100.857 ug/l	99
44) Trichloroethene	9.347	130	209438	97.413 ug/l	98
45) 1,2-Dichloropropane	9.618	63	220258	100.718 ug/l	95
46) Dibromomethane	9.706	93	151661	98.281 ug/l	98
47) Bromodichloromethane	9.888	83	326466	100.364 ug/l #	96
48) Methyl methacrylate	9.677	41	219838	107.249 ug/l	98
49) 1,4-Dioxane	9.694	88	76189	2097.505 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1312148	522.607 ug/l	99
52) Toluene	10.629	92	570832	104.696 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	341196	101.334 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	366358	102.804 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	207689	101.124 ug/l	97
56) Ethyl methacrylate	10.871	69	340367	114.573 ug/l	97
57) 1,3-Dichloropropane	11.165	76	357131	101.320 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	849817	611.330 ug/l	98
59) 2-Hexanone	11.194	43	971064	531.346 ug/l	97
60) Dibromochloromethane	11.359	129	249733	106.691 ug/l	99
61) 1,2-Dibromoethane	11.471	107	210043	99.870 ug/l	100
64) Tetrachloroethene	11.100	164	184478	98.169 ug/l	96
65) Chlorobenzene	11.888	112	603595	95.500 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	212055	96.458 ug/l	99
67) Ethyl Benzene	11.965	91	1106035	104.837 ug/l	99
68) m/p-Xylenes	12.070	106	832448	208.419 ug/l	99
69) o-Xylene	12.400	106	397449	106.372 ug/l	100
70) Styrene	12.412	104	691175	106.042 ug/l	98
71) Bromoform	12.582	173	162189	98.044 ug/l #	97
73) Isopropylbenzene	12.694	105	1015352	101.533 ug/l	100
74) N-amyl acetate	12.494	43	441232	103.666 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	300162	89.924 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	249062m	88.446 ug/l	
77) Bromobenzene	12.982	156	245558	91.341 ug/l	94
78) n-propylbenzene	13.035	91	1208185	103.100 ug/l	98
79) 2-Chlorotoluene	13.123	91	736738	96.217 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	866736	104.573 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	115847	96.347 ug/l	98
82) 4-Chlorotoluene	13.217	91	761196	94.462 ug/l	99
83) tert-Butylbenzene	13.435	119	746926	108.888 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	899374	105.136 ug/l	99
85) sec-Butylbenzene	13.617	105	1027413	106.032 ug/l	99
86) p-Isopropyltoluene	13.729	119	877717	110.451 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	468620	89.320 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	469714	100.067 ug/l	98
89) n-Butylbenzene	14.053	91	778487	104.727 ug/l	100
90) Hexachloroethane	14.335	117	165030	93.123 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	456925	90.631 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	58247	86.136 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	243087	88.091 ug/l	99
94) Hexachlorobutadiene	15.500	225	102558	84.631 ug/l	99
95) Naphthalene	15.641	128	792903	95.997 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	237515	88.667 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 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

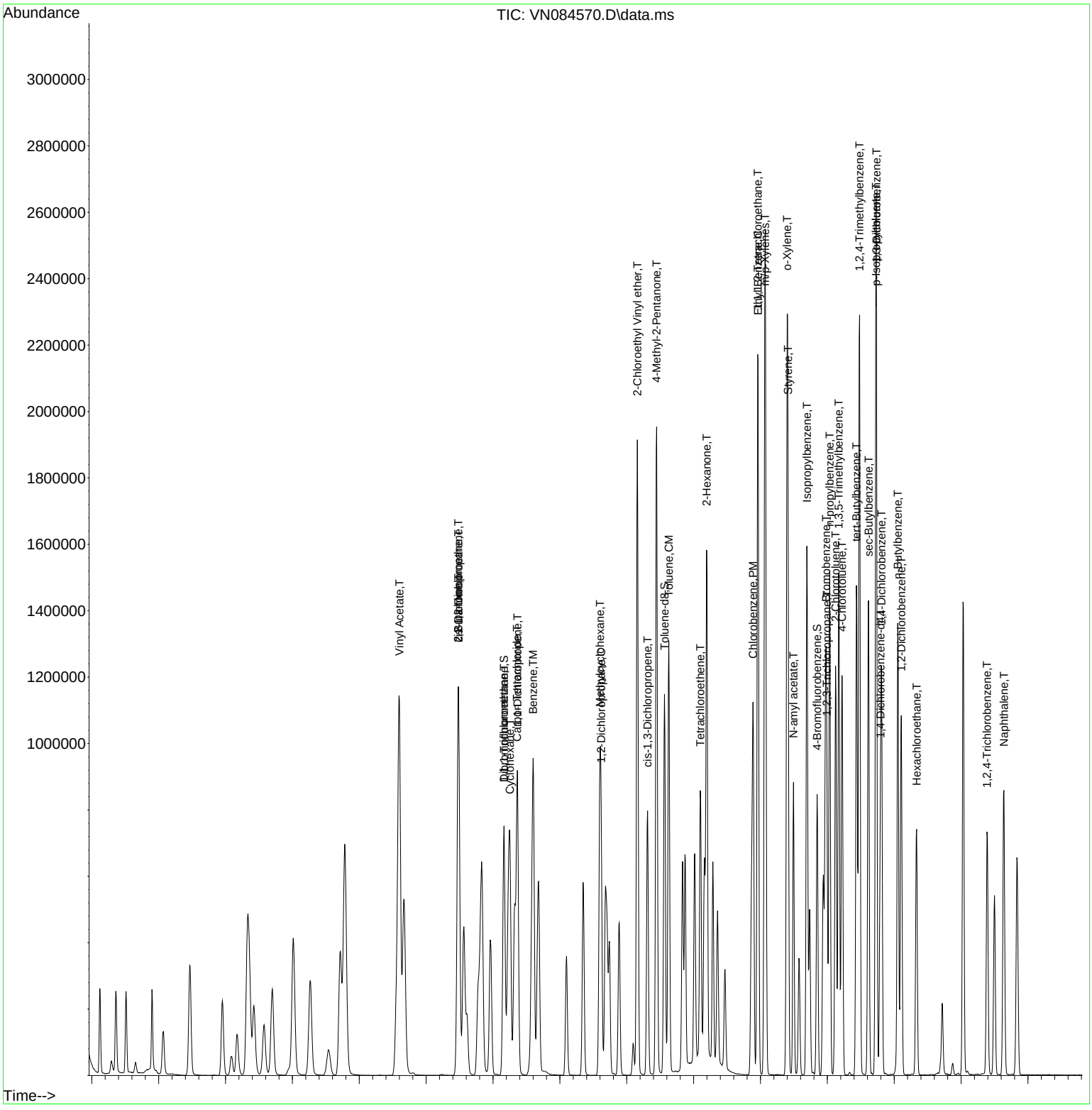
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	186594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134521	49.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.820%			
35) Dibromofluoromethane	8.165	113	107131	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	405874	52.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.847	95	153622	52.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	103092	48.061	ug/l	97
3) Chloromethane	2.365	50	125344	49.788	ug/l	95
4) Vinyl Chloride	2.512	62	112961	48.962	ug/l	95
5) Bromomethane	2.901	94	55194	45.153	ug/l	100
6) Chloroethane	3.071	64	70126	49.078	ug/l	96
7) Trichlorofluoromethane	3.471	101	178947	47.086	ug/l	97
8) Diethyl Ether	3.953	74	65946	49.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	103864	48.366	ug/l	98
10) Methyl Iodide	4.583	142	137274	47.829	ug/l	97
11) Tert butyl alcohol	5.536	59	80598	226.565	ug/l	100
12) 1,1-Dichloroethene	4.324	96	100445	47.270	ug/l	96
13) Acrolein	4.171	56	82129	231.524	ug/l	99
14) Allyl chloride	5.012	41	171045	49.635	ug/l	92
15) Acrylonitrile	5.718	53	252853	245.525	ug/l	98
16) Acetone	4.424	43	189949	243.925	ug/l	99
17) Carbon Disulfide	4.700	76	299041	45.698	ug/l	99
18) Methyl Acetate	5.024	43	139826	49.097	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	328099	50.376	ug/l	97
20) Methylene Chloride	5.271	84	112282	47.370	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	105050	48.146	ug/l	96
22) Diisopropyl ether	6.671	45	346126	50.549	ug/l	98
23) Vinyl Acetate	6.600	43	1212022	256.673	ug/l	99
24) 1,1-Dichloroethane	6.559	63	198817	48.362	ug/l	100
25) 2-Butanone	7.483	43	294207	233.994	ug/l	98
26) 2,2-Dichloropropane	7.483	77	175511	49.052	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123436	48.450	ug/l	97
28) Bromochloromethane	7.812	49	95269	58.166	ug/l	95
29) Tetrahydrofuran	7.835	42	206980	248.139	ug/l	97
30) Chloroform	7.965	83	202589	48.417	ug/l	98
31) Cyclohexane	8.253	56	175038	47.043	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	184986	48.573	ug/l	98
36) 1,1-Dichloropropene	8.365	75	140593	48.071	ug/l	99
37) Ethyl Acetate	7.553	43	131332	49.493	ug/l	99
38) Carbon Tetrachloride	8.359	117	160134	48.985	ug/l	97
39) Methylcyclohexane	9.600	83	158489	53.267	ug/l	99
40) Benzene	8.600	78	451074	48.024	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76791	53.814 ug/l	97
42) 1,2-Dichloroethane	8.665	62	153960	50.614 ug/l	100
43) Isopropyl Acetate	8.688	43	235517	48.004 ug/l	99
44) Trichloroethene	9.353	130	104498	48.241 ug/l	98
45) 1,2-Dichloropropane	9.618	63	108302	49.154 ug/l	95
46) Dibromomethane	9.706	93	76019	48.895 ug/l	97
47) Bromodichloromethane	9.888	83	162307	49.525 ug/l	97
48) Methyl methacrylate	9.677	41	107828	52.212 ug/l	98
49) 1,4-Dioxane	9.694	88	37719	1030.669 ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	658351	260.254 ug/l	98
52) Toluene	10.629	92	280034	50.978 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	169085	49.843 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	180909	50.386 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	102401	49.487 ug/l	98
56) Ethyl methacrylate	10.871	69	168060	56.150 ug/l	96
57) 1,3-Dichloropropane	11.159	76	175929	49.539 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	407857	291.210 ug/l	97
59) 2-Hexanone	11.194	43	485391	263.615 ug/l	98
60) Dibromochloromethane	11.359	129	122816	52.078 ug/l	98
61) 1,2-Dibromoethane	11.465	107	103901	49.034 ug/l	98
64) Tetrachloroethene	11.100	164	87457	47.088 ug/l	96
65) Chlorobenzene	11.888	112	296199	47.416 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	104844	48.252 ug/l	99
67) Ethyl Benzene	11.965	91	528107	50.646 ug/l	100
68) m/p-Xylenes	12.070	106	406816	103.053 ug/l	98
69) o-Xylene	12.394	106	192710	52.183 ug/l	99
70) Styrene	12.412	104	336570	52.245 ug/l	99
71) Bromoform	12.576	173	82245	50.303 ug/l #	99
73) Isopropylbenzene	12.694	105	493742	50.942 ug/l	99
74) N-amyl acetate	12.494	43	211326	51.228 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148441	45.884 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	122649m	44.939 ug/l	
77) Bromobenzene	12.982	156	122062	46.847 ug/l	95
78) n-propylbenzene	13.035	91	585903	51.587 ug/l	100
79) 2-Chlorotoluene	13.123	91	362526	48.850 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	424332	52.823 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55485	47.612 ug/l	92
82) 4-Chlorotoluene	13.217	91	375636	48.097 ug/l	99
83) tert-Butylbenzene	13.435	119	350031	52.649 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	435421	52.518 ug/l	99
85) sec-Butylbenzene	13.612	105	489305	52.102 ug/l	100
86) p-Isopropyltoluene	13.729	119	421834	54.770 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	230686	45.366 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	231568	49.658 ug/l	98
89) n-Butylbenzene	14.053	91	362215	50.276 ug/l	99
90) Hexachloroethane	14.335	117	81515	47.459 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	223772	45.796 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	29987	45.754 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	119579	44.711 ug/l	99
94) Hexachlorobutadiene	15.500	225	51033	43.451 ug/l	98
95) Naphthalene	15.635	128	384553	48.037 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	116341	44.812 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 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

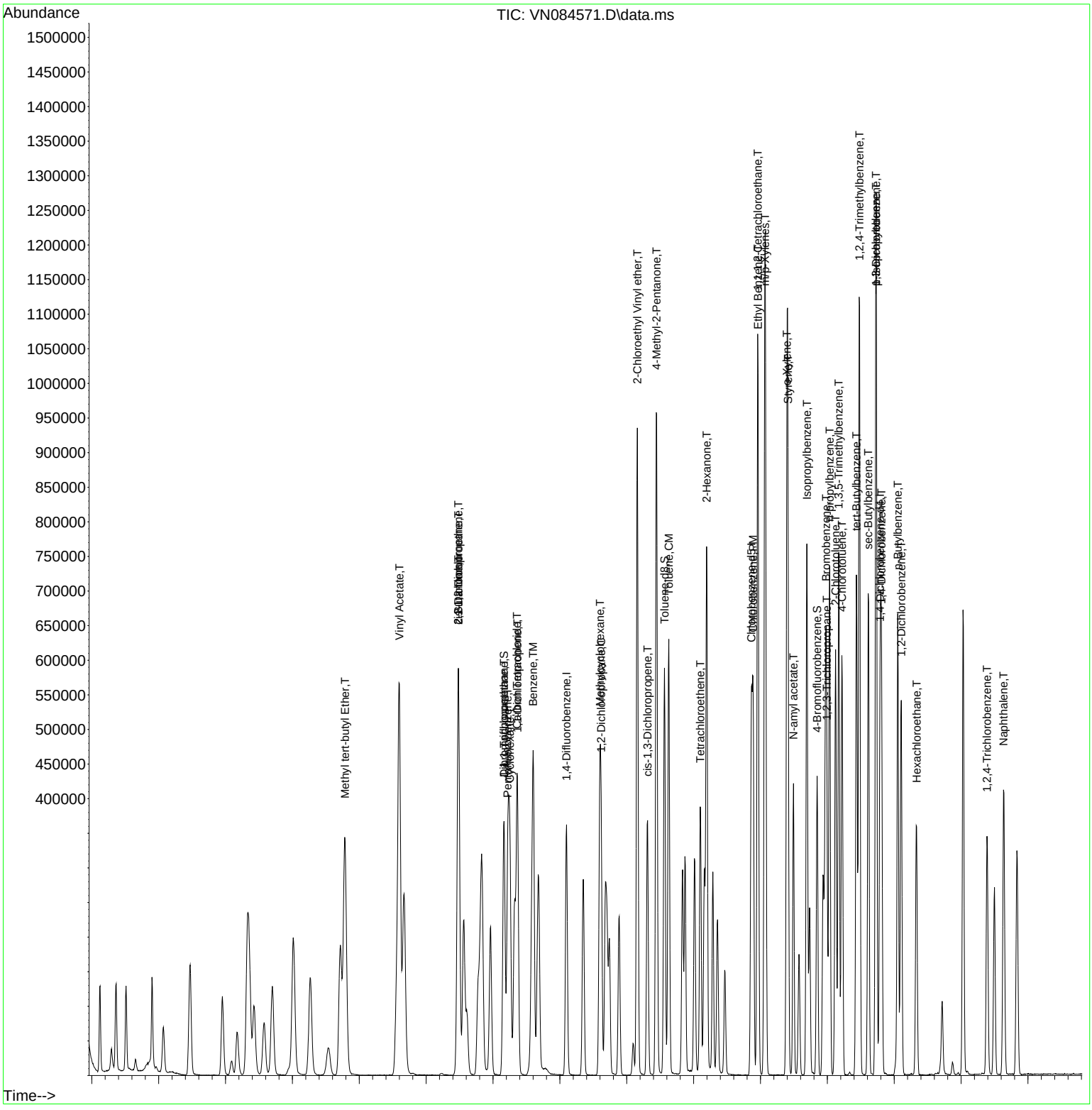
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	187576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	53102	19.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.200%#		
35) Dibromofluoromethane	8.165	113	41686	19.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.500%#		
50) Toluene-d8	10.565	98	155563	19.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.000%#		
62) 4-Bromofluorobenzene	12.847	95	57622	19.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41443	19.219	ug/l	99
3) Chloromethane	2.359	50	54414	19.993	ug/l	97
4) Vinyl Chloride	2.512	62	46710	20.140	ug/l	93
5) Bromomethane	2.901	94	23244	18.916	ug/l	100
6) Chloroethane	3.042	64	30992	20.772	ug/l	94
7) Trichlorofluoromethane	3.442	101	76339	19.982	ug/l	96
8) Diethyl Ether	3.948	74	26904	19.963	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.342	101	42830	19.840	ug/l	99
10) Methyl Iodide	4.565	142	57315	19.865	ug/l	96
11) Tert butyl alcohol	5.559	59	33927	94.871	ug/l	99
12) 1,1-Dichloroethene	4.318	96	41980	19.653	ug/l	89
13) Acrolein	4.171	56	38007	106.582	ug/l	96
14) Allyl chloride	5.006	41	70420	20.328	ug/l	92
15) Acrylonitrile	5.718	53	105912	102.304	ug/l	97
16) Acetone	4.430	43	79971	100.481	ug/l	99
17) Carbon Disulfide	4.689	76	127521	19.385	ug/l	98
18) Methyl Acetate	5.024	43	71604	22.882	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	135170	20.645	ug/l	100
20) Methylene Chloride	5.271	84	47467	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.771	96	44697	20.378	ug/l	93
22) Diisopropyl ether	6.671	45	144115	20.937	ug/l	97
23) Vinyl Acetate	6.594	43	490034	103.232	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83555	20.218	ug/l	97
25) 2-Butanone	7.483	43	130541	103.281	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73066	20.313	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	52279	20.412	ug/l	97
28) Bromochloromethane	7.806	49	29146	17.702	ug/l	91
29) Tetrahydrofuran	7.836	42	86837	103.560	ug/l	97
30) Chloroform	7.959	83	85675	20.368	ug/l	100
31) Cyclohexane	8.247	56	71698	19.169	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	78458	20.493	ug/l	97
36) 1,1-Dichloropropene	8.371	75	60208	20.050	ug/l	99
37) Ethyl Acetate	7.559	43	54942	20.165	ug/l	97
38) Carbon Tetrachloride	8.359	117	68076	20.282	ug/l	98
39) Methylcyclohexane	9.600	83	63305	20.722	ug/l	93
40) Benzene	8.600	78	193129	20.026	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	30596	20.882 ug/l		97
42) 1,2-Dichloroethane	8.665	62	63026	20.180 ug/l		99
43) Isopropyl Acetate	8.688	43	104951	20.277 ug/l		98
44) Trichloroethene	9.347	130	44176	19.862 ug/l		99
45) 1,2-Dichloropropane	9.618	63	45764	20.229 ug/l		93
46) Dibromomethane	9.706	93	32857	20.583 ug/l		99
47) Bromodichloromethane	9.888	83	67288	19.997 ug/l	#	98
48) Methyl methacrylate	9.682	41	43398	20.466 ug/l		97
49) 1,4-Dioxane	9.700	88	15417	410.291 ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	266010	102.417 ug/l		100
52) Toluene	10.629	92	117530	20.838 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	68847	19.766 ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74498	20.208 ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	42791	20.141 ug/l		95
56) Ethyl methacrylate	10.871	69	63347	20.613 ug/l		96
57) 1,3-Dichloropropane	11.159	76	74082	20.317 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	146372	101.786 ug/l		98
59) 2-Hexanone	11.194	43	192335	101.735 ug/l		99
60) Dibromochloromethane	11.359	129	50039	20.665 ug/l		99
61) 1,2-Dibromoethane	11.465	107	43666	20.070 ug/l		100
64) Tetrachloroethene	11.106	164	36798	20.054 ug/l		92
65) Chlorobenzene	11.888	112	126753	20.539 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	43201	20.125 ug/l		99
67) Ethyl Benzene	11.965	91	212737	20.651 ug/l		99
68) m/p-Xylenes	12.071	106	162754	41.732 ug/l		99
69) o-Xylene	12.400	106	77396	21.214 ug/l		99
70) Styrene	12.412	104	133059	20.907 ug/l		96
71) Bromoform	12.576	173	32901	20.369 ug/l	#	99
73) Isopropylbenzene	12.694	105	193023	21.127 ug/l		100
74) N-amyl acetate	12.494	43	80939	20.815 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	60645	19.886 ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	49947m	19.414 ug/l		
77) Bromobenzene	12.976	156	48017	19.550 ug/l		97
78) n-propylbenzene	13.035	91	225085	21.024 ug/l		99
79) 2-Chlorotoluene	13.123	91	148533	21.233 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	161619	21.343 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22047	20.070 ug/l	#	85
82) 4-Chlorotoluene	13.218	91	147989	20.102 ug/l		100
83) tert-Butylbenzene	13.435	119	138079	22.033 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	170246	21.783 ug/l		99
85) sec-Butylbenzene	13.618	105	188158	21.255 ug/l		100
86) p-Isopropyltoluene	13.729	119	156598	21.569 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	92310	19.258 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	92940	20.458 ug/l		99
89) n-Butylbenzene	14.053	91	136771	20.139 ug/l		99
90) Hexachloroethane	14.329	117	32199	19.887 ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	91138	19.787 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11962	19.362 ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	46698	18.523 ug/l		96
94) Hexachlorobutadiene	15.500	225	22216	20.066 ug/l		96
95) Naphthalene	15.635	128	153972	20.404 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	49699	20.308 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 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

