SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1801

Client Contact Information	Bottle Order ID : **B2504002**	Courier : F GALDUN	1 of 2 COCs
Client ID : **GFEL01** Project ID : ~~16 Enbridge St.~~		Sampler Name(s) : FRANK GALDUN	Analysis / Matrix
Customer Name : **GFE LLC**	Project Manager : **Frank galdun**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **58 Nokomis Ave**	Phone Number : **646-542-3465**		
	Fax Number : **973-334-1692**		
	Site Details: 416 CLINTON ST. HEMPSTEAD, NY	Batch Certified	
City : **Lake Hiawatha**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **07034**	Standard : **10 business days** **OR**	Data Package Type SAME PACKAGE AS PREVIOUS ROUND	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambinet Air	Soil Gas
SS2R	4/12/25	7:00	7:24	30	3	50	52	-30	-2.2	10648	10311	6 L	50	VL042217.D	(		(

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low) PID Readings: 0.0

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by:		Date/Time: 04/07/25	Canisters Received by:	Date/Time: 4/14/25 0700	
Samples Relinquished by:		Date/Time: 4/12/25	Received by:	Date/Time:	B2504002 - 3
Relinquished by:		Date/Time:	Received by:	Date/Time:	

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Alliance Project No. : Q1801

Client Contact Information	Bottle Order ID : **B2504002**	Courier : F GALDUN	2 of 2 COCs
Client ID : **GFEL01** Project ID : ~~**10 Eldridge St.**~~		Sampler Name(s) : FRANK GALDEN	Analysis / Matrix
Customer Name : **GFE LLC**	Project Manager : **Frank galdun**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **58 Nokomis Ave**	Phone Number : **646-542-3465**		
	Fax Number : **973-334-1692**	Batch Certified	
	Site Details: 416 CLINTON ST. HEMPSTEAD, NY		
City : **Lake Hiawatha**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **07034**	Standard : **10 business days** **OR**	Data Package Type : SAME PACKAGE AS PREVIOUS ROUND	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambinet Air	Soil Gas
553	4/2/25	7:02	7:02	OVER 30	1	65	67	-30	-3.1	10226	10606	6 L	50	VL042217.D	1		1

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.0

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by:	Date/Time: 04/07/25	Canisters Received by:	Date/Time: 4/04/25 0700	**B2504002 - 6**
Samples Relinquished by:	Date/Time: 4/12/25	Received by:	Date/Time:	
Relinquished by:	Date/Time:	Received by:	Date/Time:	

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

Laboratory Certification

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

QA Control Code: A2070148

DEP-077
Rev. 3/04

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample	
Laboratory: Chemtech	Location: 284 Sheffield Street, Mountainside, NJ 7092
~~Name~~	Title: Sample Custodian
Field Sample Seal No.: Q1801	Date Broken: 4/14/2025 Military Time Seal Broken: 07:00:00
Case No.: 416 Clinton St Hempstead	Analytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q1801-01	SS2R		
Q1801-02	SS3		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
4/14	1215	Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report) *Yellow - Contractor Archive* *Pink - Sample Custodian - Interim Copy*

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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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LAB CHRONICLE

OrderID:	Q1801	**OrderDate:**	4/14/2025 11:40:00 AM
Client:	GFE LLC	**Project:**	416 Clinton St Hempstead
Contact:	Frank Galdun	**Location:**	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1801-01	**SS2R**	**Air**			**04/12/25**			**04/14/25**
			TO-15	TO-15			04/21/25	
Q1801-02	**SS3**	**Air**			**04/12/25**			**04/14/25**
			TO-15	TO-15			04/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1801

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**SS2R**							
Q1801-01	SS2R	Air	Heptane	1.89	J	1.80	8.20	ug/m3
Q1801-01	SS2R	Air	Acetone	6.89		2.28	4.75	ug/m3
Q1801-01	SS2R	Air	Methylene Chloride	3.13	J	2.64	6.95	ug/m3
Q1801-01	SS2R	Air	Toluene	6.78	J	1.66	7.54	ug/m3
Q1801-01	SS2R	Air	Tetrachloroethene	365		0.41	0.81	ug/m3
Q1801-01	SS2R	Air	1,2,4-Trimethylbenzene	2.41	J	1.52	9.83	ug/m3
Q1801-01	SS2R	Air	Hexane	28.9		1.55	7.05	ug/m3
			Total Voc :	415				
			Total Concentration:	415				
Client ID:	**SS3**							
Q1801-02	SS3	Air	Acetone	14.0		2.28	4.75	ug/m3
Q1801-02	SS3	Air	2-Butanone	1.53	J	1.42	5.90	ug/m3
Q1801-02	SS3	Air	Chloroform	2.44	J	1.61	9.77	ug/m3
Q1801-02	SS3	Air	Toluene	5.28	J	1.66	7.54	ug/m3
Q1801-02	SS3	Air	Tetrachloroethene	28.5		0.41	0.81	ug/m3
Q1801-02	SS3	Air	m/p-Xylene	4.34	J	3.65	17.4	ug/m3
Q1801-02	SS3	Air	1,2,4-Trimethylbenzene	4.42	J	1.52	9.83	ug/m3
Q1801-02	SS3	Air	Hexane	14.4		1.55	7.05	ug/m3
			Total Voc :	75.0				
			Total Concentration:	75.0				