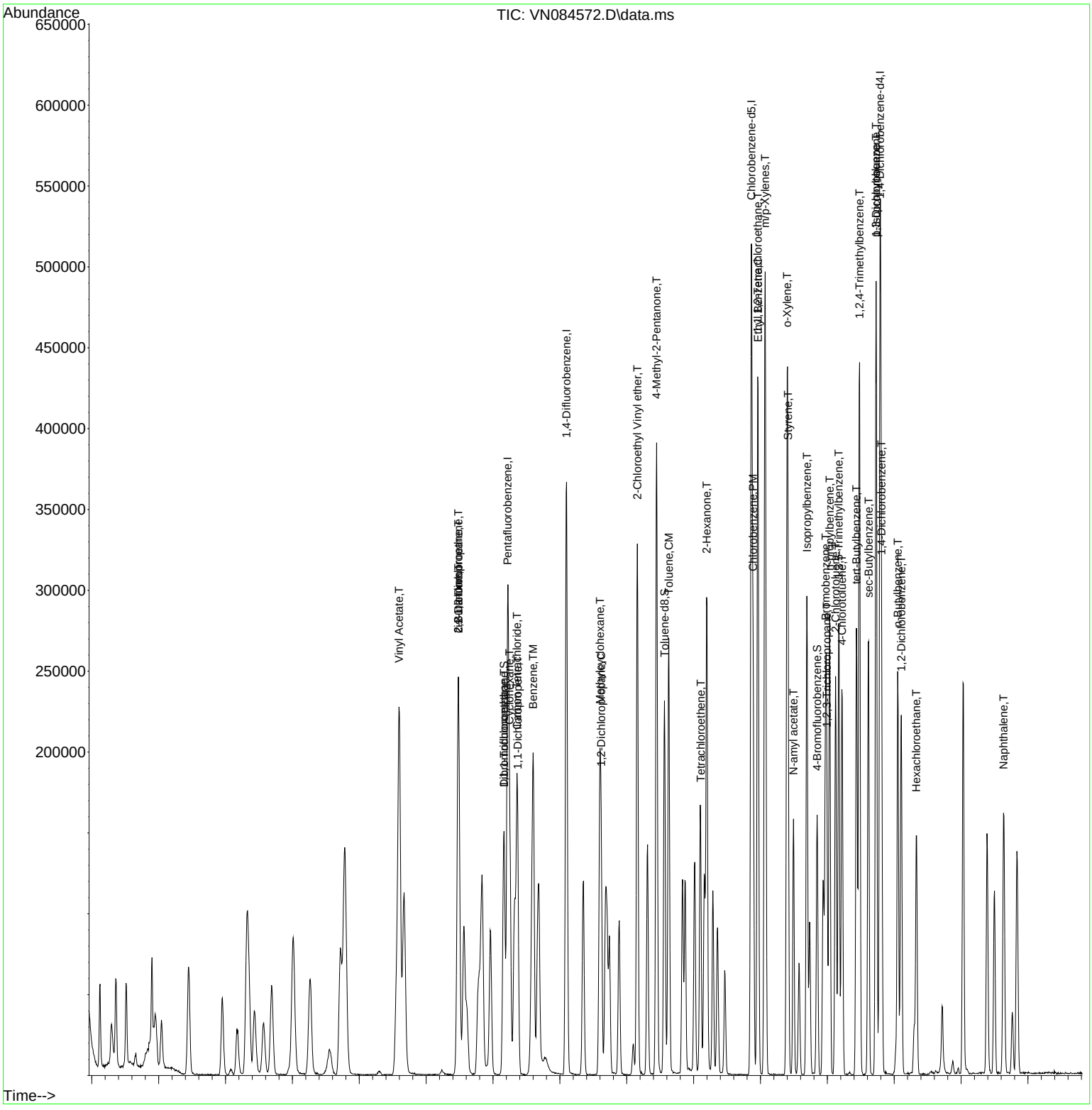
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	179863	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	312244	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	270408	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127178	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65	25986	10.003	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.000%#				
35) Dibromofluoromethane	8.159	113	20969	9.921	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.840%#				
50) Toluene-d8	10.565	98	76892	9.876	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.760%#				
62) 4-Bromofluorobenzene	12.847	95	28191	9.689	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	21501	10.399	ug/l		96
3) Chloromethane	2.359	50	31342	10.950	ug/l		98
4) Vinyl Chloride	2.512	62	22896	10.295	ug/l		93
5) Bromomethane	2.901	94	12071	10.245	ug/l		95
6) Chloroethane	3.059	64	15315	10.010	ug/l	#	83
7) Trichlorofluoromethane	3.459	101	36747	10.031	ug/l		99
8) Diethyl Ether	3.953	74	13090	10.129	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.353	101	21028	10.158	ug/l		98
10) Methyl Iodide	4.577	142	28795	10.408	ug/l		97
11) Tert butyl alcohol	5.542	59	17899	52.198	ug/l	#	85
12) 1,1-Dichloroethene	4.324	96	20669	10.091	ug/l		87
13) Acrolein	4.177	56	17284	50.547	ug/l		99
14) Allyl chloride	5.012	41	33287	10.021	ug/l		93
15) Acrylonitrile	5.718	53	50731	51.104	ug/l		98
16) Acetone	4.430	43	40100	51.168	ug/l		93
17) Carbon Disulfide	4.695	76	61652	9.774	ug/l		97
18) Methyl Acetate	5.030	43	37538	10.544	ug/l		100
19) Methyl tert-butyl Ether	5.789	73	64007	10.195	ug/l		97
20) Methylene Chloride	5.265	84	23684	10.366	ug/l		94
21) trans-1,2-Dichloroethene	5.771	96	21581	10.261	ug/l		84
22) Diisopropyl ether	6.671	45	68672	10.404	ug/l	#	97
23) Vinyl Acetate	6.600	43	233407	51.279	ug/l		99
24) 1,1-Dichloroethane	6.565	63	40556	10.234	ug/l	#	95
25) 2-Butanone	7.483	43	60876	50.229	ug/l		96
26) 2,2-Dichloropropane	7.483	77	35189	10.203	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	24626	10.028	ug/l		99
28) Bromochloromethane	7.806	49	14918	9.449	ug/l	#	15
29) Tetrahydrofuran	7.841	42	42072	52.326	ug/l		99
30) Chloroform	7.965	83	41496	10.288	ug/l		97
31) Cyclohexane	8.247	56	37514	10.460	ug/l		96
32) 1,1,1-Trichloroethane	8.165	97	38612	10.518	ug/l		94
36) 1,1-Dichloropropene	8.371	75	29218	9.968	ug/l		99
37) Ethyl Acetate	7.559	43	25249	9.494	ug/l		96
38) Carbon Tetrachloride	8.359	117	34214	10.443	ug/l		95
39) Methylcyclohexane	9.600	83	30390	10.191	ug/l		96
40) Benzene	8.606	78	94121	9.999	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	14485	10.128 ug/l		96
42) 1,2-Dichloroethane	8.671	62	30752	10.087 ug/l		99
43) Isopropyl Acetate	8.688	43	55871	10.611 ug/l		94
44) Trichloroethene	9.353	130	21099	9.719 ug/l		98
45) 1,2-Dichloropropane	9.618	63	22314	10.105 ug/l		96
46) Dibromomethane	9.706	93	15211	9.762 ug/l		99
47) Bromodichloromethane	9.883	83	32612	9.929 ug/l	#	93
48) Methyl methacrylate	9.683	41	20961	10.127 ug/l		98
49) 1,4-Dioxane	9.700	88	7375	201.076 ug/l	#	76
51) 4-Methyl-2-Pentanone	10.447	43	130324	51.405 ug/l		99
52) Toluene	10.630	92	56321	10.230 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	33220	9.771 ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	35562	9.883 ug/l		92
55) 1,1,2-Trichloroethane	11.018	97	21367	10.303 ug/l		94
56) Ethyl methacrylate	10.871	69	29804	9.936 ug/l		98
57) 1,3-Dichloropropane	11.165	76	35790	10.056 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	66790	47.583 ug/l		97
59) 2-Hexanone	11.200	43	92772	50.273 ug/l		100
60) Dibromochloromethane	11.359	129	24541	10.383 ug/l		97
61) 1,2-Dibromoethane	11.471	107	20895	9.839 ug/l		97
64) Tetrachloroethene	11.100	164	18777	10.439 ug/l		94
65) Chlorobenzene	11.888	112	60746	10.041 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	21080	10.018 ug/l		98
67) Ethyl Benzene	11.965	91	101653	10.067 ug/l		99
68) m/p-Xylenes	12.071	106	75857	19.842 ug/l		100
69) o-Xylene	12.394	106	36696	10.261 ug/l		100
70) Styrene	12.412	104	61865	9.916 ug/l		98
71) Bromoform	12.576	173	15630	9.871 ug/l	#	95
73) Isopropylbenzene	12.694	105	91683	10.287 ug/l		98
74) N-amyl acetate	12.494	43	38841	10.240 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30270	10.175 ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	25940m	10.336 ug/l		
77) Bromobenzene	12.982	156	23987	10.012 ug/l		94
78) n-propylbenzene	13.035	91	106518	10.199 ug/l		99
79) 2-Chlorotoluene	13.123	91	68678	10.064 ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	77273	10.461 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	11334	10.577 ug/l		96
82) 4-Chlorotoluene	13.218	91	71787	9.996 ug/l		99
83) tert-Butylbenzene	13.435	119	62600	10.240 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	78207	10.258 ug/l		98
85) sec-Butylbenzene	13.612	105	89469	10.361 ug/l		99
86) p-Isopropyltoluene	13.729	119	72307	10.210 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	45832	9.802 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	47483	10.276 ug/l		97
89) n-Butylbenzene	14.053	91	62495	9.433 ug/l		100
90) Hexachloroethane	14.335	117	16100	10.194 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	44055	9.805 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5744	9.531 ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	22413	9.114 ug/l		97
94) Hexachlorobutadiene	15.494	225	10263	9.503 ug/l		97
95) Naphthalene	15.641	128	68919	9.363 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	22303	9.342 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 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

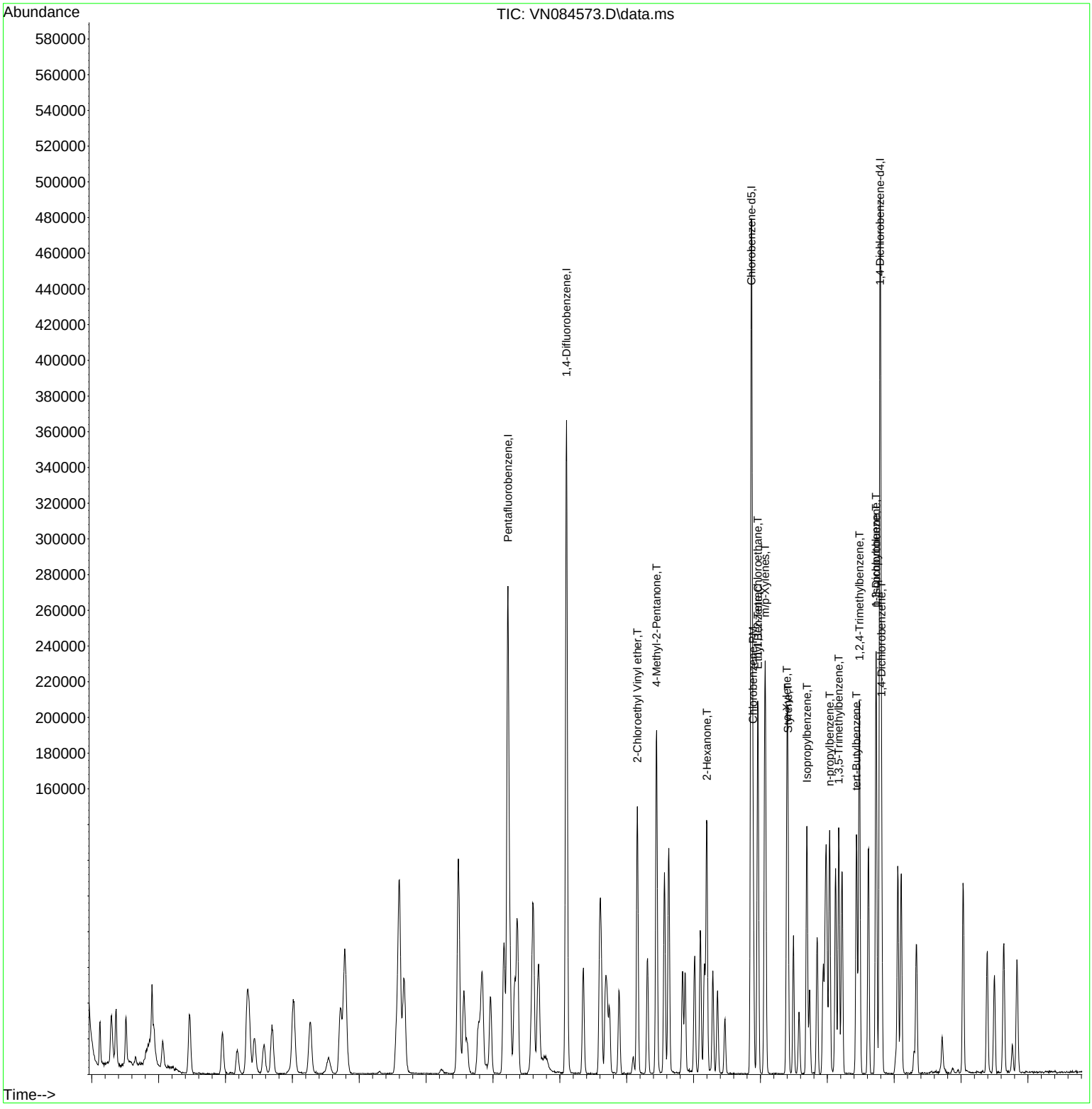
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	171598	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297777	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	254342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118229	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	13227	5.337	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.680%#			
35) Dibromofluoromethane	8.165	113	10512	5.215	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.440%#			
50) Toluene-d8	10.565	98	36225	4.879	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.760%#			
62) 4-Bromofluorobenzene	12.847	95	13506	4.867	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10192	5.167	ug/l		93
3) Chloromethane	2.360	50	17076	5.115	ug/l		97
4) Vinyl Chloride	2.513	62	11174	5.267	ug/l		96
5) Bromomethane	2.901	94	6944	6.177	ug/l		98
6) Chloroethane	3.060	64	8146	4.946	ug/l		98
7) Trichlorofluoromethane	3.460	101	18362	5.254	ug/l		98
8) Diethyl Ether	3.954	74	6372	5.168	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.348	101	10090	5.109	ug/l		99
10) Methyl Iodide	4.571	142	14021	5.312	ug/l	#	96
11) Tert butyl alcohol	5.536	59	10153	31.035	ug/l	#	87
12) 1,1-Dichloroethene	4.324	96	9474	4.848	ug/l		91
13) Acrolein	4.183	56	8890	27.251	ug/l		97
14) Allyl chloride	5.012	41	16771	5.292	ug/l		94
15) Acrylonitrile	5.724	53	25212	26.621	ug/l		99
16) Acetone	4.430	43	20706	26.370	ug/l		91
17) Carbon Disulfide	4.689	76	30614	5.087	ug/l	#	86
18) Methyl Acetate	5.030	43	21727	4.691	ug/l		99
19) Methyl tert-butyl Ether	5.795	73	30655	5.118	ug/l	#	89
20) Methylene Chloride	5.265	84	12258	5.623	ug/l		91
21) trans-1,2-Dichloroethene	5.771	96	10024	4.996	ug/l		94
22) Diisopropyl ether	6.671	45	31631	5.023	ug/l		93
23) Vinyl Acetate	6.601	43	111267	25.622	ug/l		98
24) 1,1-Dichloroethane	6.559	63	20644	5.460	ug/l		96
25) 2-Butanone	7.489	43	31742	27.452	ug/l		97
26) 2,2-Dichloropropane	7.483	77	16462	5.003	ug/l		94
27) cis-1,2-Dichloroethene	7.483	96	12105	5.167	ug/l		98
28) Bromochloromethane	7.806	49	7002	4.649	ug/l	#	91
29) Tetrahydrofuran	7.842	42	20240	26.385	ug/l		99
30) Chloroform	7.959	83	20974	5.451	ug/l		92
31) Cyclohexane	8.253	56	18750	5.480	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	17717	5.059	ug/l		97
36) 1,1-Dichloropropene	8.371	75	14193	5.077	ug/l		99
37) Ethyl Acetate	7.559	43	13884	5.474	ug/l	#	94
38) Carbon Tetrachloride	8.353	117	15977	5.113	ug/l		96
39) Methylcyclohexane	9.600	83	13624	4.791	ug/l		95
40) Benzene	8.600	78	46044	5.129	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	7091	5.199	ug/l		97
42) 1,2-Dichloroethane	8.665	62	14972	5.150	ug/l		98
43) Isopropyl Acetate	8.689	43	30044	5.554	ug/l	#	90
44) Trichloroethene	9.347	130	10168	4.911	ug/l		89
45) 1,2-Dichloropropane	9.618	63	11095	5.269	ug/l		97
46) Dibromomethane	9.706	93	7752	5.217	ug/l		97
47) Bromodichloromethane	9.889	83	15749	5.028	ug/l	#	98
48) Methyl methacrylate	9.677	41	9971	5.051	ug/l		97
49) 1,4-Dioxane	9.700	88	3729	106.609	ug/l		95
51) 4-Methyl-2-Pentanone	10.447	43	61332	25.367	ug/l		100
52) Toluene	10.630	92	26518	5.051	ug/l		99
53) t-1,3-Dichloropropene	10.836	75	16279	5.021	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	17395	5.069	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	10193	5.154	ug/l		93
56) Ethyl methacrylate	10.871	69	13362	4.671	ug/l		94
57) 1,3-Dichloropropane	11.165	76	17816	5.249	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	30088	22.477	ug/l		98
59) 2-Hexanone	11.194	43	43750	24.860	ug/l		97
60) Dibromochloromethane	11.359	129	11226	4.980	ug/l		96
61) 1,2-Dibromoethane	11.471	107	10584	5.226	ug/l		97
64) Tetrachloroethene	11.100	164	8917	5.271	ug/l	#	87
65) Chlorobenzene	11.888	112	29618	5.205	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	10265	5.186	ug/l		99
67) Ethyl Benzene	11.965	91	47037	4.952	ug/l		98
68) m/p-Xylenes	12.065	106	34753	9.665	ug/l		100
69) o-Xylene	12.394	106	16393	4.873	ug/l		99
70) Styrene	12.412	104	27807	4.739	ug/l		98
71) Bromoform	12.577	173	7686	5.161	ug/l	#	95
73) Isopropylbenzene	12.694	105	40223	4.855	ug/l		99
74) N-amyl acetate	12.494	43	18583	5.270	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	15573	5.631	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	11982m	5.136	ug/l		
77) Bromobenzene	12.983	156	11012	4.944	ug/l		98
78) n-propylbenzene	13.035	91	47776	4.921	ug/l		99
79) 2-Chlorotoluene	13.124	91	32460	5.117	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	32685	4.760	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.730	75	5096	5.116	ug/l		93
82) 4-Chlorotoluene	13.218	91	33672	5.044	ug/l		98
83) tert-Butylbenzene	13.435	119	26850	4.724	ug/l		95
84) 1,2,4-Trimethylbenzene	13.483	105	32703	4.614	ug/l		100
85) sec-Butylbenzene	13.612	105	37187	4.632	ug/l		97
86) p-Isopropyltoluene	13.730	119	29767	4.521	ug/l		97
87) 1,3-Dichlorobenzene	13.730	146	22272	5.124	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	22213	4.741	ug/l		91
89) n-Butylbenzene	14.053	91	29010	4.710	ug/l		99
90) Hexachloroethane	14.335	117	7404	5.043	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	22221	5.320	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	3239	5.781	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	11298	4.942	ug/l		99
94) Hexachlorobutadiene	15.500	225	5184	5.163	ug/l		96
95) Naphthalene	15.641	128	32966	4.817	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	11106	5.004	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 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

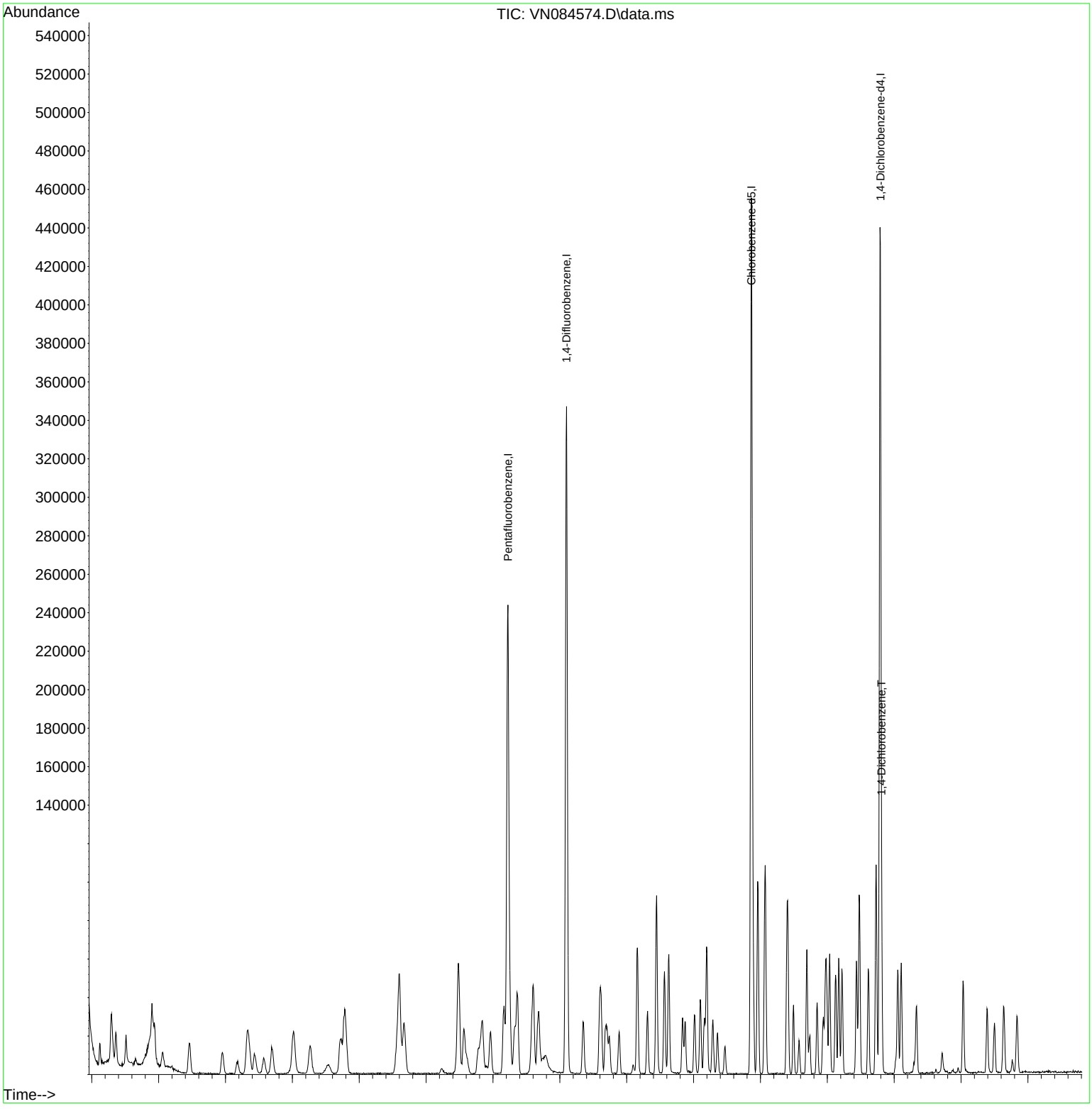
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	168991	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297772	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	250990	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109560	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	1964	1.011	ug/l		100
3) Chloromethane	2.365	50	6046	1.880	ug/l	#	80
4) Vinyl Chloride	2.512	62	1963	0.939	ug/l		89
6) Chloroethane	3.083	64	2917	0.885	ug/l		98
7) Trichlorofluoromethane	3.471	101	3621	1.052	ug/l	#	74
8) Diethyl Ether	3.971	74	1209m	0.996	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.359	101	1982	1.019	ug/l		90
12) 1,1-Dichloroethene	4.336	96	2177	1.131	ug/l	#	68
14) Allyl chloride	5.006	41	2869	0.919	ug/l	#	29
15) Acrylonitrile	5.730	53	4443	4.764	ug/l	#	55
16) Acetone	4.430	43	5707m	5.302	ug/l		
17) Carbon Disulfide	4.700	76	7155	1.207	ug/l	#	93
18) Methyl Acetate	5.024	43	7743	1.954	ug/l	#	89
19) Methyl tert-butyl Ether	5.806	73	5314	0.901	ug/l		95
20) Methylene Chloride	5.271	84	2029	0.945	ug/l	#	81
21) trans-1,2-Dichloroethene	5.789	96	2030	1.027	ug/l	#	78
22) Diisopropyl ether	6.665	45	5485	0.884	ug/l	#	89
23) Vinyl Acetate	6.600	43	18413	4.306	ug/l		96
24) 1,1-Dichloroethane	6.553	63	3491	0.938	ug/l	#	83
25) 2-Butanone	7.494	43	5644	4.956	ug/l	#	88
26) 2,2-Dichloropropane	7.488	77	3152	0.973	ug/l	#	70
27) cis-1,2-Dichloroethene	7.477	96	2275	0.986	ug/l	#	75
28) Bromochloromethane	7.812	49	1450	0.978	ug/l	#	97
29) Tetrahydrofuran	7.847	42	3321	4.396	ug/l		96
30) Chloroform	7.965	83	3463	0.914	ug/l		87
32) 1,1,1-Trichloroethane	8.171	97	3312	0.960	ug/l	#	34
36) 1,1-Dichloropropene	8.365	75	2825	1.011	ug/l		97
37) Ethyl Acetate	7.559	43	2440	0.962	ug/l	#	88
38) Carbon Tetrachloride	8.353	117	2904	0.929	ug/l	#	73
39) Methylcyclohexane	9.600	83	2212	0.778	ug/l		89
40) Benzene	8.600	78	9169	1.021	ug/l		94
41) Methacrylonitrile	7.777	41	1095	0.803	ug/l	#	84
42) 1,2-Dichloroethane	8.665	62	2733	0.940	ug/l		81
43) Isopropyl Acetate	8.688	43	7724	0.697	ug/l	#	78
44) Trichloroethene	9.353	130	2306	1.114	ug/l		74
45) 1,2-Dichloropropane	9.624	63	1967	0.934	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.712	93	1472	0.991 ug/l	93
47) Bromodichloromethane	9.882	83	3156	1.008 ug/l #	96
48) Methyl methacrylate	9.682	41	1652	0.837 ug/l #	84
49) 1,4-Dioxane	9.700	88	576	16.468 ug/l #	73
51) 4-Methyl-2-Pentanone	10.441	43	10237	4.234 ug/l	92
52) Toluene	10.629	92	4507	0.858 ug/l	89
53) t-1,3-Dichloropropene	10.835	75	3308	1.020 ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	3266	0.952 ug/l #	94
55) 1,1,2-Trichloroethane	11.012	97	1841	0.931 ug/l #	86
56) Ethyl methacrylate	10.876	69	2211	0.773 ug/l	94
57) 1,3-Dichloropropane	11.165	76	3139	0.925 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	4979	3.720 ug/l #	87
59) 2-Hexanone	11.194	43	7617	4.328 ug/l	89
60) Dibromochloromethane	11.353	129	1857	0.824 ug/l	88
61) 1,2-Dibromoethane	11.465	107	2001	0.988 ug/l	89
64) Tetrachloroethene	11.100	164	1629	0.976 ug/l #	69
65) Chlorobenzene	11.894	112	5753	1.025 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2002	1.025 ug/l #	61
67) Ethyl Benzene	11.965	91	8520	0.909 ug/l	98
68) m/p-Xylenes	12.070	106	6568	1.851 ug/l	96
69) o-Xylene	12.400	106	2759	0.831 ug/l	99
70) Styrene	12.406	104	5269	0.910 ug/l	95
71) Bromoform	12.582	173	1434	0.976 ug/l #	95
73) Isopropylbenzene	12.694	105	6985	0.910 ug/l	99
74) N-amyl acetate	12.488	43	2680	0.820 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	2678	1.045 ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	2731m	1.263 ug/l	
77) Bromobenzene	12.982	156	2440	1.182 ug/l	95
78) n-propylbenzene	13.035	91	7935	0.882 ug/l	95
79) 2-Chlorotoluene	13.123	91	5699	0.969 ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	5298	0.833 ug/l	98
82) 4-Chlorotoluene	13.223	91	6682	1.080 ug/l	96
83) tert-Butylbenzene	13.435	119	4148	0.788 ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	5651	0.860 ug/l	98
85) sec-Butylbenzene	13.617	105	6490	0.872 ug/l	93
86) p-Isopropyltoluene	13.729	119	4859	0.796 ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	4961	1.232 ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	6076m	0.801 ug/l	
89) n-Butylbenzene	14.059	91	6020	1.055 ug/l	95
90) Hexachloroethane	14.329	117	1493	1.097 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	4428	1.144 ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.717	75	595	1.146 ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	2964	1.399 ug/l	98
94) Hexachlorobutadiene	15.506	225	1208	1.298 ug/l	88
95) Naphthalene	15.635	128	7352	1.159 ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2605	1.267 ug/l	91

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

ICAL Form

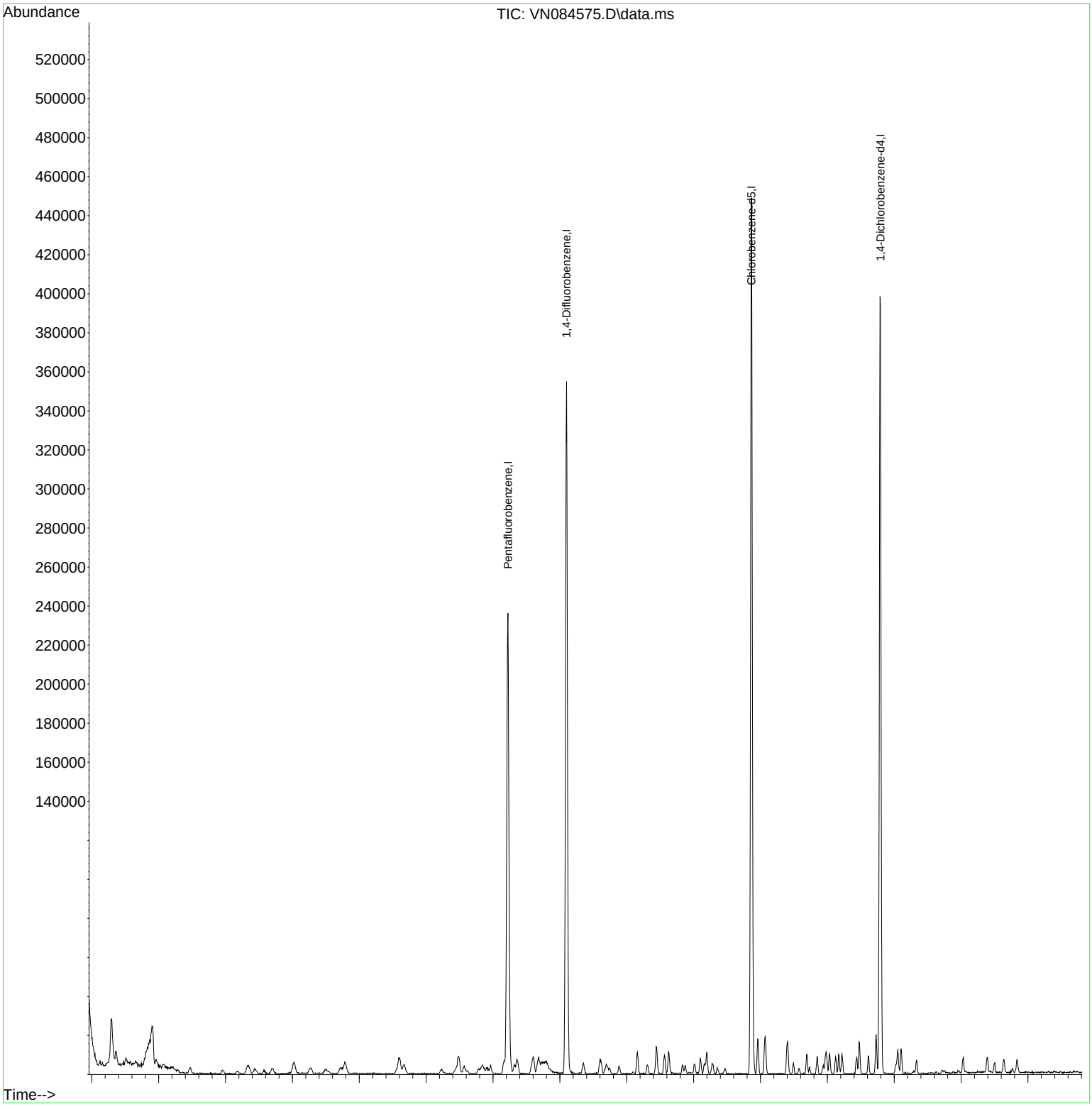
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

11/04/2024

Supervised By :Mahesh Dadoda

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132029	47.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.120%			
35) Dibromofluoromethane	8.165	113	104306	47.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.565	98	390989	48.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.847	95	144180	47.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	101605	45.985	ug/l	97
3) Chloromethane	2.359	50	118060	45.299	ug/l	99
4) Vinyl Chloride	2.512	62	110340	46.430	ug/l	95
5) Bromomethane	2.900	94	54764	43.494	ug/l	100
6) Chloroethane	3.071	64	68330	46.348	ug/l	93
7) Trichlorofluoromethane	3.471	101	178683	45.644	ug/l	98
8) Diethyl Ether	3.959	74	64407	46.640	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101094	45.702	ug/l	98
10) Methyl Iodide	4.577	142	137594	46.542	ug/l	97
11) Tert butyl alcohol	5.536	59	80556	219.840	ug/l	99
12) 1,1-Dichloroethene	4.330	96	99235	45.338	ug/l	99
13) Acrolein	4.171	56	79788	218.362	ug/l	98
14) Allyl chloride	5.012	41	170293	47.975	ug/l	92
15) Acrylonitrile	5.718	53	251141	236.747	ug/l	100
16) Acetone	4.430	43	196070	244.445	ug/l	100
17) Carbon Disulfide	4.700	76	287697	42.682	ug/l	99
18) Methyl Acetate	5.024	43	132834	44.944	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	326067	48.603	ug/l	97
20) Methylene Chloride	5.265	84	111618	45.716	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	101181	45.019	ug/l	98
22) Diisopropyl ether	6.671	45	343763	48.739	ug/l	99
23) Vinyl Acetate	6.600	43	1204384	247.614	ug/l	99
24) 1,1-Dichloroethane	6.559	63	196518	46.408	ug/l	97
25) 2-Butanone	7.483	43	307765	237.635	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166234	45.103	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	121280	46.214	ug/l	97
28) Bromochloromethane	7.806	49	92741	54.971	ug/l	97
29) Tetrahydrofuran	7.835	42	211210	245.822	ug/l	98
30) Chloroform	7.965	83	203935	47.316	ug/l	100
31) Cyclohexane	8.253	56	172671	45.053	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	183488	46.774	ug/l	98
36) 1,1-Dichloropropene	8.365	75	141152	46.370	ug/l	100
37) Ethyl Acetate	7.559	43	132993	48.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	157005	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	154743	49.969	ug/l	99
40) Benzene	8.606	78	452351	46.273	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
11/04/2024
Supervised By :Mahesh Dadoda
11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	77176	51.964 ug/l	99
42) 1,2-Dichloroethane	8.671	62	149173	47.118 ug/l	99
43) Isopropyl Acetate	8.688	43	232558	45.492 ug/l	98
44) Trichloroethene	9.347	130	100849	44.732 ug/l	99
45) 1,2-Dichloropropane	9.618	63	108229	47.196 ug/l	96
46) Dibromomethane	9.706	93	74292	45.911 ug/l	96
47) Bromodichloromethane	9.888	83	158814	46.560 ug/l #	99
48) Methyl methacrylate	9.676	41	109745	51.057 ug/l	97
49) 1,4-Dioxane	9.694	88	40527	1063.992 ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	665397	252.729 ug/l	98
52) Toluene	10.629	92	277957	48.616 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	162100	45.911 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	175008	46.832 ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	102553	47.618 ug/l	97
56) Ethyl methacrylate	10.871	69	164370	52.764 ug/l	98
57) 1,3-Dichloropropane	11.165	76	176546	47.765 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	408174	280.013 ug/l	98
59) 2-Hexanone	11.194	43	489776	255.570 ug/l	99
60) Dibromochloromethane	11.359	129	120465	49.079 ug/l	99
61) 1,2-Dibromoethane	11.465	107	102316	46.393 ug/l	100
64) Tetrachloroethene	11.100	164	88124	45.436 ug/l	98
65) Chlorobenzene	11.888	112	292713	44.872 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	105108	46.323 ug/l	99
67) Ethyl Benzene	11.965	91	526140	48.319 ug/l	99
68) m/p-Xylenes	12.070	106	408029	98.979 ug/l	99
69) o-Xylene	12.400	106	194895	50.538 ug/l	99
70) Styrene	12.412	104	333668	49.600 ug/l	98
71) Bromoform	12.576	173	78822	46.166 ug/l #	98
73) Isopropylbenzene	12.694	105	491033	49.063 ug/l	100
74) N-amyl acetate	12.494	43	209049	49.076 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	147181	44.058 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	122725m	42.988 ug/l	
77) Bromobenzene	12.976	156	119728	44.500 ug/l	97
78) n-propylbenzene	13.035	91	576495	49.156 ug/l	98
79) 2-Chlorotoluene	13.123	91	367294	47.930 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	420675	50.714 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	54512	45.300 ug/l	99
82) 4-Chlorotoluene	13.223	91	361596	44.837 ug/l	98
83) tert-Butylbenzene	13.435	119	361800	52.701 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	428517	50.053 ug/l	100
85) sec-Butylbenzene	13.617	105	483212	49.829 ug/l	100
86) p-Isopropyltoluene	13.729	119	410129	51.568 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	219757	41.852 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	221608	45.904 ug/l	99
89) n-Butylbenzene	14.053	91	341775	45.941 ug/l	100
90) Hexachloroethane	14.329	117	77324	43.597 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	220824	43.765 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30895	45.651 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	111270	40.290 ug/l	98
94) Hexachlorobutadiene	15.500	225	47959	39.544 ug/l	97
95) Naphthalene	15.641	128	375360	45.408 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	108830	40.595 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

11/04/2024

Supervised By :Mahesh Dadoda

11/04/2024

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\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
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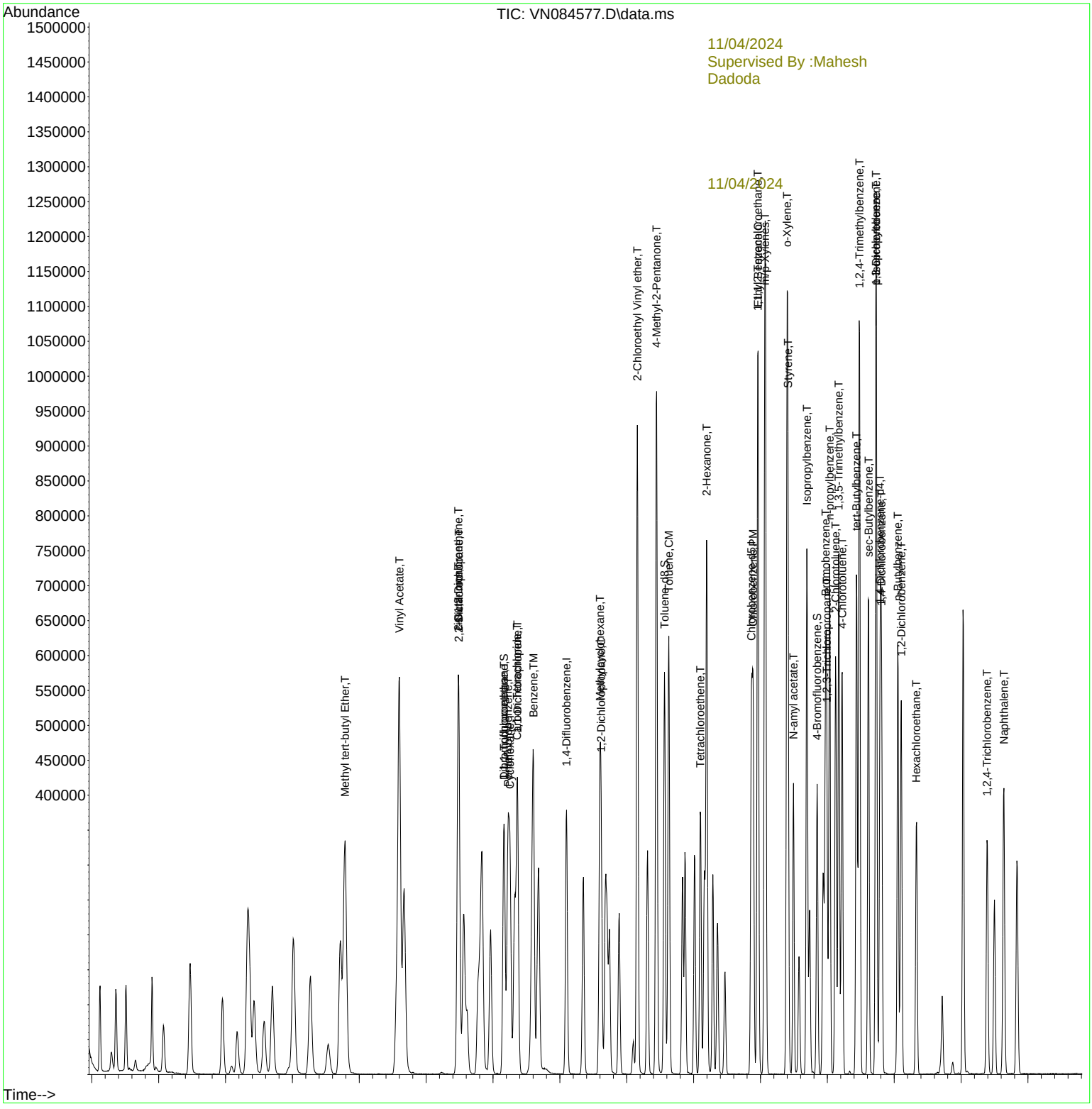
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 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	103	0.00
2	T	Dichlorodifluoromethane	0.575	0.529	8.0	99	0.00
3	P	Chloromethane	0.952	0.614	35.5#	94	0.00
4	C	Vinyl Chloride	0.618	0.574	7.1#	98	0.00
5	T	Bromomethane	0.328	0.285	13.1	99	-0.05
6	T	Chloroethane	0.488	0.356	27.0#	97	-0.05
7	T	Trichlorofluoromethane	1.018	0.930	8.6	100	-0.02
8	T	Diethyl Ether	0.359	0.335	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.526	8.5	97	-0.01
10	T	Methyl Iodide	0.769	0.716	6.9	100	-0.02
11	T	Tert butyl alcohol	0.095	0.084	11.6	100	0.01
12	CM	1,1-Dichloroethene	0.569	0.516	9.3#	99	-0.01
13	T	Acrolein	0.095	0.083	12.6	97	0.00
14	T	Allyl chloride	0.923	0.886	4.0	100	-0.01
15	T	Acrylonitrile	0.276	0.261	5.4	99	0.00
16	T	Acetone	0.238	0.204	14.3	103	0.00
17	T	Carbon Disulfide	1.753	1.497	14.6	96	-0.01
18	T	Methyl Acetate	1.172	0.691	41.0#	95	0.00
19	T	Methyl tert-butyl Ether	1.745	1.696	2.8	99	0.00
20	T	Methylene Chloride	0.635	0.581	8.5	99	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.526	10.1	96	-0.01
22	T	Diisopropyl ether	1.835	1.789	2.5	99	0.00
23	T	Vinyl Acetate	1.265	1.253	0.9	99	0.00
24	P	1,1-Dichloroethane	1.102	1.022	7.3	99	-0.01
25	T	2-Butanone	0.337	0.320	5.0	105	0.00
26	T	2,2-Dichloropropane	0.959	0.865	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.631	7.6	98	0.00
28	T	Bromochloromethane	0.439	0.483	-10.0	97	0.00
29	T	Tetrahydrofuran	0.224	0.220	1.8	102	0.00
30	C	Chloroform	1.121	1.061	5.4#	101	0.00
31	T	Cyclohexane	0.997	0.898	9.9	99	0.00
32	T	1,1,1-Trichloroethane	1.021	0.955	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.687	4.8	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.338	0.322	4.7	97	0.00
36	T	1,1-Dichloropropene	0.469	0.435	7.2	100	0.00
37	T	Ethyl Acetate	0.426	0.410	3.8	101	0.00
38	T	Carbon Tetrachloride	0.525	0.484	7.8	98	0.00
39	T	Methylcyclohexane	0.478	0.477	0.2	98	0.00
40	TM	Benzene	1.507	1.395	7.4	100	0.00
41	T	Methacrylonitrile	0.229	0.238	-3.9	101	0.00
42	TM	1,2-Dichloroethane	0.488	0.460	5.7	97	0.00
43	T	Isopropyl Acetate	0.927	0.717	22.7	99	0.00
44	TM	Trichloroethene	0.348	0.311	10.6	97	0.00
45	C	1,2-Dichloropropane	0.354	0.334	5.6#	100	0.00
46	T	Dibromomethane	0.250	0.229	8.4	98	0.00
47	T	Bromodichloromethane	0.526	0.490	6.8	98	0.00
48	T	Methyl methacrylate	0.331	0.338	-2.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 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	0.006	0.0	107	0.00
50	S	Toluene-d8	1.247	1.206	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.410	-1.0	101	0.00
52	CM	Toluene	0.882	0.857	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	0.544	0.500	8.1	96	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.540	6.2	97	0.00
55	T	1,1,2-Trichloroethane	0.332	0.316	4.8	100	0.00
56	T	Ethyl methacrylate	0.480	0.507	-5.6	98	0.00
57	T	1,3-Dichloropropane	0.570	0.544	4.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.252	-12.0	100	0.00
59	T	2-Hexanone	0.296	0.302	-2.0	101	0.00
60	T	Dibromochloromethane	0.378	0.372	1.6	98	0.00
61	T	1,2-Dibromoethane	0.340	0.316	7.1	98	0.00
62	S	4-Bromofluorobenzene	0.466	0.445	4.5	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.333	0.302	9.3	101	0.00
65	PM	Chlorobenzene	1.119	1.004	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.360	7.5	100	0.00
67	C	Ethyl Benzene	1.867	1.804	3.4#	100	0.00
68	T	m/p-Xylenes	0.707	0.700	1.0	100	0.00
69	T	o-Xylene	0.661	0.668	-1.1	101	0.00
70	T	Styrene	1.154	1.144	0.9	99	0.00
71	P	Bromoform	0.293	0.270	7.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.504	3.438	1.9	99	0.00
74	T	N-amyl acetate	1.491	1.464	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.031	11.9	99	0.00
76	T	1,2,3-Trichloropropane	0.999	0.859	14.0	100	0.00
77	T	Bromobenzene	0.942	0.838	11.0	98	0.00
78	T	n-propylbenzene	4.106	4.037	1.7	98	0.00
79	T	2-Chlorotoluene	2.683	2.572	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.946	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.382	9.3	98	0.00
82	T	4-Chlorotoluene	2.823	2.532	10.3	96	0.00
83	T	tert-Butylbenzene	2.403	2.533	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.000	-0.1	98	0.00
85	T	sec-Butylbenzene	3.395	3.383	0.4	99	0.00
86	T	p-Isopropyltoluene	2.784	2.872	-3.2	97	0.00
87	T	1,3-Dichlorobenzene	1.838	1.539	16.3	95	0.00
88	T	1,4-Dichlorobenzene	1.937	1.552	19.9	96	0.00
89	T	n-Butylbenzene	2.605	2.393	8.1	94	0.00
90	T	Hexachloroethane	0.621	0.541	12.9	95	0.00
91	T	1,2-Dichlorobenzene	1.766	1.546	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.216	8.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.779	19.4	93	0.00
94	T	Hexachlorobutadiene	0.425	0.336	20.9	94	0.00
95	T	Naphthalene	2.894	2.628	9.2	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 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	0.939	0.762	18.8	94	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\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	50.000	45.985	8.0	99	0.00
3	P	Chloromethane	50.000	45.299	9.4	94	0.00
4	C	Vinyl Chloride	50.000	46.430	7.1#	98	0.00
5	T	Bromomethane	50.000	43.494	13.0	99	-0.05
6	T	Chloroethane	50.000	46.348	7.3	97	-0.05
7	T	Trichlorofluoromethane	50.000	45.644	8.7	100	-0.02
8	T	Diethyl Ether	50.000	46.640	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.702	8.6	97	-0.01
10	T	Methyl Iodide	50.000	46.542	6.9	100	-0.02
11	T	Tert butyl alcohol	250.000	219.840	12.1	100	0.01
12	CM	1,1-Dichloroethene	50.000	45.338	9.3#	99	-0.01
13	T	Acrolein	250.000	218.362	12.7	97	0.00
14	T	Allyl chloride	50.000	47.975	4.0	100	-0.01
15	T	Acrylonitrile	250.000	236.747	5.3	99	0.00
16	T	Acetone	250.000	244.445	2.2	103	0.00
17	T	Carbon Disulfide	50.000	42.682	14.6	96	-0.01
18	T	Methyl Acetate	50.000	44.944	10.1	95	0.00
19	T	Methyl tert-butyl Ether	50.000	48.603	2.8	99	0.00
20	T	Methylene Chloride	50.000	45.716	8.6	99	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.019	10.0	96	-0.01
22	T	Diisopropyl ether	50.000	48.739	2.5	99	0.00
23	T	Vinyl Acetate	250.000	247.614	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	46.408	7.2	99	-0.01
25	T	2-Butanone	250.000	237.635	4.9	105	0.00
26	T	2,2-Dichloropropane	50.000	45.103	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.214	7.6	98	0.00
28	T	Bromochloromethane	50.000	54.971	-9.9	97	0.00
29	T	Tetrahydrofuran	250.000	245.822	1.7	102	0.00
30	C	Chloroform	50.000	47.316	5.4#	101	0.00
31	T	Cyclohexane	50.000	45.053	9.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	46.774	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.560	4.9	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	47.522	5.0	97	0.00
36	T	1,1-Dichloropropene	50.000	46.370	7.3	100	0.00
37	T	Ethyl Acetate	50.000	48.154	3.7	101	0.00
38	T	Carbon Tetrachloride	50.000	46.145	7.7	98	0.00
39	T	Methylcyclohexane	50.000	49.969	0.1	98	0.00
40	TM	Benzene	50.000	46.273	7.5	100	0.00
41	T	Methacrylonitrile	50.000	51.964	-3.9	101	0.00
42	TM	1,2-Dichloroethane	50.000	47.118	5.8	97	0.00
43	T	Isopropyl Acetate	50.000	45.492	9.0	99	0.00
44	TM	Trichloroethene	50.000	44.732	10.5	97	0.00
45	C	1,2-Dichloropropane	50.000	47.196	5.6#	100	0.00
46	T	Dibromomethane	50.000	45.911	8.2	98	0.00
47	T	Bromodichloromethane	50.000	46.560	6.9	98	0.00
48	T	Methyl methacrylate	50.000	51.057	-2.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 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	1063.992	-6.4	107	0.00
50	S	Toluene-d8	50.000	48.359	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.729	-1.1	101	0.00
52	CM	Toluene	50.000	48.616	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	45.911	8.2	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.832	6.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	47.618	4.8	100	0.00
56	T	Ethyl methacrylate	50.000	52.764	-5.5	98	0.00
57	T	1,3-Dichloropropane	50.000	47.765	4.5	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.013	-12.0	100	0.00
59	T	2-Hexanone	250.000	255.570	-2.2	101	0.00
60	T	Dibromochloromethane	50.000	49.079	1.8	98	0.00
61	T	1,2-Dibromoethane	50.000	46.393	7.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	47.715	4.6	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.436	9.1	101	0.00
65	PM	Chlorobenzene	50.000	44.872	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.323	7.4	100	0.00
67	C	Ethyl Benzene	50.000	48.319	3.4#	100	0.00
68	T	m/p-Xylenes	100.000	98.979	1.0	100	0.00
69	T	o-Xylene	50.000	50.538	-1.1	101	0.00
70	T	Styrene	50.000	49.600	0.8	99	0.00
71	P	Bromoform	50.000	46.166	7.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	49.063	1.9	99	0.00
74	T	N-amyl acetate	50.000	49.076	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.058	11.9	99	0.00
76	T	1,2,3-Trichloropropane	50.000	42.988	14.0	100	0.00
77	T	Bromobenzene	50.000	44.500	11.0	98	0.00
78	T	n-propylbenzene	50.000	49.156	1.7	98	0.00
79	T	2-Chlorotoluene	50.000	47.930	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.714	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.300	9.4	98	0.00
82	T	4-Chlorotoluene	50.000	44.837	10.3	96	0.00
83	T	tert-Butylbenzene	50.000	52.701	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.053	-0.1	98	0.00
85	T	sec-Butylbenzene	50.000	49.829	0.3	99	0.00
86	T	p-Isopropyltoluene	50.000	51.568	-3.1	97	0.00
87	T	1,3-Dichlorobenzene	50.000	41.852	16.3	95	0.00
88	T	1,4-Dichlorobenzene	50.000	45.904	8.2	96	0.00
89	T	n-Butylbenzene	50.000	45.941	8.1	94	0.00
90	T	Hexachloroethane	50.000	43.597	12.8	95	0.00
91	T	1,2-Dichlorobenzene	50.000	43.765	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.651	8.7	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	40.290	19.4	93	0.00
94	T	Hexachlorobutadiene	50.000	39.544	20.9	94	0.00
95	T	Naphthalene	50.000	45.408	9.2	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 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	40.595	18.8	94	0.00

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

Raw Data: **VN084716.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG No.: P4732

Instrument ID: MSVOA_N Calibration Date/Time: 11/07/2024 11:50

Lab File ID: VN084716.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.522		-9.22	20
Chloromethane	0.952	0.590	0.1	-38.03	20
Vinyl Chloride	0.618	0.569		-7.93	20
Bromomethane	0.328	0.310		-5.49	20
Chloroethane	0.488	0.379		-22.34	20
Trichlorofluoromethane	1.018	0.987		-3.05	20
1,1,2-Trichlorotrifluoroethane	0.575	0.552		-4	20
1,1-Dichloroethene	0.569	0.531		-6.68	20
Acetone	0.238	0.223		-6.3	20
Carbon Disulfide	1.753	1.461		-16.66	20
Methyl tert-butyl Ether	1.745	1.842		5.56	20
Methyl Acetate	1.172	0.720		-38.57	20
Methylene Chloride	0.635	0.615		-3.15	20
trans-1,2-Dichloroethene	0.585	0.559		-4.44	20
1,1-Dichloroethane	1.102	1.092	0.1	-0.91	20
Cyclohexane	0.997	0.871		-12.64	20
2-Butanone	0.337	0.351		4.15	20
Carbon Tetrachloride	0.525	0.530		0.95	20
cis-1,2-Dichloroethene	0.683	0.675		-1.17	20
Bromochloromethane	0.439	0.512		16.63	20
Chloroform	1.121	1.139		1.61	20
1,1,1-Trichloroethane	1.021	1.031		0.98	20
Methylcyclohexane	0.478	0.461		-3.56	20
Benzene	1.507	1.477		-1.99	20
1,2-Dichloroethane	0.488	0.493		1.02	20
Trichloroethene	0.348	0.334		-4.02	20
1,2-Dichloropropane	0.354	0.363		2.54	20
Bromodichloromethane	0.526	0.551		4.75	20
4-Methyl-2-Pentanone	0.406	0.445		9.61	20
Toluene	0.882	0.928		5.22	20
t-1,3-Dichloropropene	0.544	0.539		-0.92	20
cis-1,3-Dichloropropene	0.576	0.580		0.69	20
1,1,2-Trichloroethane	0.332	0.354		6.63	20
2-Hexanone	0.296	0.324		9.46	20
Dibromochloromethane	0.378	0.422		11.64	20
1,2-Dibromoethane	0.340	0.352		3.53	20
Tetrachloroethene	0.333	0.339		1.8	20
Chlorobenzene	1.119	1.099	0.3	-1.79	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG No.: P4732

Instrument ID: MSVOA_N Calibration Date/Time: 11/07/2024 11:50

Lab File ID: VN084716.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.867	1.934		3.59	20
m/p-Xylenes	0.707	0.750		6.08	20
o-Xylene	0.661	0.714		8.02	20
Styrene	1.154	1.259		9.1	20
Bromoform	0.293	0.322	0.1	9.9	20
Isopropylbenzene	3.504	3.661		4.48	20
1,1,2,2-Tetrachloroethane	1.170	1.197	0.3	2.31	20
1,3-Dichlorobenzene	1.838	1.725		-6.15	20
1,4-Dichlorobenzene	1.937	1.724		-11	20
1,2-Dichlorobenzene	1.766	1.727		-2.21	20
1,2-Dibromo-3-Chloropropane	0.237	0.228		-3.8	20
1,2,4-Trichlorobenzene	0.967	0.849		-12.2	20
1,2,3-Trichlorobenzene	0.939	0.855		-8.95	20
1,2-Dichloroethane-d4	0.722	0.704		-2.49	20
Dibromofluoromethane	0.338	0.350		3.55	20
Toluene-d8	1.247	1.260		1.04	20
4-Bromofluorobenzene	0.466	0.474		1.72	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084716.D
Acq On : 07 Nov 2024 11:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:22:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116519	48.764	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.520%			
35) Dibromofluoromethane	8.165	113	96671	51.637	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.280%			
50) Toluene-d8	10.565	98	348611	50.550	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.847	95	131053	50.847	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	86346	45.403	ug/l	95
3) Chloromethane	2.365	50	97524	43.368	ug/l	98
4) Vinyl Chloride	2.512	62	94062	45.985	ug/l	100
5) Bromomethane	2.901	94	51356	47.387	ug/l	99
6) Chloroethane	3.071	64	62780	49.570	ug/l	99
7) Trichlorofluoromethane	3.465	101	163346	48.478	ug/l	100
8) Diethyl Ether	3.953	74	57538	48.407	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	91269	47.937	ug/l	97
10) Methyl Iodide	4.577	142	128760	50.601	ug/l	97
11) Tert butyl alcohol	5.542	59	78024	247.383	ug/l	99
12) 1,1-Dichloroethene	4.324	96	87866	46.639	ug/l	98
13) Acrolein	4.171	56	76095	241.951	ug/l	98
14) Allyl chloride	5.018	41	148376	48.564	ug/l	91
15) Acrylonitrile	5.712	53	234598	256.935	ug/l	99
16) Acetone	4.430	43	184145	266.988	ug/l	97
17) Carbon Disulfide	4.695	76	241657	41.653	ug/l	99
18) Methyl Acetate	5.024	43	119127	47.010	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	304735	52.773	ug/l	97
20) Methylene Chloride	5.271	84	101790	48.436	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	92402	47.766	ug/l	98
22) Diisopropyl ether	6.671	45	311685	51.341	ug/l	95
23) Vinyl Acetate	6.600	43	1096391	261.883	ug/l	98
24) 1,1-Dichloroethane	6.559	63	180729	49.585	ug/l	98
25) 2-Butanone	7.483	43	290374	260.485	ug/l	99
26) 2,2-Dichloropropane	7.483	77	153602	48.419	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	111713	49.457	ug/l	96
28) Bromochloromethane	7.812	49	84721	58.342	ug/l	91
29) Tetrahydrofuran	7.835	42	191069	258.363	ug/l	94
30) Chloroform	7.965	83	188469	50.804	ug/l	97
31) Cyclohexane	8.253	56	144029	43.660	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	170617	50.530	ug/l	96
36) 1,1-Dichloropropene	8.365	75	124650	48.008	ug/l	99
37) Ethyl Acetate	7.553	43	117930	50.061	ug/l	98
38) Carbon Tetrachloride	8.359	117	146692	50.546	ug/l	98
39) Methylcyclohexane	9.600	83	127406	48.234	ug/l	99
40) Benzene	8.600	78	408507	48.991	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084716.D
Acq On : 07 Nov 2024 11:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:22:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	65103	51.391 ug/l	92
42) 1,2-Dichloroethane	8.665	62	136310	50.477 ug/l	99
43) Isopropyl Acetate	8.688	43	207644	47.667 ug/l	96
44) Trichloroethene	9.353	130	92416	48.058 ug/l	98
45) 1,2-Dichloropropane	9.618	63	100359	51.308 ug/l	94
46) Dibromomethane	9.706	93	70461	51.050 ug/l	96
47) Bromodichloromethane	9.882	83	152522	52.423 ug/l	99
48) Methyl methacrylate	9.682	41	100614	54.879 ug/l	97
49) 1,4-Dioxane	9.694	88	36111	1111.488 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	615162	273.928 ug/l	98
52) Toluene	10.629	92	256558	52.609 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	149186	49.537 ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	160528	50.363 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	97978	53.337 ug/l	95
56) Ethyl methacrylate	10.871	69	153834	57.895 ug/l	96
57) 1,3-Dichloropropane	11.165	76	165529	52.504 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	350276	281.718 ug/l	97
59) 2-Hexanone	11.194	43	448231	274.212 ug/l	96
60) Dibromochloromethane	11.359	129	116583	55.685 ug/l	99
61) 1,2-Dibromoethane	11.471	107	97260	51.703 ug/l	98
64) Tetrachloroethene	11.100	164	83094	50.919 ug/l	98
65) Chlorobenzene	11.888	112	269675	49.133 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	100646	52.719 ug/l	99
67) Ethyl Benzene	11.965	91	474364	51.777 ug/l	99
68) m/p-Xylenes	12.070	106	367996	106.096 ug/l	99
69) o-Xylene	12.394	106	175234	54.006 ug/l	99
70) Styrene	12.412	104	308779	54.553 ug/l	99
71) Bromoform	12.576	173	79049	55.027 ug/l #	99
73) Isopropylbenzene	12.694	105	441397	52.240 ug/l	99
74) N-amyl acetate	12.494	43	189296	52.637 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	144373	51.190 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	120461m	49.980 ug/l	
77) Bromobenzene	12.982	156	112678	49.606 ug/l	94
78) n-propylbenzene	13.035	91	509672	51.475 ug/l	97
79) 2-Chlorotoluene	13.123	91	326900	50.528 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	384093	54.846 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	49083	48.313 ug/l	97
82) 4-Chlorotoluene	13.217	91	331897	48.747 ug/l	99
83) tert-Butylbenzene	13.435	119	330775	57.071 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	397030	54.931 ug/l	98
85) sec-Butylbenzene	13.617	105	431521	52.708 ug/l	99
86) p-Isopropyltoluene	13.729	119	367069	54.669 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	208029	46.928 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	207926	51.197 ug/l	98
89) n-Butylbenzene	14.053	91	298921	47.593 ug/l	99
90) Hexachloroethane	14.335	117	71273	47.599 ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	208231	48.883 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27503	48.136 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	102415	43.925 ug/l	100
94) Hexachlorobutadiene	15.500	225	46298	45.217 ug/l	96
95) Naphthalene	15.641	128	333768	47.826 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	103125	45.563 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084716.D
Acq On : 07 Nov 2024 11:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:22:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024

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

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

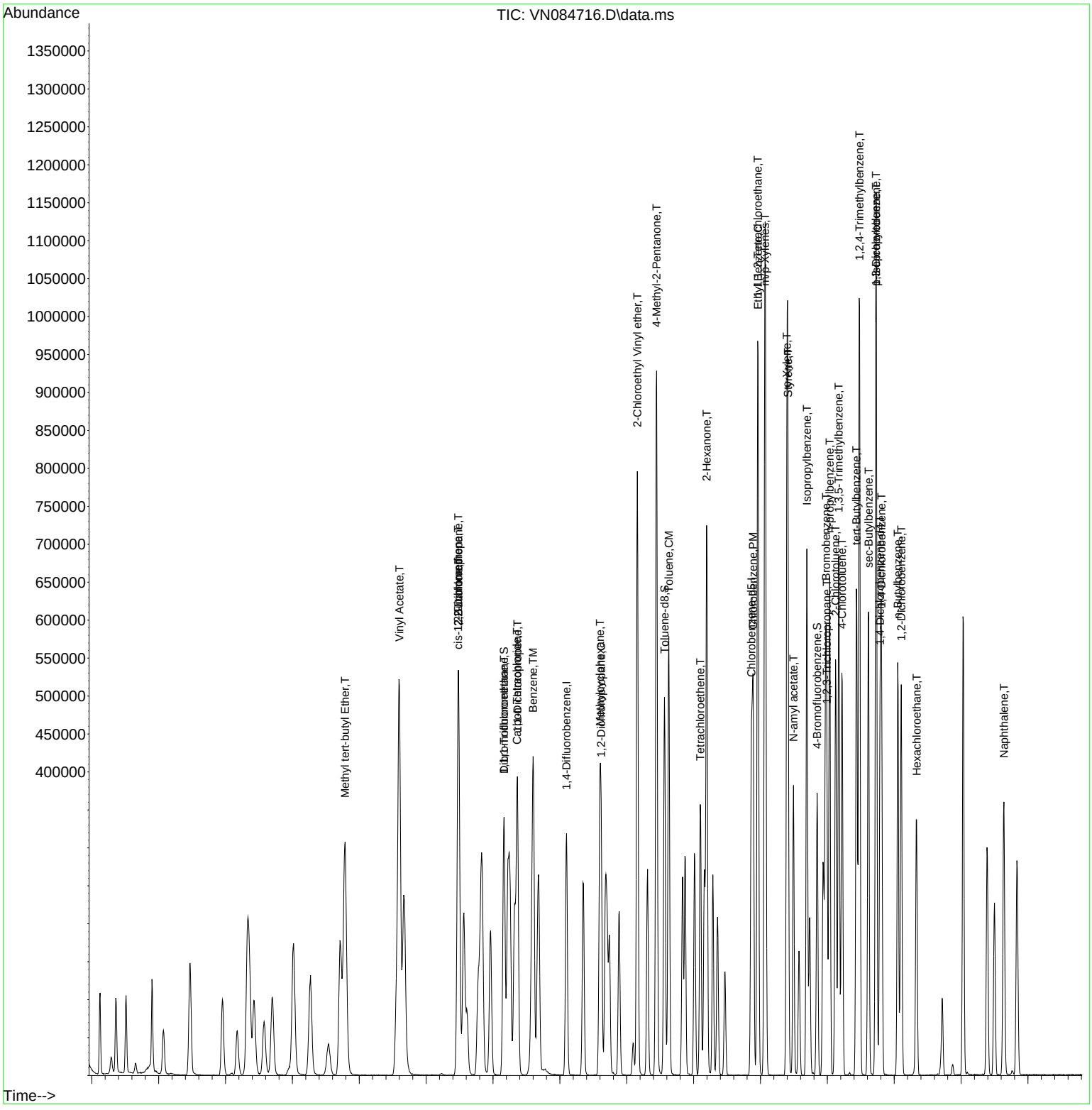
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084716.D
Acq On : 07 Nov 2024 11:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:22:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024



Sample Results: **VN084716.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084716.D
Acq On : 07 Nov 2024 11:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 00:22:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 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	89	0.00
2	T	Dichlorodifluoromethane	0.575	0.522	9.2	84	0.00
3	P	Chloromethane	0.952	0.590	38.0#	78	0.00
4	C	Vinyl Chloride	0.618	0.569	7.9#	83	0.00
5	T	Bromomethane	0.328	0.310	5.5	93	-0.05
6	T	Chloroethane	0.488	0.379	22.3	90	-0.05
7	T	Trichlorofluoromethane	1.018	0.987	3.0	91	-0.03
8	T	Diethyl Ether	0.359	0.348	3.1	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.552	4.0	88	-0.01
10	T	Methyl Iodide	0.769	0.778	-1.2	94	-0.02
11	T	Tert butyl alcohol	0.095	0.094	1.1	97	0.02
12	CM	1,1-Dichloroethene	0.569	0.531	6.7#	87	-0.02
13	T	Acrolein	0.095	0.092	3.2	93	0.00
14	T	Allyl chloride	0.923	0.897	2.8	87	0.00
15	T	Acrylonitrile	0.276	0.284	-2.9	93	0.00
16	T	Acetone	0.238	0.223	6.3	97	0.00
17	T	Carbon Disulfide	1.753	1.461	16.7	81	-0.02
18	T	Methyl Acetate	1.172	0.720	38.6#	85	0.00
19	T	Methyl tert-butyl Ether	1.745	1.842	-5.6	93	0.00
20	T	Methylene Chloride	0.635	0.615	3.1	91	0.00
21	T	trans-1,2-Dichloroethene	0.585	0.559	4.4	88	-0.01
22	T	Diisopropyl ether	1.835	1.884	-2.7	90	0.00
23	T	Vinyl Acetate	1.265	1.325	-4.7	90	0.00
24	P	1,1-Dichloroethane	1.102	1.092	0.9	91	-0.01
25	T	2-Butanone	0.337	0.351	-4.2	99	0.00
26	T	2,2-Dichloropropane	0.959	0.928	3.2	88	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.675	1.2	91	-0.01
28	T	Bromochloromethane	0.439	0.512	-16.6	89	0.00
29	T	Tetrahydrofuran	0.224	0.231	-3.1	92	0.00
30	C	Chloroform	1.121	1.139	-1.6#	93	0.00
31	T	Cyclohexane	0.997	0.871	12.6	82	0.00
32	T	1,1,1-Trichloroethane	1.021	1.031	-1.0	92	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.704	2.5	87	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35	S	Dibromofluoromethane	0.338	0.350	-3.6	90	0.00
36	T	1,1-Dichloropropene	0.469	0.451	3.8	89	0.00
37	T	Ethyl Acetate	0.426	0.426	0.0	90	0.00
38	T	Carbon Tetrachloride	0.525	0.530	-1.0	92	0.00
39	T	Methylcyclohexane	0.478	0.461	3.6	80	0.00
40	TM	Benzene	1.507	1.477	2.0	91	0.00
41	T	Methacrylonitrile	0.229	0.235	-2.6	85	0.00
42	TM	1,2-Dichloroethane	0.488	0.493	-1.0	89	0.00
43	T	Isopropyl Acetate	0.927	0.751	19.0	88	0.00
44	TM	Trichloroethene	0.348	0.334	4.0	88	0.00
45	C	1,2-Dichloropropane	0.354	0.363	-2.5#	93	0.00
46	T	Dibromomethane	0.250	0.255	-2.0	93	0.00
47	T	Bromodichloromethane	0.526	0.551	-4.8	94	0.00
48	T	Methyl methacrylate	0.331	0.364	-10.0	93	0.00

Sample Results: **VN084716.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084716.D
Acq On : 07 Nov 2024 11:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 00:22:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 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	0.007	-16.7	96	0.00
50	S	Toluene-d8	1.247	1.260	-1.0	86	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.445	-9.6	93	0.00
52	CM	Toluene	0.882	0.928	-5.2#	92	0.00
53	T	t-1,3-Dichloropropene	0.544	0.539	0.9	88	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.580	-0.7	89	0.00
55	T	1,1,2-Trichloroethane	0.332	0.354	-6.6	96	0.00
56	T	Ethyl methacrylate	0.480	0.556	-15.8	92	0.00
57	T	1,3-Dichloropropane	0.570	0.598	-4.9	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.253	-12.4	86	0.00
59	T	2-Hexanone	0.296	0.324	-9.5	92	0.00
60	T	Dibromochloromethane	0.378	0.422	-11.6	95	0.00
61	T	1,2-Dibromoethane	0.340	0.352	-3.5	94	0.00
62	S	4-Bromofluorobenzene	0.466	0.474	-1.7	85	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
64	T	Tetrachloroethene	0.333	0.339	-1.8	95	0.00
65	PM	Chlorobenzene	1.119	1.099	1.8	91	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.410	-5.4	96	0.00
67	C	Ethyl Benzene	1.867	1.934	-3.6#	90	0.00
68	T	m/p-Xylenes	0.707	0.750	-6.1	90	0.00
69	T	o-Xylene	0.661	0.714	-8.0	91	0.00
70	T	Styrene	1.154	1.259	-9.1	92	0.00
71	P	Bromoform	0.293	0.322	-9.9	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73	T	Isopropylbenzene	3.504	3.661	-4.5	89	0.00
74	T	N-amyl acetate	1.491	1.570	-5.3	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.197	-2.3	97	0.00
76	T	1,2,3-Trichloropropane	0.999	0.999	0.0	98	0.00
77	T	Bromobenzene	0.942	0.935	0.7	92	0.00
78	T	n-propylbenzene	4.106	4.227	-2.9	87	0.00
79	T	2-Chlorotoluene	2.683	2.711	-1.0	90	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.186	-9.7	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.407	3.3	88	0.00
82	T	4-Chlorotoluene	2.823	2.753	2.5	88	0.00
83	T	tert-Butylbenzene	2.403	2.743	-14.1	94	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.293	-9.9	91	0.00
85	T	sec-Butylbenzene	3.395	3.579	-5.4	88	0.00
86	T	p-Isopropyltoluene	2.784	3.044	-9.3	87	0.00
87	T	1,3-Dichlorobenzene	1.838	1.725	6.1	90	0.00
88	T	1,4-Dichlorobenzene	1.937	1.724	11.0	90	0.00
89	T	n-Butylbenzene	2.605	2.479	4.8	83	0.00
90	T	Hexachloroethane	0.621	0.591	4.8	87	0.00
91	T	1,2-Dichlorobenzene	1.766	1.727	2.2	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.228	3.8	92	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.849	12.2	86	0.00
94	T	Hexachlorobutadiene	0.425	0.384	9.6	91	0.00
95	T	Naphthalene	2.894	2.768	4.4	87	0.00

Sample Results: **VN084716.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084716.D
Acq On : 07 Nov 2024 11:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 00:22:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 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	0.939	0.855	8.9	89	0.00

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

Sample Results: **VN084716.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084716.D
Acq On : 07 Nov 2024 11:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 00:22:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 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	89	0.00
2	T	Dichlorodifluoromethane	50.000	45.403	9.2	84	0.00
3	P	Chloromethane	50.000	43.368	13.3	78	0.00
4	C	Vinyl Chloride	50.000	45.985	8.0#	83	0.00
5	T	Bromomethane	50.000	47.387	5.2	93	-0.05
6	T	Chloroethane	50.000	49.570	0.9	90	-0.05
7	T	Trichlorofluoromethane	50.000	48.478	3.0	91	-0.03
8	T	Diethyl Ether	50.000	48.407	3.2	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.937	4.1	88	-0.01
10	T	Methyl Iodide	50.000	50.601	-1.2	94	-0.02
11	T	Tert butyl alcohol	250.000	247.383	1.0	97	0.02
12	CM	1,1-Dichloroethene	50.000	46.639	6.7#	87	-0.02
13	T	Acrolein	250.000	241.951	3.2	93	0.00
14	T	Allyl chloride	50.000	48.564	2.9	87	0.00
15	T	Acrylonitrile	250.000	256.935	-2.8	93	0.00
16	T	Acetone	250.000	266.988	-6.8	97	0.00
17	T	Carbon Disulfide	50.000	41.653	16.7	81	-0.02
18	T	Methyl Acetate	50.000	47.010	6.0	85	0.00
19	T	Methyl tert-butyl Ether	50.000	52.773	-5.5	93	0.00
20	T	Methylene Chloride	50.000	48.436	3.1	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.766	4.5	88	-0.01
22	T	Diisopropyl ether	50.000	51.341	-2.7	90	0.00
23	T	Vinyl Acetate	250.000	261.883	-4.8	90	0.00
24	P	1,1-Dichloroethane	50.000	49.585	0.8	91	-0.01
25	T	2-Butanone	250.000	260.485	-4.2	99	0.00
26	T	2,2-Dichloropropane	50.000	48.419	3.2	88	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.457	1.1	91	-0.01
28	T	Bromochloromethane	50.000	58.342	-16.7	89	0.00
29	T	Tetrahydrofuran	250.000	258.363	-3.3	92	0.00
30	C	Chloroform	50.000	50.804	-1.6#	93	0.00
31	T	Cyclohexane	50.000	43.660	12.7	82	0.00
32	T	1,1,1-Trichloroethane	50.000	50.530	-1.1	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.764	2.5	87	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35	S	Dibromofluoromethane	50.000	51.637	-3.3	90	0.00
36	T	1,1-Dichloropropene	50.000	48.008	4.0	89	0.00
37	T	Ethyl Acetate	50.000	50.061	-0.1	90	0.00
38	T	Carbon Tetrachloride	50.000	50.546	-1.1	92	0.00
39	T	Methylcyclohexane	50.000	48.234	3.5	80	0.00
40	TM	Benzene	50.000	48.991	2.0	91	0.00
41	T	Methacrylonitrile	50.000	51.391	-2.8	85	0.00
42	TM	1,2-Dichloroethane	50.000	50.477	-1.0	89	0.00
43	T	Isopropyl Acetate	50.000	47.667	4.7	88	0.00
44	TM	Trichloroethene	50.000	48.058	3.9	88	0.00
45	C	1,2-Dichloropropane	50.000	51.308	-2.6#	93	0.00
46	T	Dibromomethane	50.000	51.050	-2.1	93	0.00
47	T	Bromodichloromethane	50.000	52.423	-4.8	94	0.00
48	T	Methyl methacrylate	50.000	54.879	-9.8	93	0.00

Sample Results: **VN084716.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084716.D
Acq On : 07 Nov 2024 11:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 00:22:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 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	1111.488	-11.1	96	0.00
50	S	Toluene-d8	50.000	50.550	-1.1	86	0.00
51	T	4-Methyl-2-Pentanone	250.000	273.928	-9.6	93	0.00
52	CM	Toluene	50.000	52.609	-5.2#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	49.537	0.9	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.363	-0.7	89	0.00
55	T	1,1,2-Trichloroethane	50.000	53.337	-6.7	96	0.00
56	T	Ethyl methacrylate	50.000	57.895	-15.8	92	0.00
57	T	1,3-Dichloropropane	50.000	52.504	-5.0	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	281.718	-12.7	86	0.00
59	T	2-Hexanone	250.000	274.212	-9.7	92	0.00
60	T	Dibromochloromethane	50.000	55.685	-11.4	95	0.00
61	T	1,2-Dibromoethane	50.000	51.703	-3.4	94	0.00
62	S	4-Bromofluorobenzene	50.000	50.847	-1.7	85	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	88	0.00
64	T	Tetrachloroethene	50.000	50.919	-1.8	95	0.00
65	PM	Chlorobenzene	50.000	49.133	1.7	91	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.719	-5.4	96	0.00
67	C	Ethyl Benzene	50.000	51.777	-3.6#	90	0.00
68	T	m/p-Xylenes	100.000	106.096	-6.1	90	0.00
69	T	o-Xylene	50.000	54.006	-8.0	91	0.00
70	T	Styrene	50.000	54.553	-9.1	92	0.00
71	P	Bromoform	50.000	55.027	-10.1	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73	T	Isopropylbenzene	50.000	52.240	-4.5	89	0.00
74	T	N-amyl acetate	50.000	52.637	-5.3	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.190	-2.4	97	0.00
76	T	1,2,3-Trichloropropane	50.000	49.980	0.0	98	0.00
77	T	Bromobenzene	50.000	49.606	0.8	92	0.00
78	T	n-propylbenzene	50.000	51.475	-3.0	87	0.00
79	T	2-Chlorotoluene	50.000	50.528	-1.1	90	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.846	-9.7	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.313	3.4	88	0.00
82	T	4-Chlorotoluene	50.000	48.747	2.5	88	0.00
83	T	tert-Butylbenzene	50.000	57.071	-14.1	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.931	-9.9	91	0.00
85	T	sec-Butylbenzene	50.000	52.708	-5.4	88	0.00
86	T	p-Isopropyltoluene	50.000	54.669	-9.3	87	0.00
87	T	1,3-Dichlorobenzene	50.000	46.928	6.1	90	0.00
88	T	1,4-Dichlorobenzene	50.000	51.197	-2.4	90	0.00
89	T	n-Butylbenzene	50.000	47.593	4.8	83	0.00
90	T	Hexachloroethane	50.000	47.599	4.8	87	0.00
91	T	1,2-Dichlorobenzene	50.000	48.883	2.2	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.136	3.7	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	43.925	12.2	86	0.00
94	T	Hexachlorobutadiene	50.000	45.217	9.6	91	0.00
95	T	Naphthalene	50.000	47.826	4.3	87	0.00

Sample Results: **VN084716.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084716.D
Acq On : 07 Nov 2024 11:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 00:22:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 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	45.563	8.9	89	0.00

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

QC SAMPLE DATA

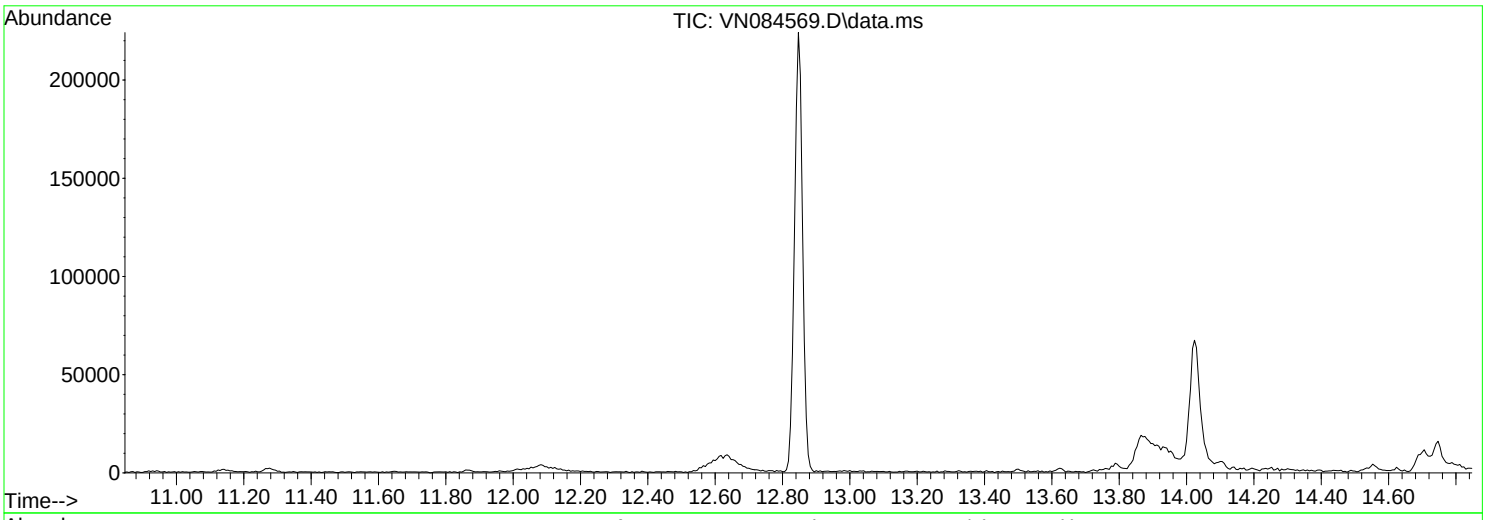
Sample Results: **VN084569.D**

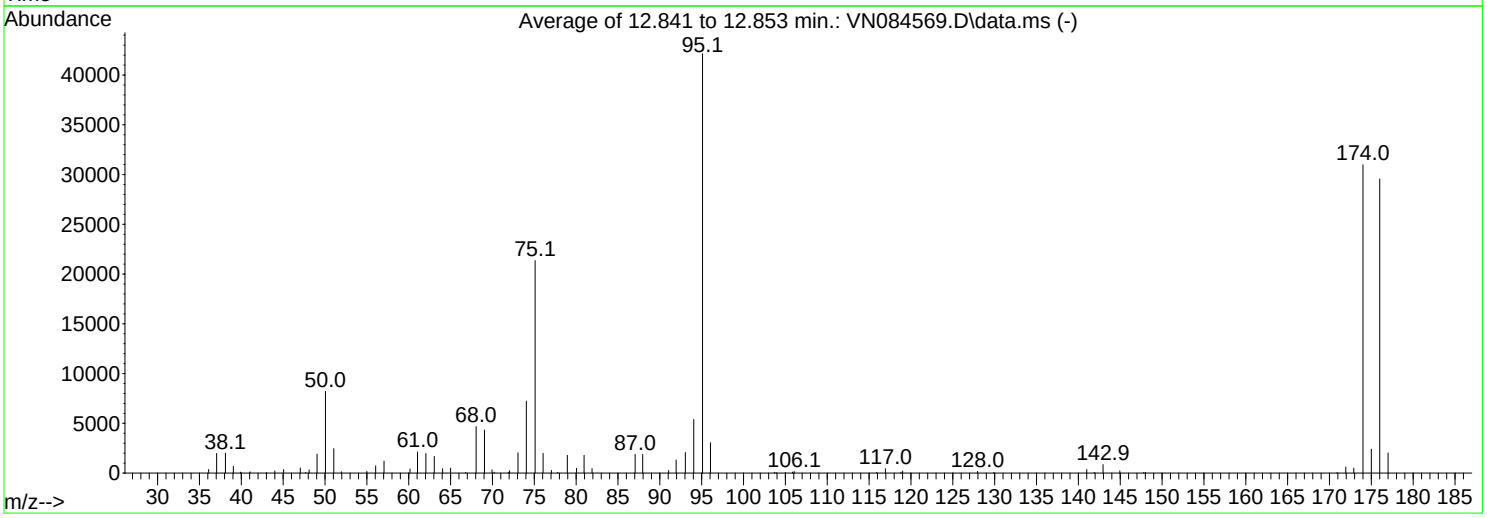
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084569.D
Acq On : 30 Oct 2024 10:42
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 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	19.5	8210	PASS
75	95	30	60	50.7	21357	PASS
95	95	100	100	100.0	42141	PASS
96	95	5	9	7.2	3053	PASS
173	174	0.00	2	1.6	502	PASS
174	95	50	100	73.5	30984	PASS
175	174	5	9	7.7	2392	PASS
176	174	95	101	95.4	29560	PASS
177	176	5	9	6.9	2026	PASS

Average of 12.841 to 12.853 min.: VN084569.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	359	48.10	321	63.05	1677	74.05	7235
37.05	1972	49.05	1905	64.05	441	75.10	21357
38.10	2004	50.05	8210	65.00	496	76.05	1981
39.05	674	51.05	2454	66.80	70	77.05	266
39.90	98	51.95	137	68.05	4674	77.80	63
41.05	129	55.00	174	69.05	4327	78.95	1789
43.00	58	56.05	724	69.95	329	80.05	481
44.00	211	57.05	1205	70.20	94	80.95	1784
45.05	351	60.15	415	71.90	82	81.90	450
47.05	515	61.05	2127	72.05	237	87.05	1893
47.70	66	62.05	1973	73.05	2035	87.95	1870

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084569.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.05	256	115.90	54	148.00	75		
91.95	1316	116.95	438	170.90	52		
93.05	2070	118.80	90	171.95	607		
94.05	5401	119.00	202	172.90	502		
95.10	42141	127.95	162	174.00	30984		
96.05	3053	129.90	69	175.00	2392		
103.70	65	141.00	358	176.00	29560		
103.90	65	141.90	66	177.00	2026		
105.00	53	142.95	857				
105.85	107	144.95	228				
106.05	162	147.80	53				

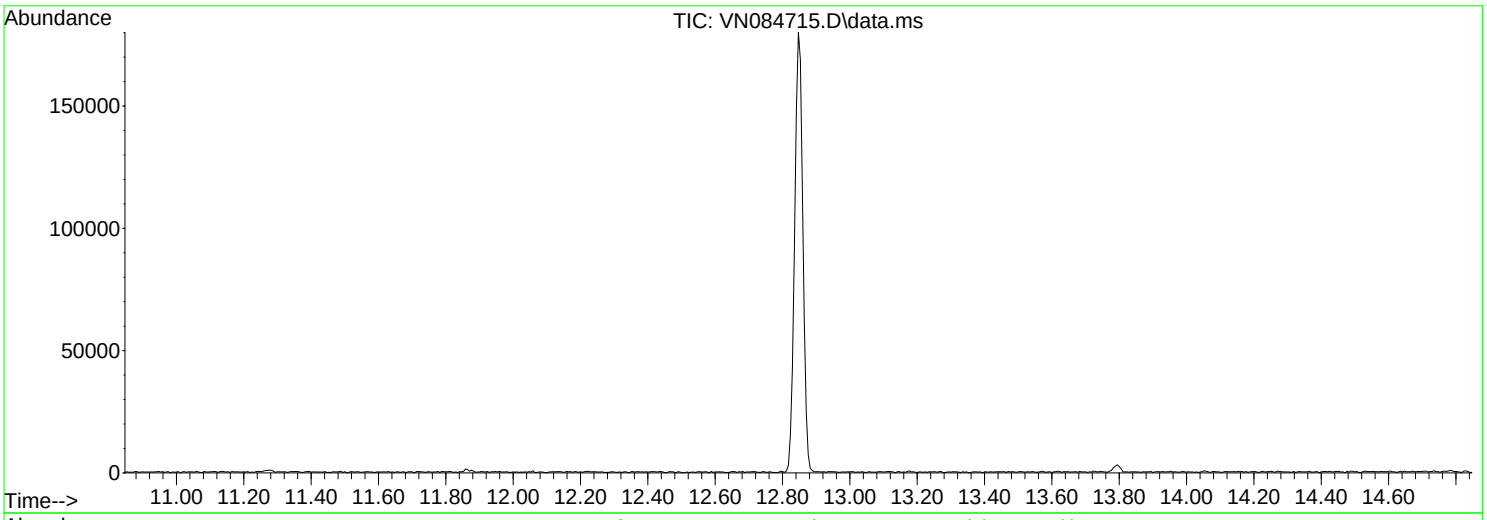
Sample Results: **VN084715.D**

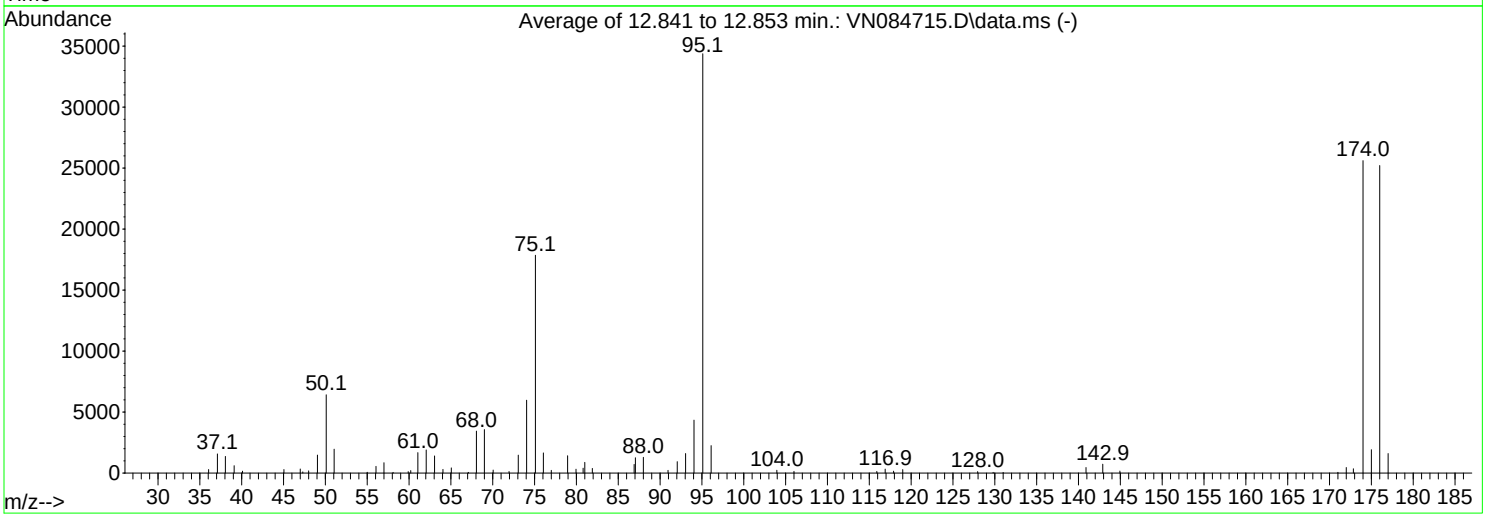
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084715.D
Acq On : 07 Nov 2024 10:59
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 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	18.7	6416	PASS
75	95	30	60	51.9	17856	PASS
95	95	100	100	100.0	34376	PASS
96	95	5	9	6.5	2250	PASS
173	174	0.00	2	1.4	356	PASS
174	95	50	100	74.5	25611	PASS
175	174	5	9	7.5	1919	PASS
176	174	95	101	98.4	25213	PASS
177	176	5	9	6.3	1601	PASS

Average of 12.841 to 12.853 min.: VN084715.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	292	51.05	1958	65.05	424	78.95	1422
37.10	1572	55.00	68	67.10	60	79.95	318
38.05	1364	56.05	552	68.05	3439	80.80	400
39.10	609	57.00	851	69.00	3566	81.00	877
40.10	158	58.10	56	70.05	249	81.90	381
45.05	290	59.90	120	71.95	131	86.90	711
47.00	336	60.20	207	73.05	1471	87.05	1254
47.30	101	61.05	1677	74.05	5975	88.00	1290
48.00	183	62.05	1896	75.10	17856	90.95	226
49.05	1475	63.05	1405	76.05	1654	92.05	939
50.10	6416	64.05	302	77.00	224	93.05	1602

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084715.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	4340	131.00	53				
95.10	34376	140.90	457				
96.10	2250	142.90	729				
103.95	233	144.95	164				
106.00	143	171.00	65				
115.90	137	172.00	457				
116.90	327	172.85	356				
117.90	159	174.00	25611				
119.00	287	175.00	1919				
127.95	122	176.00	25213				
129.80	60	177.00	1601				

Raw Data: **VN084717.D**

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

Report of Analysis

Client:	Furino and Sons, Inc.	Date Collected:	
Project:	PPE Contamination	Date Received:	
Client Sample ID:	VN1107MBL01	SDG No.:	P4732
Lab Sample ID:	VN1107MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084717.D	1		11/07/24 12:24	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	170	U	170	500	ug/Kg
74-87-3	Chloromethane	120	U	120	500	ug/Kg
75-01-4	Vinyl Chloride	77.0	U	77.0	500	ug/Kg
74-83-9	Bromomethane	100	U	100	500	ug/Kg
75-00-3	Chloroethane	100	U	100	500	ug/Kg
75-69-4	Trichlorofluoromethane	91.0	U	91.0	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	78.0	U	78.0	500	ug/Kg
67-64-1	Acetone	620	U	620	2500	ug/Kg
75-15-0	Carbon Disulfide	130	U	130	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	67.0	U	67.0	500	ug/Kg
79-20-9	Methyl Acetate	180	U	180	500	ug/Kg
75-09-2	Methylene Chloride	340	U	340	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	84.0	U	84.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	63.0	U	63.0	500	ug/Kg
110-82-7	Cyclohexane	69.0	U	69.0	500	ug/Kg
78-93-3	2-Butanone	570	U	570	2500	ug/Kg
56-23-5	Carbon Tetrachloride	87.0	U	87.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	61.0	U	61.0	500	ug/Kg
74-97-5	Bromochloromethane	240	U	240	500	ug/Kg
67-66-3	Chloroform	67.0	U	67.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	78.0	U	78.0	500	ug/Kg
108-87-2	Methylcyclohexane	87.0	U	87.0	500	ug/Kg
71-43-2	Benzene	72.0	U	72.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	61.0	U	61.0	500	ug/Kg
79-01-6	Trichloroethene	75.0	U	75.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	66.0	U	66.0	500	ug/Kg
75-27-4	Bromodichloromethane	56.0	U	56.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	440	U	440	2500	ug/Kg
108-88-3	Toluene	67.0	U	67.0	500	ug/Kg

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Project:	PPE Contamination	Date Received:	
Client Sample ID:	VN1107MBL01	SDG No.:	P4732
Lab Sample ID:	VN1107MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084717.D	1		11/07/24 12:24	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	60.0	U	60.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	57.0	U	57.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	84.0	U	84.0	500	ug/Kg
591-78-6	2-Hexanone	480	U	480	2500	ug/Kg
124-48-1	Dibromochloromethane	65.0	U	65.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	79.0	U	79.0	500	ug/Kg
127-18-4	Tetrachloroethene	89.0	U	89.0	500	ug/Kg
108-90-7	Chlorobenzene	74.0	U	74.0	500	ug/Kg
100-41-4	Ethyl Benzene	62.0	U	62.0	500	ug/Kg
179601-23-1	m/p-Xylenes	140	U	140	1000	ug/Kg
95-47-6	o-Xylene	70.0	U	70.0	500	ug/Kg
100-42-5	Styrene	60.0	U	60.0	500	ug/Kg
75-25-2	Bromoform	81.0	U	81.0	500	ug/Kg
98-82-8	Isopropylbenzene	67.0	U	67.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	110	U	110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	74.0	U	74.0	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	80.0	U	80.0	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.0	U	59.0	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	160	U	160	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	79.0	U	79.0	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	78.0	U	78.0	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		50 - 163	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		54 - 147	102%	SPK: 50
2037-26-5	Toluene-d8	46.8		58 - 134	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		29 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	8.224			
540-36-3	1,4-Difluorobenzene	261000	9.1			
3114-55-4	Chlorobenzene-d5	224000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	94400	13.794			

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Report of Analysis

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Project:	PPE Contamination	Date Received:	
Client Sample ID:	VN1107MBL01	SDG No.:	P4732
Lab Sample ID:	VN1107MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084717.D	1		11/07/24 12:24	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VN110724\
Data File : VN084717.D
Acq On : 07 Nov 2024 12:24
Operator : JC\MD
Sample : VN1107MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Quant Time: Nov 08 00:23:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	152647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	260913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	224097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107174	48.611	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.220%			
35) Dibromofluoromethane	8.165	113	89726	50.806	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.620%			
50) Toluene-d8	10.565	98	304649	46.829	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.660%			
62) 4-Bromofluorobenzene	12.847	95	108933	44.803	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.600%			
Target Compounds						Qvalue

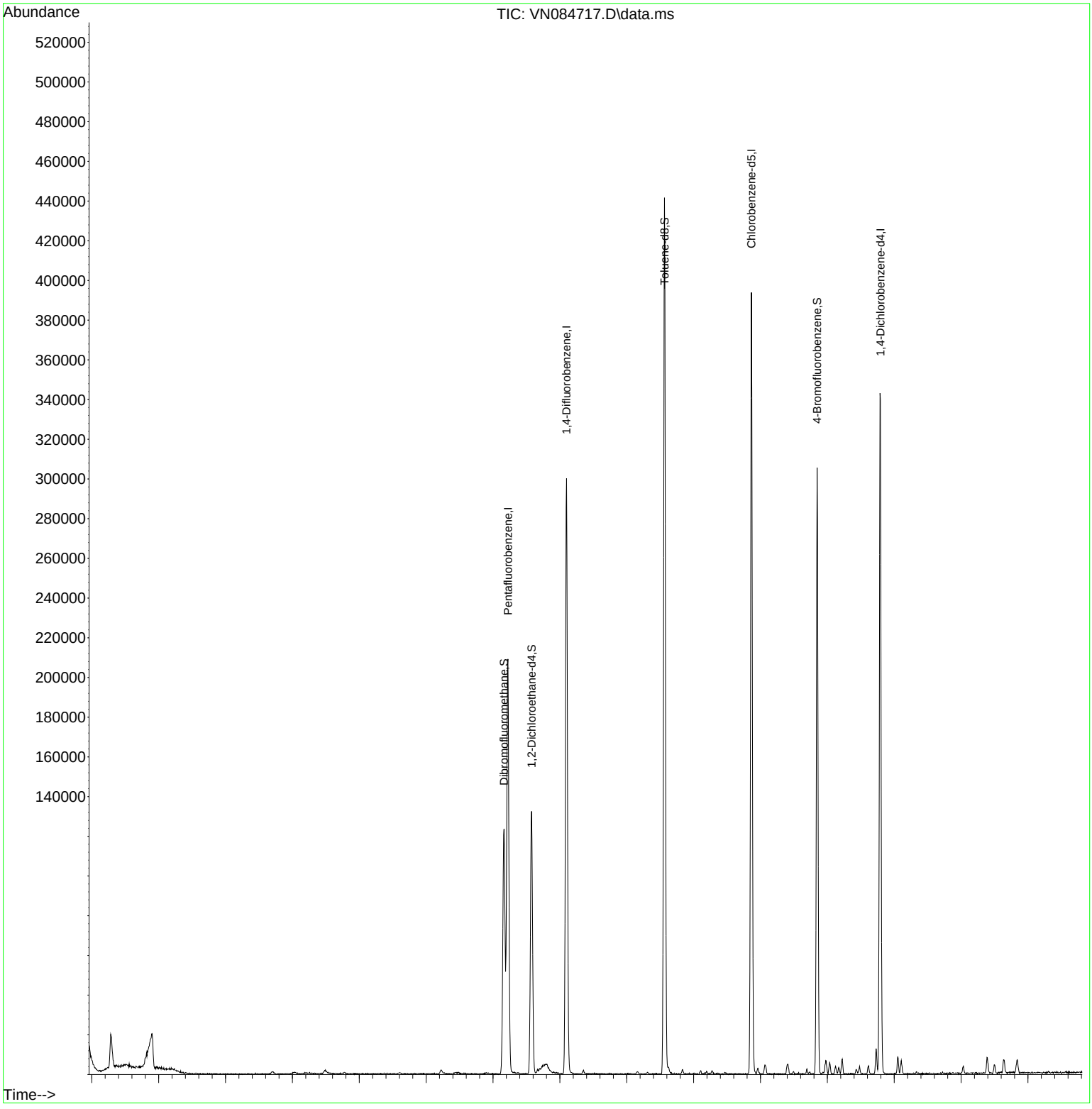
(#) = qualifier out of range (m) = manual integration (+) = signals summed

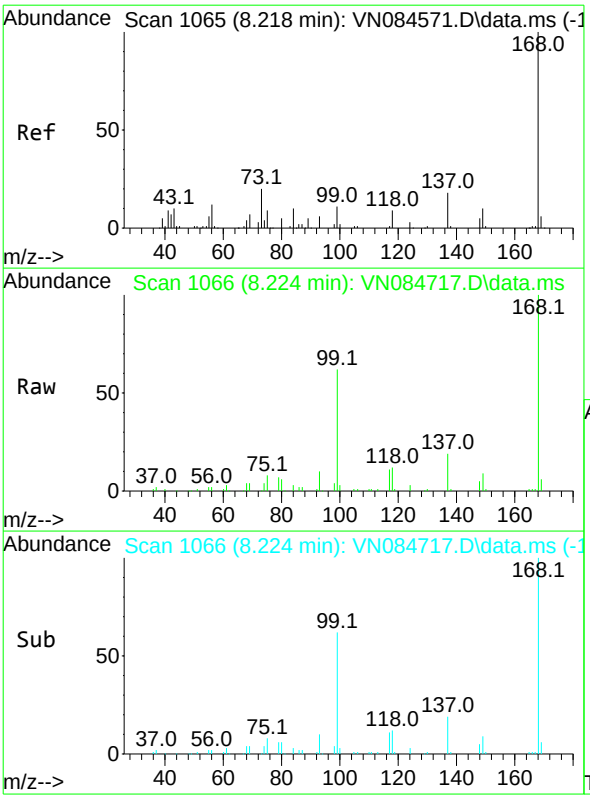
Sample Results: **VN084717.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084717.D
Acq On : 07 Nov 2024 12:24
Operator : JC\MD
Sample : VN1107MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Quant Time: Nov 08 00:23:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



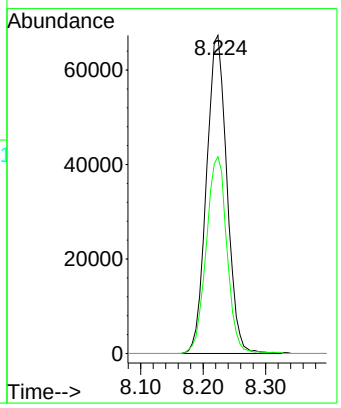


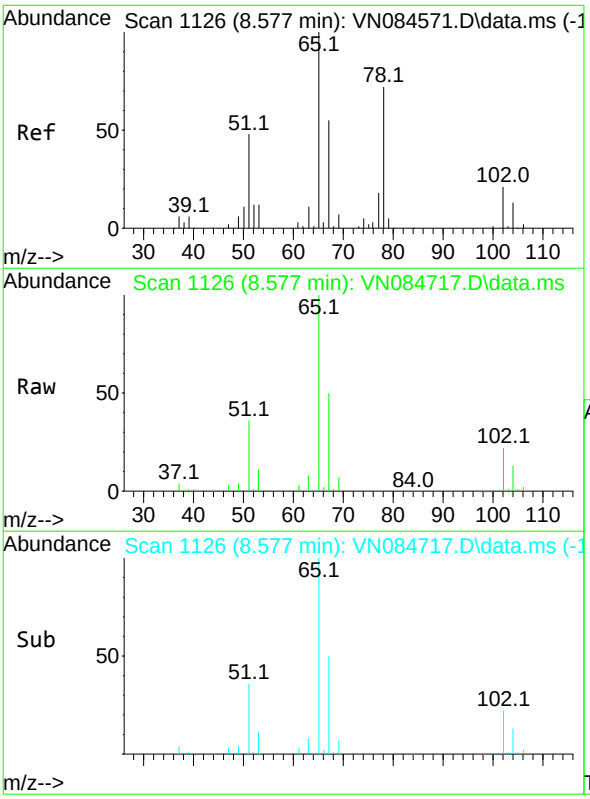
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084717.D
Acq: 07 Nov 2024 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Tgt Ion:168 Resp: 152647

Ion	Ratio	Lower	Upper
168	100		
99	61.9	54.2	81.2

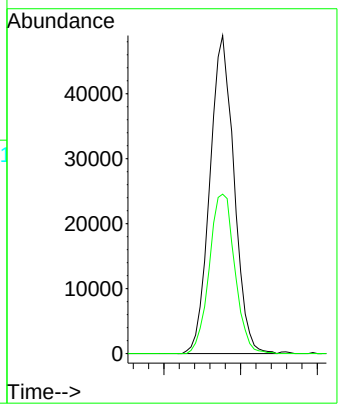


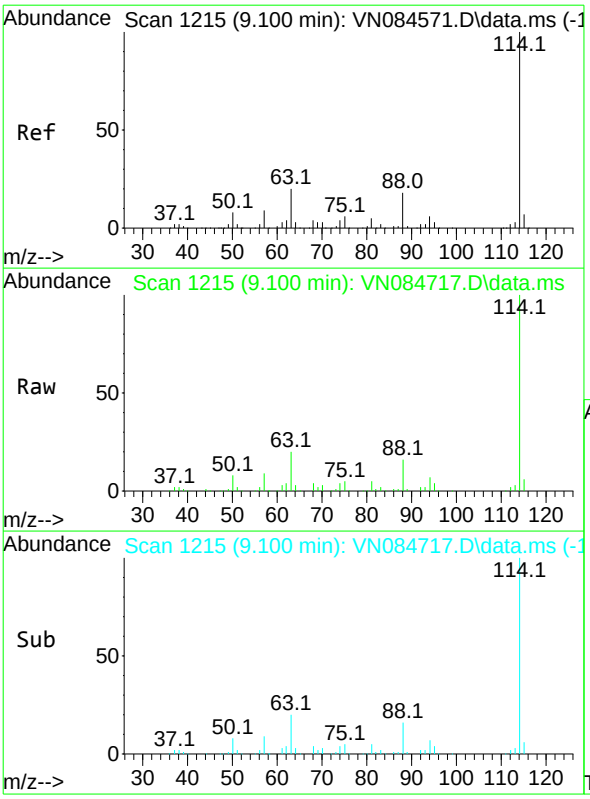


#33
1,2-Dichloroethane-d4
Concen: 48.611 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084717.D
Acq: 07 Nov 2024 12:24

Tgt Ion: 65 Resp: 107174

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.0



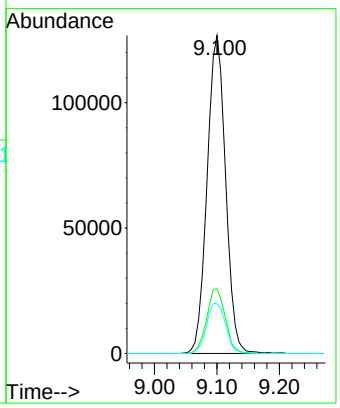


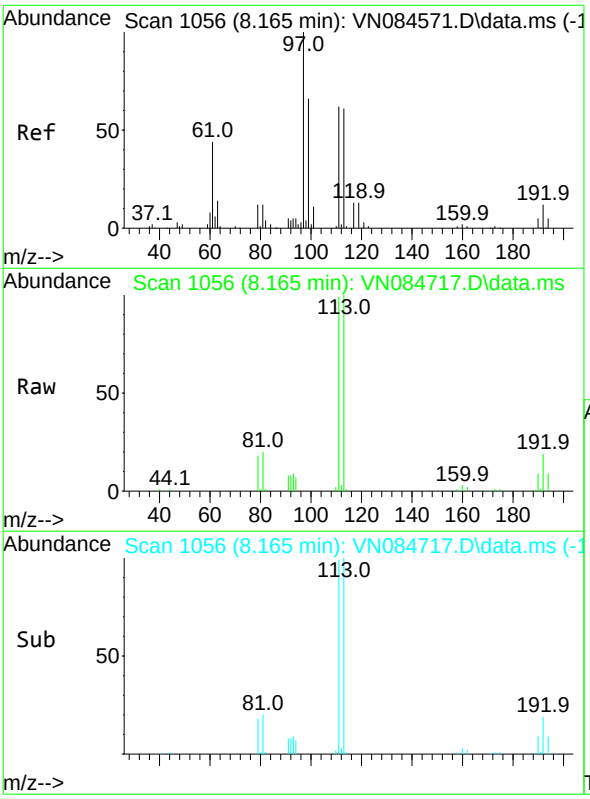
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084717.D
Acq: 07 Nov 2024 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Tgt Ion:114 Resp: 260913

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	43.8
88	15.6	0.0	31.6

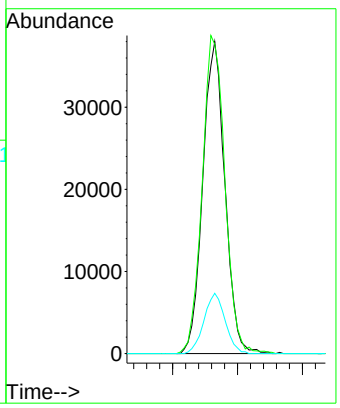


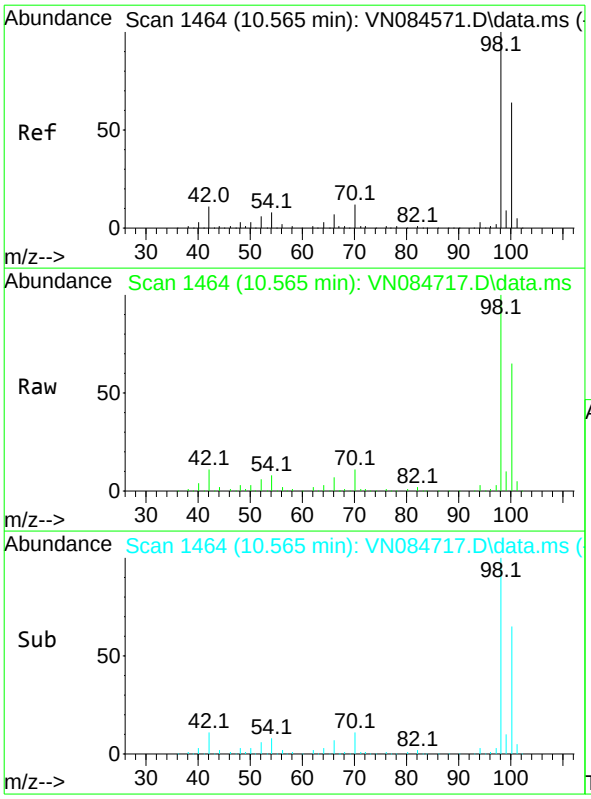


#35
Dibromofluoromethane
Concen: 50.806 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084717.D
Acq: 07 Nov 2024 12:24

Tgt Ion:113 Resp: 89726

Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.3	124.9
192	18.6	13.5	20.3



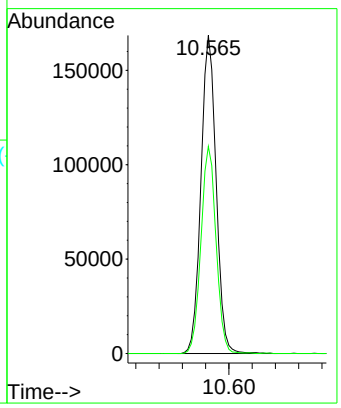


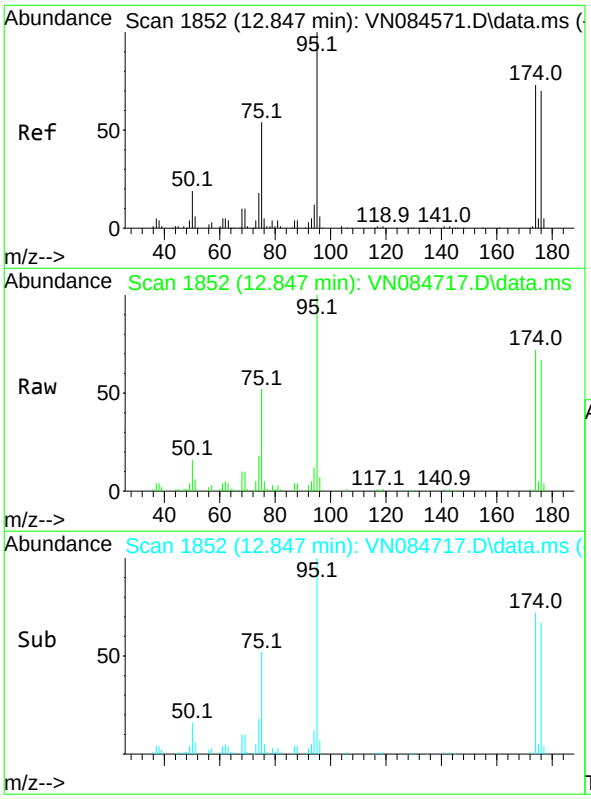
#50
Toluene-d8
Concen: 46.829 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084717.D
Acq: 07 Nov 2024 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Tgt Ion: 98 Resp: 304649

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1

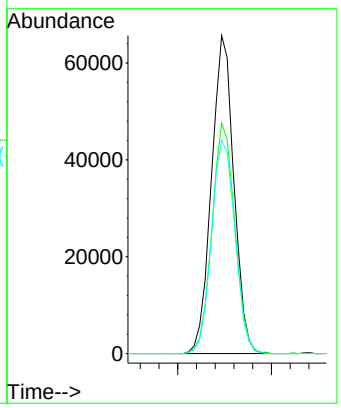


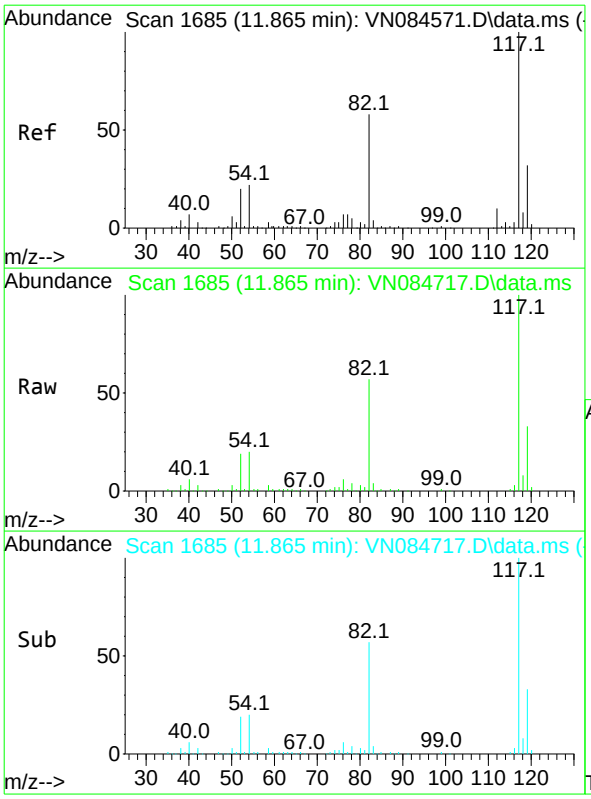


#62
4-Bromofluorobenzene
Concen: 44.803 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084717.D
Acq: 07 Nov 2024 12:24

Tgt Ion: 95 Resp: 108933

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.2
176	70.4	0.0	140.0



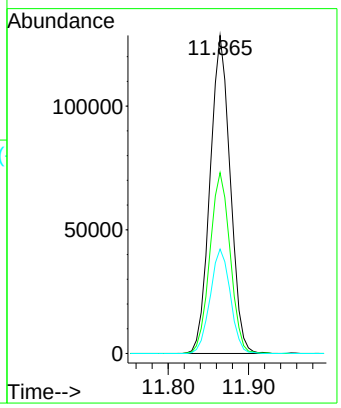


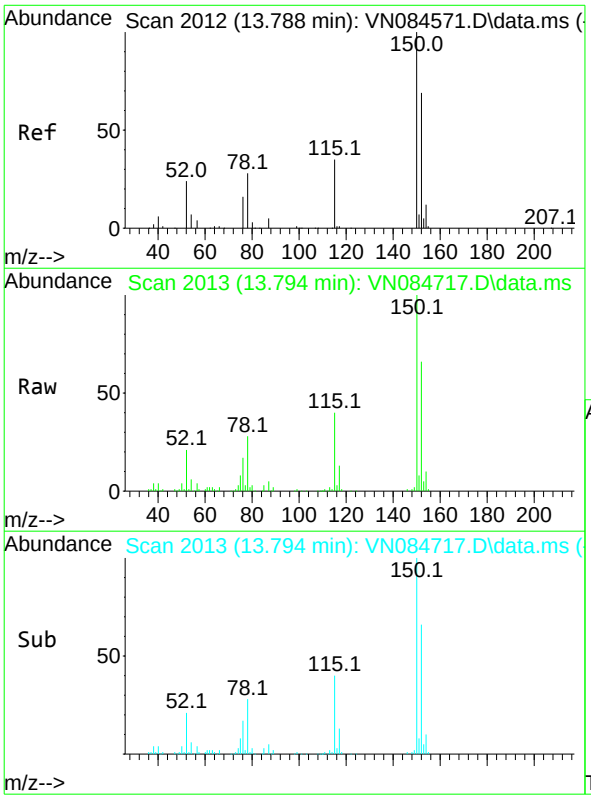
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084717.D
Acq: 07 Nov 2024 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Tgt Ion:117 Resp: 224097

Ion	Ratio	Lower	Upper
117	100		
82	56.9	47.2	70.8
119	32.8	25.4	38.0

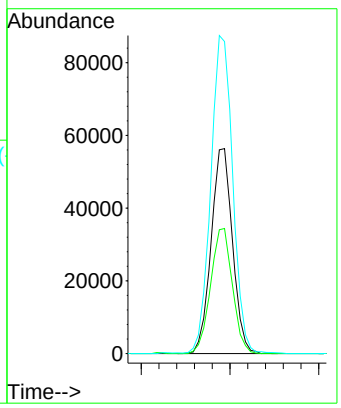




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084717.D
Acq: 07 Nov 2024 12:24

Tgt Ion:152 Resp: 94404

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	159.4	0.0	349.8



Sample Results: **VN084717.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084717.D
Acq On : 07 Nov 2024 12:24
Operator : JC\MD
Sample : VN1107MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084717.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.283	50	56	65	rBV	16964	39833	4.98%	0.876%
2	2.818	138	147	148	rBV4	6958	12839	1.61%	0.282%
3	2.900	148	161	168	rVB8	17577	73844	9.23%	1.624%
4	8.165	1046	1056	1060	rBV	123411	289693	36.22%	6.371%
5	8.224	1060	1066	1075	rVB	207973	472267	59.05%	10.386%
6	8.577	1116	1126	1136	rBV	132106	294807	36.86%	6.483%
7	9.100	1205	1215	1227	rBV	299992	615171	76.92%	13.528%
8	10.565	1456	1464	1473	rBV	441307	799796	100.00%	17.588%
9	11.865	1676	1685	1697	rVV	393716	694978	86.89%	15.283%
10	12.065	1714	1719	1727	rBV4	4655	9586	1.20%	0.211%
11	12.406	1772	1777	1782	rBV5	5072	10240	1.28%	0.225%
12	12.847	1845	1852	1862	rVB	305486	511028	63.89%	11.238%
13	12.976	1869	1874	1880	rVB3	6819	12575	1.57%	0.277%
14	13.035	1880	1884	1888	rBV2	5722	8672	1.08%	0.191%
15	13.223	1911	1916	1920	rVB2	7405	11112	1.39%	0.244%
16	13.729	1995	2002	2006	rBV3	12729	19163	2.40%	0.421%
17	13.788	2006	2012	2024	rVB	342783	598261	74.80%	13.156%
18	14.053	2053	2057	2062	rBV	8406	12509	1.56%	0.275%
19	14.106	2062	2066	2074	rVB2	6799	10642	1.33%	0.234%
20	15.388	2279	2284	2291	rVB4	7986	13842	1.73%	0.304%
21	15.500	2298	2303	2310	rVB6	4595	8107	1.01%	0.178%
22	15.635	2322	2326	2335	rVB2	6915	13998	1.75%	0.308%
23	15.841	2353	2361	2367	rVB4	6932	14399	1.80%	0.317%

Sum of corrected areas: 4547362

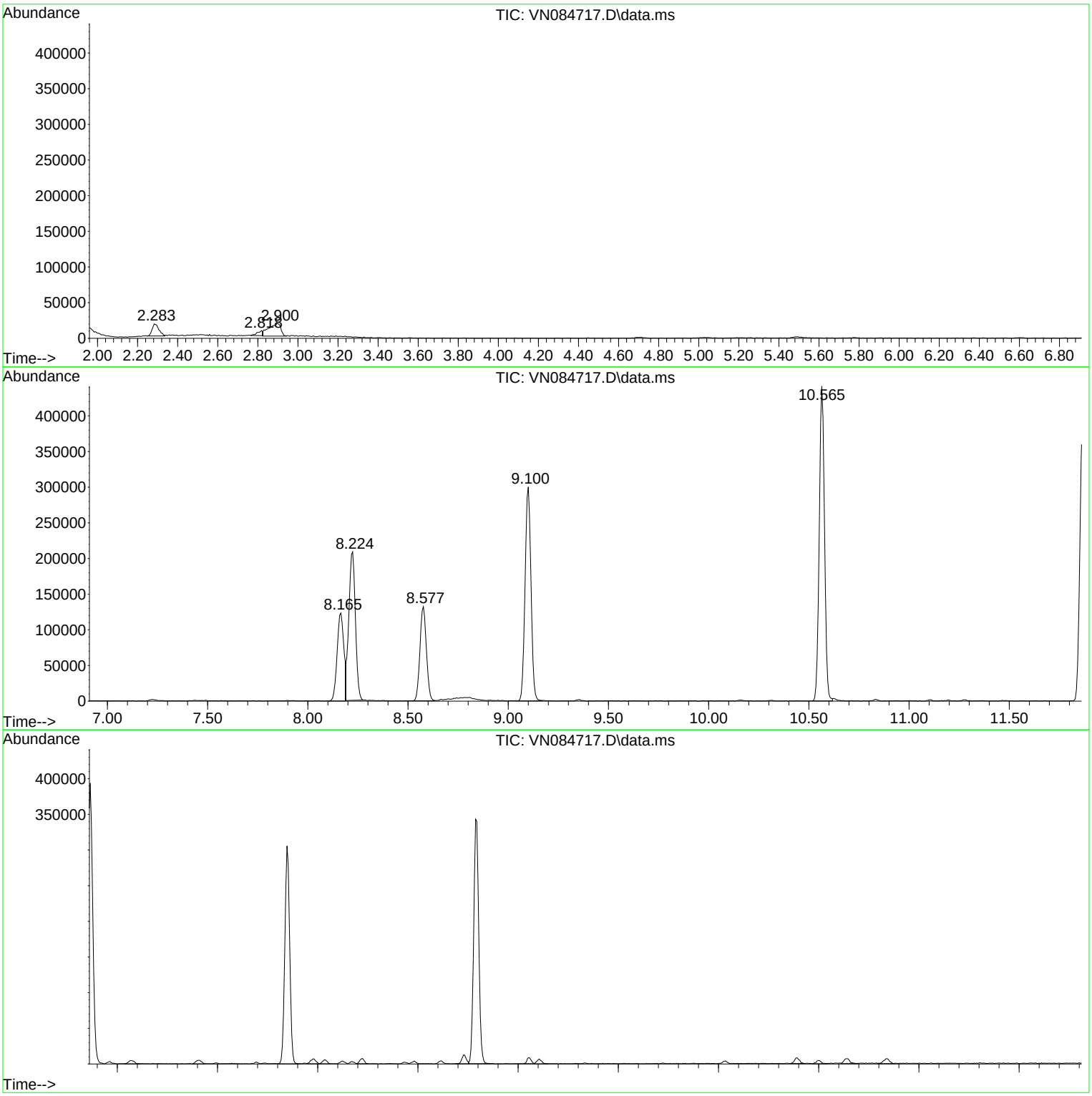
Sample Results: **VN084717.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084717.D
Acq On : 07 Nov 2024 12:24
Operator : JC\MD
Sample : VN1107MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VN084717.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084717.D
Acq On : 07 Nov 2024 12:24
Operator : JC\MD
Sample : VN1107MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084717.D
Acq On : 07 Nov 2024 12:24
Operator : JC\MD
Sample : VN1107MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VN084719.D**

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

Report of Analysis

Client:	Furino and Sons, Inc.	Date Collected:	
Project:	PPE Contamination	Date Received:	
Client Sample ID:	VN1107MBS01	SDG No.:	P4732
Lab Sample ID:	VN1107MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084719.D	1		11/07/24 13:34	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2000		170	500	ug/Kg
74-87-3	Chloromethane	1700		120	500	ug/Kg
75-01-4	Vinyl Chloride	2000		77.0	500	ug/Kg
74-83-9	Bromomethane	2000		100	500	ug/Kg
75-00-3	Chloroethane	2000		100	500	ug/Kg
75-69-4	Trichlorofluoromethane	2000		91.0	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2100		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1900		78.0	500	ug/Kg
67-64-1	Acetone	11700		620	2500	ug/Kg
75-15-0	Carbon Disulfide	1700		130	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2100		67.0	500	ug/Kg
79-20-9	Methyl Acetate	1700		180	500	ug/Kg
75-09-2	Methylene Chloride	2000		340	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1900		84.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	2000		63.0	500	ug/Kg
110-82-7	Cyclohexane	2000		69.0	500	ug/Kg
78-93-3	2-Butanone	10600		570	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2100		87.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2000		61.0	500	ug/Kg
74-97-5	Bromochloromethane	2500		240	500	ug/Kg
67-66-3	Chloroform	2100		67.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	2100		78.0	500	ug/Kg
108-87-2	Methylcyclohexane	2000		87.0	500	ug/Kg
71-43-2	Benzene	2100		72.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	2100		61.0	500	ug/Kg
79-01-6	Trichloroethene	2100		75.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	2100		66.0	500	ug/Kg
75-27-4	Bromodichloromethane	2200		56.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11400		440	2500	ug/Kg
108-88-3	Toluene	2200		67.0	500	ug/Kg

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

Report of Analysis

Client:	Furino and Sons, Inc.	Date Collected:	
Project:	PPE Contamination	Date Received:	
Client Sample ID:	VN1107MBS01	SDG No.:	P4732
Lab Sample ID:	VN1107MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084719.D	1		11/07/24 13:34	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2000		60.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2100		57.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2200		84.0	500	ug/Kg
591-78-6	2-Hexanone	11700		480	2500	ug/Kg
124-48-1	Dibromochloromethane	2300		65.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2100		79.0	500	ug/Kg
127-18-4	Tetrachloroethene	2000		89.0	500	ug/Kg
108-90-7	Chlorobenzene	2000		74.0	500	ug/Kg
100-41-4	Ethyl Benzene	2100		62.0	500	ug/Kg
179601-23-1	m/p-Xylenes	4200		140	1000	ug/Kg
95-47-6	o-Xylene	2200		70.0	500	ug/Kg
100-42-5	Styrene	2200		60.0	500	ug/Kg
75-25-2	Bromoform	2200		81.0	500	ug/Kg
98-82-8	Isopropylbenzene	2100		67.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900		110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		74.0	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		80.0	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1900		59.0	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1900		160	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		79.0	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1700		78.0	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.6		50 - 163	91%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		54 - 147	95%	SPK: 50
2037-26-5	Toluene-d8	47.4		58 - 134	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		29 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	8.224			
540-36-3	1,4-Difluorobenzene	306000	9.1			
3114-55-4	Chlorobenzene-d5	282000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.788			

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

Report of Analysis

Client:	Furino and Sons, Inc.	Date Collected:	
Project:	PPE Contamination	Date Received:	
Client Sample ID:	VN1107MBS01	SDG No.:	P4732
Lab Sample ID:	VN1107MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084719.D	1		11/07/24 13:34	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **VN084719.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084719.D
Acq On : 07 Nov 2024 13:34
Operator : JC\MD
Sample : VN1107MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:24:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123293	45.607	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.220%			
35) Dibromofluoromethane	8.165	113	98553	47.519	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.565	98	362031	47.388	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.780%			
62) 4-Bromofluorobenzene	12.847	95	143968	50.423	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	42801	19.892	ug/l	96
3) Chloromethane	2.365	50	46590	16.779	ug/l	100
4) Vinyl Chloride	2.512	62	45416	19.625	ug/l	97
5) Bromomethane	2.901	94	24309	19.825	ug/l	93
6) Chloroethane	3.083	64	30222	20.268	ug/l	95
7) Trichlorofluoromethane	3.471	101	75236	19.736	ug/l	94
8) Diethyl Ether	3.953	74	26962	20.049	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	44713	20.757	ug/l	96
10) Methyl Iodide	4.577	142	59314	20.603	ug/l	94
11) Tert butyl alcohol	5.530	59	35477	99.421	ug/l	97
12) 1,1-Dichloroethene	4.330	96	40859	19.169	ug/l	97
13) Acrolein	4.177	56	23580	66.268	ug/l	98
14) Allyl chloride	5.018	41	66542	19.250	ug/l	94
15) Acrylonitrile	5.712	53	108641	105.168	ug/l	97
16) Acetone	4.424	43	92787	117.307	ug/l	98
17) Carbon Disulfide	4.700	76	112236	17.099	ug/l	98
18) Methyl Acetate	5.024	43	54855	16.561	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	136952	20.963	ug/l	99
20) Methylene Chloride	5.271	84	48462	20.382	ug/l	87
21) trans-1,2-Dichloroethene	5.777	96	41656	19.033	ug/l	96
22) Diisopropyl ether	6.671	45	143876	20.947	ug/l	97
23) Vinyl Acetate	6.600	43	499031	105.356	ug/l	98
24) 1,1-Dichloroethane	6.559	63	83392	20.223	ug/l	100
25) 2-Butanone	7.477	43	133221	105.630	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73712	20.538	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	51566	20.178	ug/l	97
28) Bromochloromethane	7.806	49	41539	25.284	ug/l	94
29) Tetrahydrofuran	7.836	42	87427	104.490	ug/l	96
30) Chloroform	7.959	83	88977	21.199	ug/l	96
31) Cyclohexane	8.253	56	73202	19.613	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	80039	20.952	ug/l	96
36) 1,1-Dichloropropene	8.365	75	59508	20.689	ug/l	99
37) Ethyl Acetate	7.559	43	54430	20.857	ug/l	97
38) Carbon Tetrachloride	8.359	117	69087	21.489	ug/l	98
39) Methylcyclohexane	9.594	83	59810	20.440	ug/l	97
40) Benzene	8.600	78	191149	20.693	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084719.D
Acq On : 07 Nov 2024 13:34
Operator : JC\MD
Sample : VN1107MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:24:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	29932	21.329 ug/l	96
42) 1,2-Dichloroethane	8.671	62	63815	21.332 ug/l	99
43) Isopropyl Acetate	8.688	43	97626	19.664 ug/l	99
44) Trichloroethene	9.353	130	44376	20.831 ug/l	98
45) 1,2-Dichloropropane	9.618	63	45170	20.846 ug/l	100
46) Dibromomethane	9.706	93	33187	21.705 ug/l	97
47) Bromodichloromethane	9.882	83	69454	21.549 ug/l	98
48) Methyl methacrylate	9.682	41	44848	22.081 ug/l	96
49) 1,4-Dioxane	9.694	88	15712	436.553 ug/l #	92
51) 4-Methyl-2-Pentanone	10.447	43	284375	114.308 ug/l	98
52) Toluene	10.629	92	117520	21.753 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	67026	20.090 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	73108	20.704 ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	45157	22.190 ug/l	96
56) Ethyl methacrylate	10.871	69	68637	23.318 ug/l	96
57) 1,3-Dichloropropane	11.159	76	76331	21.856 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	127555	92.607 ug/l	95
59) 2-Hexanone	11.194	43	211763	116.943 ug/l	98
60) Dibromochloromethane	11.359	129	53167	22.924 ug/l	99
61) 1,2-Dibromoethane	11.471	107	44505	21.356 ug/l	98
64) Tetrachloroethene	11.100	164	37878	20.166 ug/l	98
65) Chlorobenzene	11.888	112	127763	20.224 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	46698	21.252 ug/l	98
67) Ethyl Benzene	11.965	91	217156	20.593 ug/l	100
68) m/p-Xylenes	12.071	106	169497	42.457 ug/l	100
69) o-Xylene	12.394	106	81792	21.901 ug/l	99
70) Styrene	12.412	104	142824	21.923 ug/l	98
71) Bromoform	12.576	173	36490	22.069 ug/l #	97
73) Isopropylbenzene	12.694	105	209311	20.750 ug/l	99
74) N-amyl acetate	12.494	43	83910	19.544 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	64944	19.288 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	61715m	21.448 ug/l	
77) Bromobenzene	12.982	156	52476	19.351 ug/l	93
78) n-propylbenzene	13.035	91	242069	20.478 ug/l	99
79) 2-Chlorotoluene	13.123	91	158006	20.457 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	181267	21.681 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	23028	18.986 ug/l	93
82) 4-Chlorotoluene	13.223	91	155843	19.173 ug/l	99
83) tert-Butylbenzene	13.435	119	150628	21.769 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	184217	21.349 ug/l	99
85) sec-Butylbenzene	13.618	105	204893	20.963 ug/l	99
86) p-Isopropyltoluene	13.729	119	171341	21.375 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	97321	18.389 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	94418	18.746 ug/l	99
89) n-Butylbenzene	14.059	91	135557	18.078 ug/l	99
90) Hexachloroethane	14.335	117	34643	19.379 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	95850	18.848 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12915	18.934 ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	46607	16.744 ug/l	99
94) Hexachlorobutadiene	15.500	225	21225	17.364 ug/l	97
95) Naphthalene	15.641	128	139027	16.687 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	44886	16.612 ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084719.D
Acq On : 07 Nov 2024 13:34
Operator : JC\MD
Sample : VN1107MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:24:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024

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

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

Sample Results: **VN084719.D**

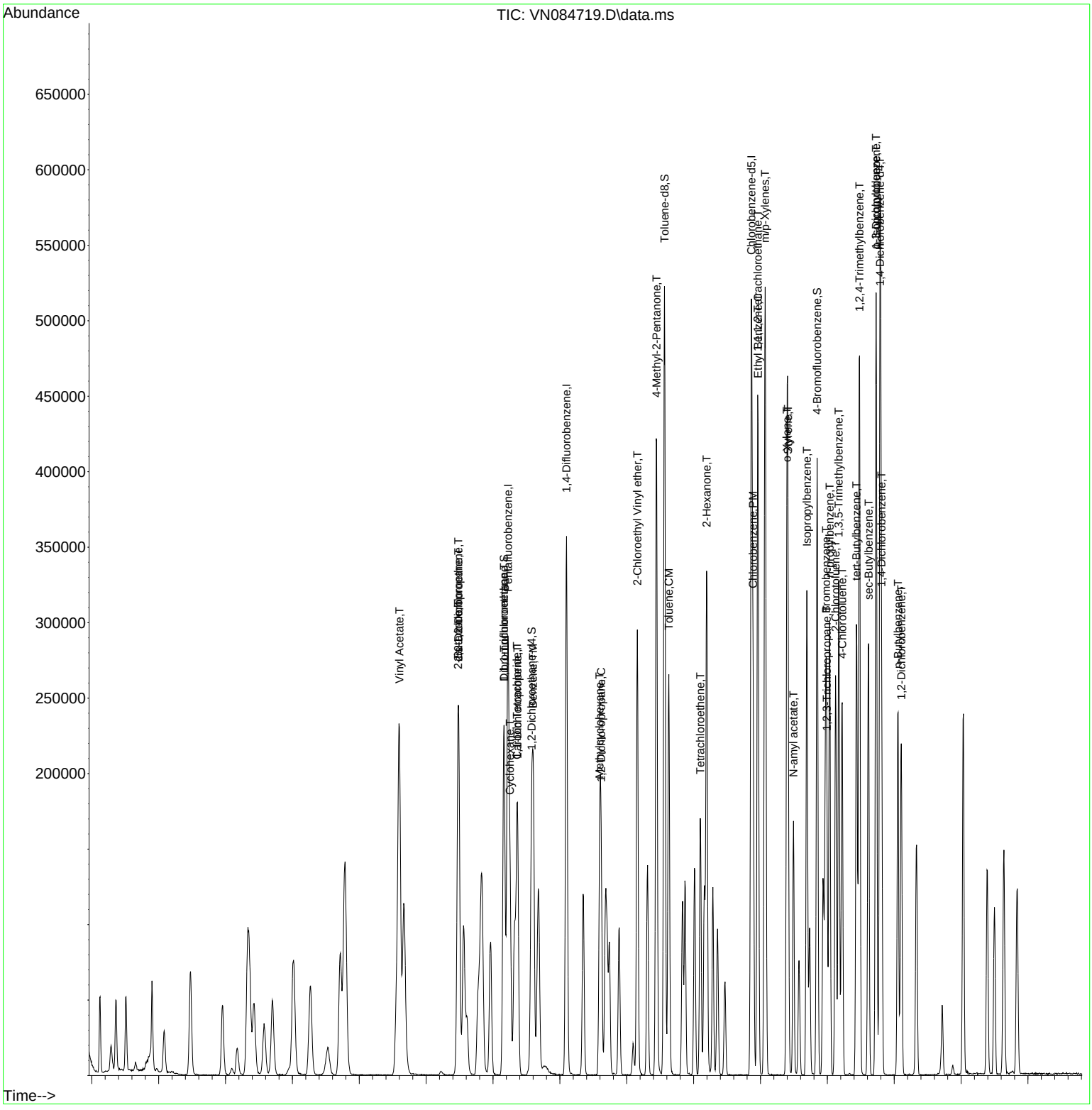
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084719.D
Acq On : 07 Nov 2024 13:34
Operator : JC\MD
Sample : VN1107MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:24:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024



Raw Data: **VN084720.D**

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

Report of Analysis

Client:	Furino and Sons, Inc.	Date Collected:	
Project:	PPE Contamination	Date Received:	
Client Sample ID:	VN1107MBSD01	SDG No.:	P4732
Lab Sample ID:	VN1107MBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084720.D	1		11/07/24 13:58	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2000		170	500	ug/Kg
74-87-3	Chloromethane	1800		120	500	ug/Kg
75-01-4	Vinyl Chloride	2000		77.0	500	ug/Kg
74-83-9	Bromomethane	2100		100	500	ug/Kg
75-00-3	Chloroethane	2100		100	500	ug/Kg
75-69-4	Trichlorofluoromethane	2100		91.0	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2200		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	2000		78.0	500	ug/Kg
67-64-1	Acetone	11700		620	2500	ug/Kg
75-15-0	Carbon Disulfide	1800		130	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2200		67.0	500	ug/Kg
79-20-9	Methyl Acetate	1900		180	500	ug/Kg
75-09-2	Methylene Chloride	2100		340	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2000		84.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	2100		63.0	500	ug/Kg
110-82-7	Cyclohexane	2000		69.0	500	ug/Kg
78-93-3	2-Butanone	11100		570	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2200		87.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2100		61.0	500	ug/Kg
74-97-5	Bromochloromethane	2600		240	500	ug/Kg
67-66-3	Chloroform	2200		67.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	2200		78.0	500	ug/Kg
108-87-2	Methylcyclohexane	2200		87.0	500	ug/Kg
71-43-2	Benzene	2200		72.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	2200		61.0	500	ug/Kg
79-01-6	Trichloroethene	2200		75.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	2200		66.0	500	ug/Kg
75-27-4	Bromodichloromethane	2200		56.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11700		440	2500	ug/Kg
108-88-3	Toluene	2300		67.0	500	ug/Kg

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

Report of Analysis

Client:	Furino and Sons, Inc.	Date Collected:	
Project:	PPE Contamination	Date Received:	
Client Sample ID:	VN1107MBSD01	SDG No.:	P4732
Lab Sample ID:	VN1107MBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084720.D	1		11/07/24 13:58	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2100		60.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2200		57.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2300		84.0	500	ug/Kg
591-78-6	2-Hexanone	12000		480	2500	ug/Kg
124-48-1	Dibromochloromethane	2400		65.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2200		79.0	500	ug/Kg
127-18-4	Tetrachloroethene	2200		89.0	500	ug/Kg
108-90-7	Chlorobenzene	2100		74.0	500	ug/Kg
100-41-4	Ethyl Benzene	2200		62.0	500	ug/Kg
179601-23-1	m/p-Xylenes	4500		140	1000	ug/Kg
95-47-6	o-Xylene	2300		70.0	500	ug/Kg
100-42-5	Styrene	2200		60.0	500	ug/Kg
75-25-2	Bromoform	2400		81.0	500	ug/Kg
98-82-8	Isopropylbenzene	2100		67.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2100		110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		74.0	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2100		80.0	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		59.0	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1800		160	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		79.0	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1800		78.0	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		50 - 163	91%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		54 - 147	95%	SPK: 50
2037-26-5	Toluene-d8	47.4		58 - 134	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		29 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	8.218			
540-36-3	1,4-Difluorobenzene	289000	9.1			
3114-55-4	Chlorobenzene-d5	261000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.788			

Raw Data: **VN084720.D**

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

Report of Analysis

Client:	Furino and Sons, Inc.	Date Collected:	
Project:	PPE Contamination	Date Received:	
Client Sample ID:	VN1107MBSD01	SDG No.:	P4732
Lab Sample ID:	VN1107MBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084720.D	1		11/07/24 13:58	VN110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **VN084720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084720.D
Acq On : 07 Nov 2024 13:58
Operator : JC\MD
Sample : VN1107MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:25:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	175664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	289091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115293	45.441	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.880%			
35) Dibromofluoromethane	8.159	113	92818	47.434	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.860%			
50) Toluene-d8	10.565	98	341578	47.387	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.780%			
62) 4-Bromofluorobenzene	12.847	95	132122	49.044	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41289	20.446	ug/l	93
3) Chloromethane	2.359	50	45645	17.632	ug/l	99
4) Vinyl Chloride	2.512	62	44408	20.446	ug/l	99
5) Bromomethane	2.901	94	24287	21.105	ug/l	100
6) Chloroethane	3.065	64	28992	20.748	ug/l	90
7) Trichlorofluoromethane	3.465	101	75125	20.997	ug/l	98
8) Diethyl Ether	3.954	74	26206	20.763	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.353	101	44295	21.910	ug/l	98
10) Methyl Iodide	4.577	142	58604	21.689	ug/l	96
11) Tert butyl alcohol	5.542	59	37052	110.636	ug/l	99
12) 1,1-Dichloroethene	4.330	96	40335	20.163	ug/l	93
13) Acrolein	4.177	56	23663	70.857	ug/l	97
14) Allyl chloride	5.012	41	66483	20.493	ug/l	92
15) Acrylonitrile	5.718	53	105075	108.378	ug/l	99
16) Acetone	4.430	43	87201	117.469	ug/l	92
17) Carbon Disulfide	4.701	76	111337	18.073	ug/l	99
18) Methyl Acetate	5.018	43	56300	18.516	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	134255	21.896	ug/l	96
20) Methylene Chloride	5.271	84	47486	21.280	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	41079	19.998	ug/l	99
22) Diisopropyl ether	6.671	45	137249	21.291	ug/l	98
23) Vinyl Acetate	6.600	43	481041	108.210	ug/l	97
24) 1,1-Dichloroethane	6.559	63	81536	21.068	ug/l	99
25) 2-Butanone	7.483	43	131257	110.889	ug/l	98
26) 2,2-Dichloropropane	7.483	77	73321	21.767	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	51367	21.416	ug/l	95
28) Bromochloromethane	7.812	49	39535	25.640	ug/l	91
29) Tetrahydrofuran	7.836	42	86058	109.590	ug/l	97
30) Chloroform	7.965	83	86548	21.971	ug/l	96
31) Cyclohexane	8.253	56	70526	20.134	ug/l	90
32) 1,1,1-Trichloroethane	8.159	97	77436	21.598	ug/l	98
36) 1,1-Dichloropropene	8.365	75	56754	20.913	ug/l	99
37) Ethyl Acetate	7.559	43	54216	22.019	ug/l	98
38) Carbon Tetrachloride	8.359	117	67255	22.172	ug/l	99
39) Methylcyclohexane	9.600	83	59666	21.611	ug/l	95
40) Benzene	8.606	78	189347	21.726	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084720.D
Acq On : 07 Nov 2024 13:58
Operator : JC\MD
Sample : VN1107MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:25:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	31212	23.572 ug/l	96
42) 1,2-Dichloroethane	8.671	62	63467	22.486 ug/l	100
43) Isopropyl Acetate	8.688	43	94920	20.293 ug/l	97
44) Trichloroethene	9.347	130	43376	21.580 ug/l	99
45) 1,2-Dichloropropane	9.618	63	45712	22.359 ug/l	97
46) Dibromomethane	9.706	93	32013	22.191 ug/l	95
47) Bromodichloromethane	9.883	83	67977	22.354 ug/l #	99
48) Methyl methacrylate	9.683	41	42652	22.257 ug/l	95
49) 1,4-Dioxane	9.694	88	15706	462.513 ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	275072	117.189 ug/l	99
52) Toluene	10.630	92	115829	22.724 ug/l	98
53) t-1,3-Dichloropropene	10.835	75	66953	21.270 ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	72060	21.629 ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	44973	23.423 ug/l	97
56) Ethyl methacrylate	10.877	69	66295	23.871 ug/l	94
57) 1,3-Dichloropropane	11.159	76	74081	22.481 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	125888	96.868 ug/l	97
59) 2-Hexanone	11.194	43	205507	120.283 ug/l	98
60) Dibromochloromethane	11.359	129	51817	23.679 ug/l	99
61) 1,2-Dibromoethane	11.465	107	43794	22.273 ug/l	99
64) Tetrachloroethene	11.106	164	39072	22.463 ug/l	89
65) Chlorobenzene	11.888	112	123748	21.153 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	46006	22.609 ug/l	98
67) Ethyl Benzene	11.965	91	212888	21.801 ug/l	99
68) m/p-Xylenes	12.071	106	164879	44.598 ug/l	100
69) o-Xylene	12.400	106	80174	23.182 ug/l	99
70) Styrene	12.412	104	135560	22.470 ug/l	98
71) Bromoform	12.576	173	36158	23.614 ug/l #	98
73) Isopropylbenzene	12.694	105	199058	21.047 ug/l	100
74) N-amyl acetate	12.494	43	84921	21.096 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	66757	21.146 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	55470m	20.561 ug/l	
77) Bromobenzene	12.976	156	52115	20.497 ug/l	94
78) n-propylbenzene	13.035	91	231487	20.887 ug/l	98
79) 2-Chlorotoluene	13.123	91	150752	20.817 ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	172658	22.026 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	22924	20.158 ug/l	98
82) 4-Chlorotoluene	13.218	91	153290	20.114 ug/l	97
83) tert-Butylbenzene	13.435	119	142398	21.949 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	177596	21.951 ug/l	99
85) sec-Butylbenzene	13.618	105	200198	21.846 ug/l	99
86) p-Isopropyltoluene	13.729	119	167531	22.291 ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	97338	19.616 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	96984	20.630 ug/l	99
89) n-Butylbenzene	14.053	91	136885	19.470 ug/l	98
90) Hexachloroethane	14.335	117	33520	19.999 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	96157	20.166 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11492	17.969 ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	45901	17.588 ug/l	99
94) Hexachlorobutadiene	15.500	225	21659	18.898 ug/l	99
95) Naphthalene	15.641	128	141866	18.160 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	45335	17.894 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084720.D
Acq On : 07 Nov 2024 13:58
Operator : JC\MD
Sample : VN1107MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:25:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024

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

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

Sample Results: **VN084720.D**

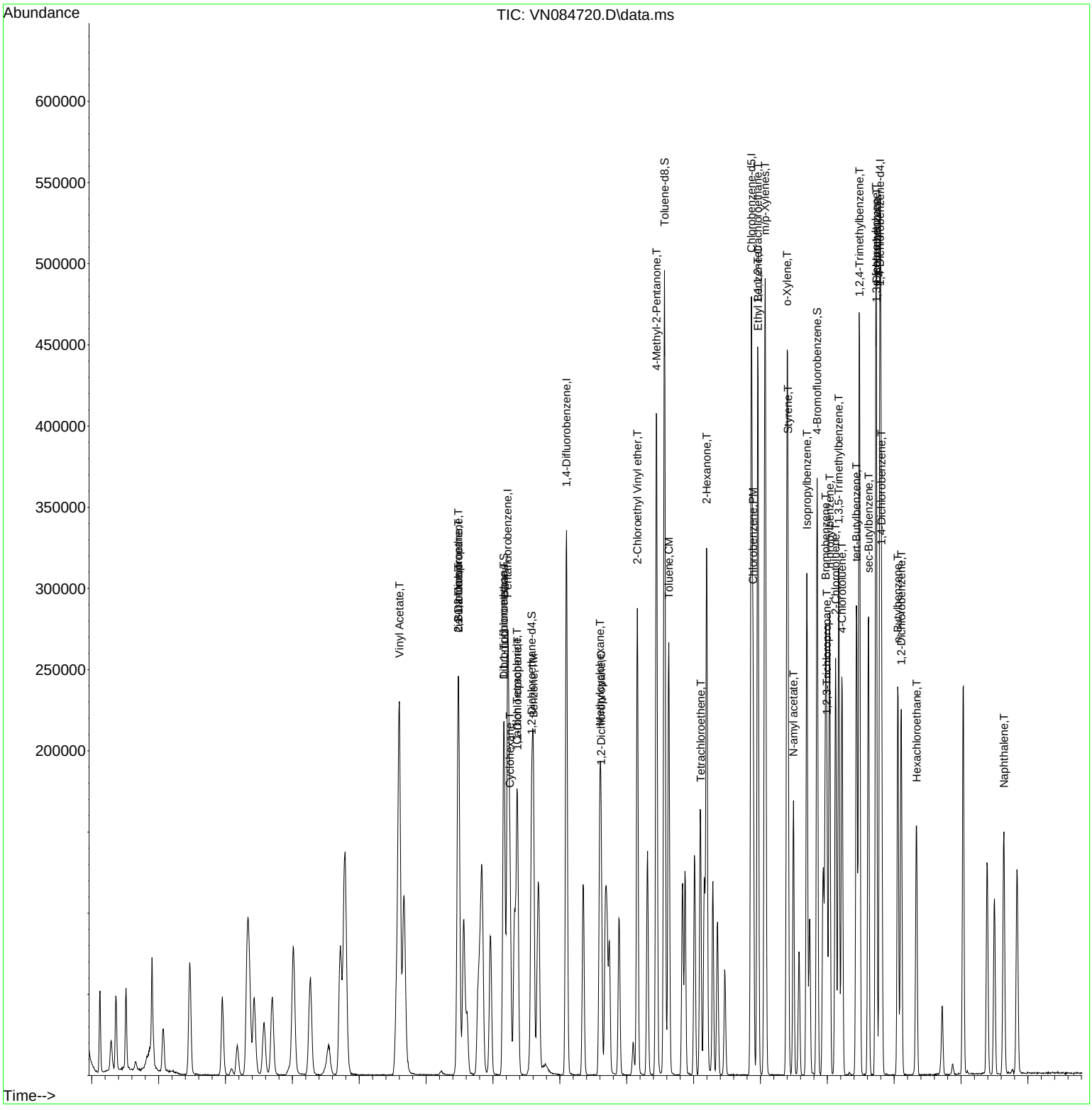
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
Data File : VN084720.D
Acq On : 07 Nov 2024 13:58
Operator : JC\MD
Sample : VN1107MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:25:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1107MBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2024
Supervised By :Mahesh Dadoda 11/08/2024



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

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-but ene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

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

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Manual Integration Report

Sequence:	VN110724	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084716.D	1,2,3-Trichloropropane	SAM	11/8/2024 1:46:12 PM	MMDadoda	11/8/2024 2:37:16 PM	Peak Integrated by Software
VN1107MBS01	VN084719.D	1,2,3-Trichloropropane	SAM	11/8/2024 1:46:17 PM	MMDadoda	11/8/2024 2:37:25 PM	Peak Integrated by Software
VN1107MBSD01	VN084720.D	1,2,3-Trichloropropane	SAM	11/8/2024 1:46:21 PM	MMDadoda	11/8/2024 2:37:30 PM	Peak Integrated by Software
VSTDCCC050	VN084735.D	1,2,3-Trichloropropane	SAM	11/8/2024 1:46:35 PM	MMDadoda	11/8/2024 2:37:25 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N		HP Processing Method	82n103024w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110724

Review By	Semsettin Yesilyurt	Review On	11/8/2024 1:47:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/8/2024 2:37:38 PM				
SubDirectory	VN110724	HP Acquire Method	MSVOA_N		HP Processing Method	82N103024W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP131333
Initial Calibration Stds	
CCC	VP131335,VP131336
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084715.D	07 Nov 2024 10:59	JC\MD	Ok
2	VSTDCCC050	VN084716.D	07 Nov 2024 11:50	JC\MD	Ok,M
3	VN1107MBL01	VN084717.D	07 Nov 2024 12:24	JC\MD	Ok
4	VN1107WBL01	VN084718.D	07 Nov 2024 12:48	JC\MD	Ok
5	VN1107MBS01	VN084719.D	07 Nov 2024 13:34	JC\MD	Ok,M
6	VN1107MBSD01	VN084720.D	07 Nov 2024 13:58	JC\MD	Ok,M
7	VIBLK	VN084721.D	07 Nov 2024 14:58	JC\MD	Ok
8	P4738-01	VN084722.D	07 Nov 2024 15:33	JC\MD	Ok
9	VIBLK	VN084723.D	07 Nov 2024 15:57	JC\MD	Ok
10	P4739-11	VN084724.D	07 Nov 2024 16:21	JC\MD	Dilution
11	VIBLK	VN084725.D	07 Nov 2024 16:45	JC\MD	Ok
12	P4732-04	VN084726.D	07 Nov 2024 17:09	JC\MD	Ok
13	VIBLK	VN084727.D	07 Nov 2024 17:33	JC\MD	Ok
14	VN1107WBS01	VN084728.D	07 Nov 2024 17:57	JC\MD	Not Ok
15	VN1107WBS02	VN084729.D	07 Nov 2024 18:22	JC\MD	Ok,M
16	VIBLK	VN084730.D	07 Nov 2024 18:46	JC\MD	Ok
17	P4760-01	VN084731.D	07 Nov 2024 19:10	JC\MD	Ok
18	VIBLK	VN084732.D	07 Nov 2024 19:34	JC\MD	Ok
19	P4759-01	VN084733.D	07 Nov 2024 19:58	JC\MD	Ok
20	VIBLK	VN084734.D	07 Nov 2024 20:22	JC\MD	Ok
21	VSTDCCC050	VN084735.D	07 Nov 2024 20:46	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110724

Review By	Semsettin Yesilyurt	Review On	11/8/2024 1:47:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/8/2024 2:37:38 PM		
SubDirectory	VN110724	HP Acquire Method	MSVOA_N	HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131333
Initial Calibration Stds	
CCC	VP131335,VP131336
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	VN084715.D	07 Nov 2024 10:59		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084716.D	07 Nov 2024 11:50		JC\MD	Ok,M
3	VN1107MBL01	VN1107MBL01	VN084717.D	07 Nov 2024 12:24		JC\MD	Ok
4	VN1107WBL01	VN1107WBL01	VN084718.D	07 Nov 2024 12:48		JC\MD	Ok
5	VN1107MBS01	VN1107MBS01	VN084719.D	07 Nov 2024 13:34		JC\MD	Ok,M
6	VN1107MBSD01	VN1107MBSD01	VN084720.D	07 Nov 2024 13:58		JC\MD	Ok,M
7	VIBLK	VIBLK	VN084721.D	07 Nov 2024 14:58		JC\MD	Ok
8	P4738-01	72-12018	VN084722.D	07 Nov 2024 15:33		JC\MD	Ok
9	VIBLK	VIBLK	VN084723.D	07 Nov 2024 15:57		JC\MD	Ok
10	P4739-11	BP-B2-VOC	VN084724.D	07 Nov 2024 16:21	Need 10X	JC\MD	Dilution
11	VIBLK	VIBLK	VN084725.D	07 Nov 2024 16:45		JC\MD	Ok
12	P4732-04	PPE-Grab	VN084726.D	07 Nov 2024 17:09		JC\MD	Ok
13	VIBLK	VIBLK	VN084727.D	07 Nov 2024 17:33		JC\MD	Ok
14	VN1107WBS01	VN1107WBS01	VN084728.D	07 Nov 2024 17:57	Recovery fail	JC\MD	Not Ok
15	VN1107WBS02	VN1107WBS02	VN084729.D	07 Nov 2024 18:22		JC\MD	Ok,M
16	VIBLK	VIBLK	VN084730.D	07 Nov 2024 18:46		JC\MD	Ok
17	P4760-01	LPA-TOTE-1	VN084731.D	07 Nov 2024 19:10	pH#7.0 A,bad matrix no straight run.	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110724

Review By	Semsettin Yesilyurt	Review On	11/8/2024 1:47:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/8/2024 2:37:38 PM		
SubDirectory	VN110724	HP Acquire Method	MSVOA_N	HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131333
Initial Calibration Stds	
CCC	VP131335,VP131336
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VIBLK	VIBLK	VN084732.D	07 Nov 2024 19:34		JC\MD	Ok
19	P4759-01	MONTCLAIR-TOTE-1	VN084733.D	07 Nov 2024 19:58	pH#7.0 A,bad matrix no straight run	JC\MD	Ok
20	VIBLK	VIBLK	VN084734.D	07 Nov 2024 20:22		JC\MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VN084735.D	07 Nov 2024 20:46		JC\MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133313

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4659-01	MH-2	39	1.13	8.64	9.77	8.64	86.9	
P4662-06	102524-D	29	1.00	1.00	2.00	2.00	100.0	oil sample
P4720-01	JC-701-COMP-01	1	1.16	8.49	9.65	8.85	90.6	
P4720-02	JC-701-VOC-01	2	1.16	8.49	9.65	8.85	90.6	
P4720-03	JC-701-01	3	1.15	8.58	9.73	8.99	91.4	
P4720-04	JC-701-02	4	1.13	8.65	9.78	8.73	87.9	
P4721-01	EX-2-TPH-1	5	1.15	8.82	9.97	8.8	86.7	
P4721-02	EX-2-TPH-2	6	1.18	8.47	9.65	8.21	83.0	
P4721-03	EX-2-TPH-3	7	1.16	8.82	9.98	8.95	88.3	
P4721-04	EX-11-TPH-1	8	1.15	8.53	9.68	7.95	79.7	
P4721-05	EX-11-TPH-2	9	1.12	8.56	9.68	8.95	91.5	
P4721-06	EX-11-TPH-3	10	1.15	8.80	9.95	8.14	79.4	
P4721-07	EX-11-TPH-4	11	1.14	8.83	9.97	8.7	85.6	
P4721-08	EX-9-TPH-1	12	1.16	8.53	9.69	8.3	83.7	
P4721-09	EX-9-TPH-2	13	1.12	8.47	9.59	8.36	85.5	
P4721-10	EX-9-TPH-3	14	1.15	8.42	9.57	8.32	85.2	
P4721-11	EX-9-TPH-4	15	1.12	8.81	9.93	9.00	89.4	
P4721-12	EX-9-TPH-5	16	1.17	8.81	9.98	8.83	86.9	
P4721-13	EX-9-TPH-6	17	1.19	8.79	9.98	8.54	83.6	
P4721-14	EX-9-TPH-7	18	1.19	8.42	9.61	8.5	86.8	
P4721-15	EX-9-TPH-8	19	1.15	8.83	9.98	8.85	87.2	
P4722-01	WC-1(5.5)	20	1.18	8.44	9.62	8.64	88.4	
P4722-03	WC-1(0-6)	21	1.15	8.81	9.96	9.41	93.8	
P4722-06	WC-2(2)	22	1.14	8.61	9.75	8.87	89.8	
P4722-08	WC-2(0-6)	23	1.13	8.79	9.92	9.05	90.1	
P4722-11	WC-3(5)	24	1.14	8.40	9.54	7.17	71.8	
P4722-13	WC-3(0-6)	25	1.17	8.61	9.78	8.63	86.6	
P4722-17	WC-1(3.5)	26	1.19	8.47	9.66	7.95	79.8	

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133313

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4722-19	WC-2(4)	27	1.18	8.78	9.96	9.03	89.4	
P4722-21	WC-3(3)	28	1.17	8.69	9.86	8.79	87.7	
P4731-01	NASSAU-ST-CO	30	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-02	S.JEFFERSON-CO-1	31	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-03	S.JEFFERSON-CO-2	32	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4732-01	PPE-COMP	33	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-02	PPE-COMP	34	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-04	PPE-Grab	35	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-05	PPE-Grab	36	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4734-01	EO-03-11062024	37	1.16	8.48	9.64	9.11	93.7	
P4734-02	EO-03-11062024-E2	38	1.19	8.67	9.86	9.26	93.1	
P4737-01	TP2	40	1.15	8.35	9.5	8.78	91.4	
P4737-02	TP2-E2	41	1.16	8.67	9.83	8.94	89.7	
P4738-01	72-12018	42	1.14	8.70	9.84	2.66	17.5	GEL MARTIX
P4739-01	TP-14	43	1.14	8.71	9.85	8.87	88.7	
P4739-02	TP-14-EPH	44	1.18	8.52	9.7	8.71	88.4	
P4739-03	TP-14-VOC	45	1.13	8.73	9.86	8.75	87.3	
P4739-05	BP-G2	46	1.16	8.71	9.87	8.74	87.0	
P4739-06	BP-G2-EPH	47	1.13	8.52	9.65	8.5	86.5	
P4739-07	BP-G2-VOC	48	1.13	8.85	9.98	8.93	88.1	
P4739-09	BP-B2	49	1.15	8.62	9.77	8.68	87.4	
P4739-10	BP-B2-EPH	50	1.15	8.38	9.53	8.4	86.5	
P4739-11	BP-B2-VOC	51	1.15	8.73	9.88	8.66	86.0	
P4739-13	TP-11	52	1.16	8.37	9.53	8.85	91.9	
P4739-14	TP-11-EPH	53	1.16	8.75	9.91	9.17	91.5	
P4739-15	TP-11-VOC	54	1.12	8.74	9.86	9.11	91.4	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4659-01	MH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-06	102524-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4720-01	JC-701-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-02	JC-701-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-03	JC-701-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-04	JC-701-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4721-01	EX-2-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-02	EX-2-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-03	EX-2-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-04	EX-11-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-05	EX-11-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-06	EX-11-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-07	EX-11-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-08	EX-9-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-09	EX-9-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-10	EX-9-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-11	EX-9-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-12	EX-9-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-13	EX-9-TPH-6	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-14	EX-9-TPH-7	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-15	EX-9-TPH-8	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO

Date/Time 11/06/24 15:40

Raw Sample Received by: BP WC

Raw Sample Relinquished by: SM

Date/Time 11/06/24 17:25

Raw Sample Received by: SM

Raw Sample Relinquished by: BP WC

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4722-01	WC-1(5.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-03	WC-1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-06	WC-2(2)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-08	WC-2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-11	WC-3(5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-13	WC-3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-17	WC-1(3.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-19	WC-2(4)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-21	WC-3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4731-01	NASSAU-ST-CO	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4731-02	S.JEFFERSON-CO-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4731-03	S.JEFFERSON-CO-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4732-01	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4732-02	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4732-04	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4732-05	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4734-01	EO-03-11062024	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4734-02	EO-03-11062024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4737-01	TP2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4737-02	TP2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
P4738-01	72-12018	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
					PSEG03	L23	11/06/2024	Chemtech -SO

Date/Time 11/06/24 1540

Raw Sample Received by: JG (WC)

Raw Sample Relinquished by: SM

Date/Time 11/06/24 1745

Raw Sample Received by: SM

Raw Sample Relinquished by: JG (WC)

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4739-01	TP-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-02	TP-14-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-03	TP-14-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-05	BP-G2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-06	BP-G2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-07	BP-G2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-09	BP-B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-10	BP-B2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-11	BP-B2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-13	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-14	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-15	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO

Date/Time 11/06/24 1540
Raw Sample Received by: TB WO C
Raw Sample Relinquished by: SM

Date/Time 11/06/24 1725
Raw Sample Received by: SM
Raw Sample Relinquished by: TB WO C

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. P4732
QUOTE NO.
COC Number 2041043

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Fusino & Sons
ADDRESS: 250 Chestnut Ridge Rd
CITY Wood Cliff Lake STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Tiger - Contaminated PPE
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TCL VOC / TCLP VOC
2 Total SVOC
3 Total Metals
4 Ignitability/PCB
5 Corrosivity
6 React to Sulfide + CN
7 TCLP Metals/TCLP SVOC
8 TCLP Herbicide
9 TCLP Pesticide

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	PPE - Grab	Solid		X	11.6.24	918	2	X									A = 26.7 ppm
2.	PPE - Comp	1	X		1	944	6		X	X	X	X	X	X	X	X	B = 2.5
3.																	C = 29.8
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: E E E E E E E E E
← 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. JT	1030 11.6.24	1.
2.		2.
3. JT	1215 11.6.24	3.

Conditions of bottles or coolers at receipt: ☑ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments: 4th Drum was empty
PID Calibrated 11.6.24 - onsite
Extra Material collected if needed

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Tiger - Contaminated PPE
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site: Furino Cons. Parking lot
Site Address: 250 Chestnut Ridge Rd Woodcliff Lk

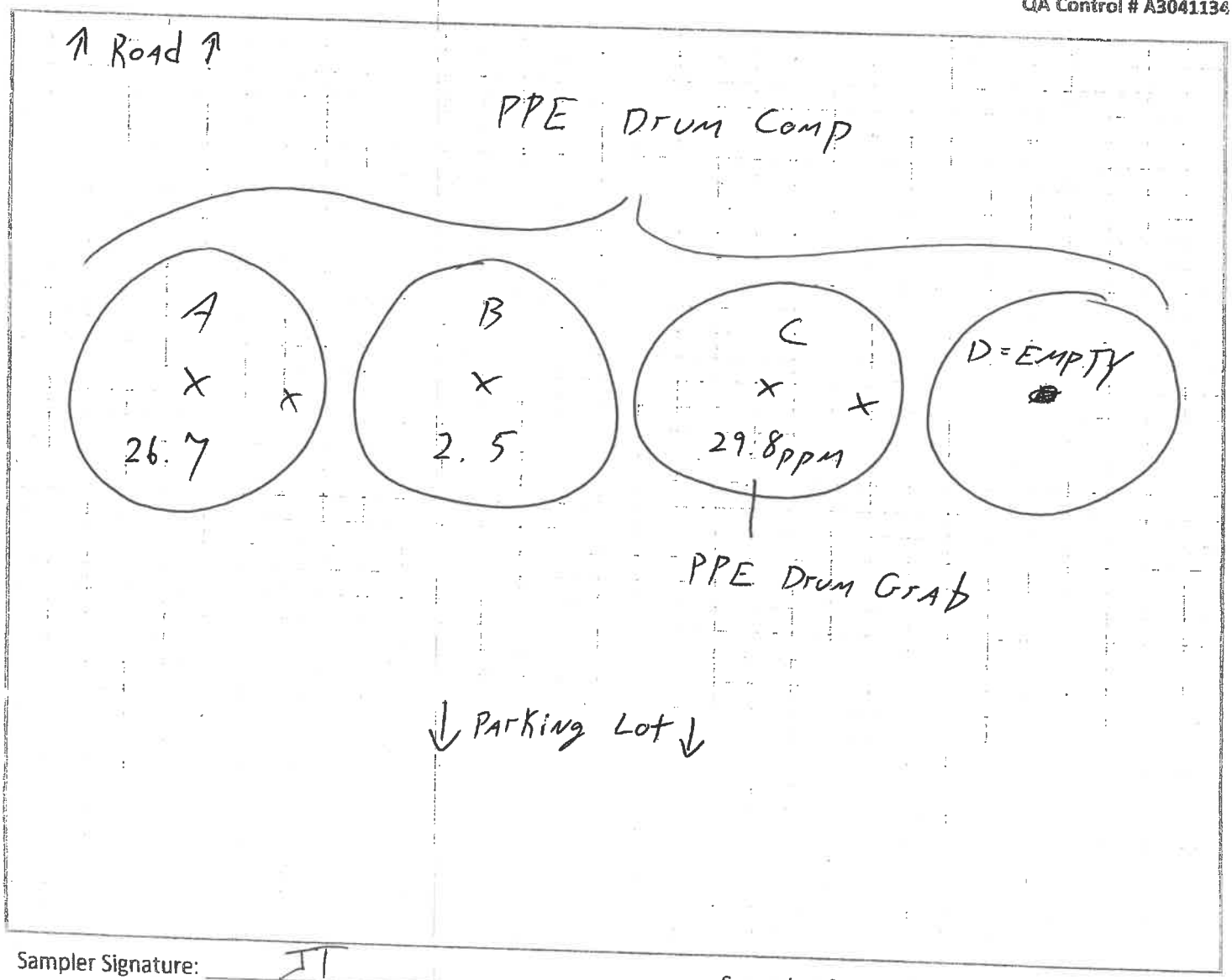
Chemtech Order ID:
Sampler Name: IT
Client Project Coordinator & Phone: Brian
Page #: 1 of 1
Date: 11.6.24
Arrive Time: 900
Depart Time: 1030

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: NA
Dimensions/CY: NA
Temp (range): 3.2 °C PID Readings (range): 2.1 - 29.8 PPM Odor: Y / N Color: Y / N
Sample Description: Used PPE
Field Observations: 3 Drums (4th Drum empty)

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: IT
Client Signature:
Supervisor Review/Date:
Date/Time Arrived at Lab:

Clean Earth Sampling Protocol
North Jersey

PARAMETERS		TOTAL VOLATILE ORGANICS	TOTAL SEMI-VOLATILE ORGANICS	TOTAL METALS - 8 RCRA + Be, Ni, Cu, Zn and Cr+6	TCLP METALS - 8 RCRA + Be, Ni, Cu & Zn)	IGNITABILITY	CORROSIVITY (pH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs	TCLP VOLATILE ORGANICS	TCLP SEMI-VOLATILE ORGANICS	TCLP HERBICIDES	TCLP PESTICIDES
METHODS (1)		8260B	8270D	6010/7471/ 7196	1311/6010/ 7470A	1030 or 1010A	9040C or 9045D	SW846 CHAPTER 7.3	8082A	1311/ 8260B	1311/ 8270D	1311/ 8151A	1311/ 8081B
	FREQUENCY												
CENJ Waste Streams	Grab Sample every 750 tons	X								X			
	5 point composite sample every 750 tons		X	X	X	X	X	X	X		X	X	X

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should be utilized by the laboratory.
This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based on items such as site history, levels of contamination and/or source of contamination, etc..

CENJ Specific compounds - ** Please note that Clean Earth of North Jersey (CENJ) requires that the compounds identified below be assessed/reported for all projects. The concentrations of the compounds cannot exceed the limits identified below. The analysis must include the compounds below OR the generator must certify that the compounds do not exceed the limits below based on generator knowledge.

COMPOUND	Concentration (PPMW)
Arsenic	≤ 4,000
Cadmium	≤ 4,000
Lead	≤ 80,000
Mercury	≤ 80
Beryllium	≤ 800
Nickel	≤ 80,000
Benzene	≤ 400
Chlorobenzene	≤ 400
Cumene (isopropylbenzene)	≤ 960
Ethylene Glycol	≤ 56,000
Methanol	≤ 4,800
Methylene Chloride (Dichloromethane)	≤880
Methyl Ethyl Ketone (2-Butanone, MEK)	≤ 800
Methyl Isobutyl Ketone (MIBK, 4-methyl-2-Pentanone)	≤ 1,360
Phenol	≤ 1,360
Tetrachloroethylene (PCE, perchloroethylene)	≤ 400
Toluene	≤ 560
Trichloroethylene (TCE)	≤ 480
Xylene	≤ 1,200
Hexavalent Chromium (Chromium +6, Cr+6, CrVI)	≤ 21,400

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4732 FURI01
Client Name : Furino and Sons, Inc.
Client Contact : Brian Ferranti
Invoice Name : Furino and Sons, Inc.
Invoice Contact : Brian Ferranti

Order Date : 11/6/2024 12:32:55 PM
Project Name : PPE Contamination
Receive DateTime : 11/6/2024 12:15:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : ADR
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4732-04	PPE-Grab	Solid	11/06/2024	09:18					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : JT
Date / Time : 11·6·24 1350

Received By :
Date / Time : 11·6·24 13:50
Storage Area : VOA Refridgerator Room