QC SUMMARY

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

SDG No.: Q1801

Client: GFE LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1801-01	SS2R	1-Bromo-4-Fluorobenzene	10	10.5	105	65	135
Q1801-02	SS3	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
Q1844-02DUP	IA1DUP	1-Bromo-4-Fluorobenzene	10	10.7	107	65	135
VL0421ABL01	VL0421ABL01	1-Bromo-4-Fluorobenzene	10	10.5	105	65	135
VL0421ABS01	VL0421ABS01	1-Bromo-4-Fluorobenzene	10	10.8	108	65	135

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1801

Client: GFE LLC

Analytical Method: SWTO-15 **Datafile :** VL042397.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0421ABS01	Dichlorodifluoromethane	10	10.2	ppbv	102			70	130	
	Chloromethane	10	9.60	ppbv	96			70	130	
	Vinyl Chloride	10	8.60	ppbv	86			70	130	
	Bromomethane	10	9.10	ppbv	91			70	130	
	Chloroethane	10	9.50	ppbv	95			70	130	
	Tetrahydrofuran	10	7.80	ppbv	78			70	130	
	Trichlorofluoromethane	10	10.3	ppbv	103			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.60	ppbv	96			70	130	
	Dichlorotetrafluoethane	10	10.1	ppbv	101			70	130	
	tert-Butyl Alcohol	10	9.00	ppbv	90			70	130	
	Heptane	10	7.30	ppbv	73			70	130	
	1,1-Dichloroethene	10	9.40	ppbv	94			70	130	
	Acetone	10	8.70	ppbv	87			70	130	
	Carbon disulfide	10	9.40	ppbv	94			70	130	
	Methyl tert-butyl Ether	10	8.50	ppbv	85			70	130	
	Methylene Chloride	10	8.00	ppbv	80			70	130	
	trans-1,2-Dichloroethene	10	9.10	ppbv	91			70	130	
	1,1-Dichloroethane	10	9.60	ppbv	96			70	130	
	Cyclohexane	10	8.50	ppbv	85			70	130	
	2-Butanone	10	8.30	ppbv	83			70	130	
	Carbon Tetrachloride	10	9.50	ppbv	95			70	130	
	cis-1,2-Dichloroethene	10	9.10	ppbv	91			70	130	
	Chloroform	10	9.60	ppbv	96			70	130	
	1,1,1-Trichloroethane	10	9.30	ppbv	93			70	130	
	2,2,4-Trimethylpentane	10	8.10	ppbv	81			70	130	
	Benzene	10	8.60	ppbv	86			70	130	
	1,2-Dichloroethane	10	10.3	ppbv	103			70	130	
	Trichloroethene	10	7.80	ppbv	78			70	130	
	1,2-Dichloropropane	10	8.30	ppbv	83			70	130	
	Bromodichloromethane	10	9.70	ppbv	97			70	130	
	4-Methyl-2-Pentanone	10	7.20	ppbv	72			70	130	
	Toluene	10	8.30	ppbv	83			70	130	
	t-1,3-Dichloropropene	10	8.50	ppbv	85			70	130	
	cis-1,3-Dichloropropene	10	8.30	ppbv	83			70	130	
	1,1,2-Trichloroethane	10	9.00	ppbv	90			70	130	
	Dibromochloromethane	10	9.20	ppbv	92			70	130	
	1,2-Dibromoethane	10	8.90	ppbv	89			70	130	
	Tetrachloroethene	10	7.40	ppbv	74			70	130	
	Chlorobenzene	10	8.90	ppbv	89			70	130	
	Ethyl Benzene	10	9.00	ppbv	90			70	130	
	m/p-Xylene	20	18.2	ppbv	91			70	130	
	o-Xylene	10	9.20	ppbv	92			70	130	
	Styrene	10	8.60	ppbv	86			70	130	
	Bromoform	10	8.80	ppbv	88			70	130	
	1,1,2,2-Tetrachloroethane	10	8.40	ppbv	84			70	130	
	2-Chlorotoluene	10	9.20	ppbv	92			70	130	
	1,3,5-Trimethylbenzene	10	9.00	ppbv	90			70	130	
	1,2,4-Trimethylbenzene	10	8.60	ppbv	86			70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1801

Client: GFE LLC

Analytical Method: SWTO-15 **Datafile :** VL042397.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0421ABS01	1,3-Dichlorobenzene	10	8.70	ppbv	87			70	130	
	1,4-Dichlorobenzene	10	8.60	ppbv	86			70	130	
	1,2-Dichlorobenzene	10	8.70	ppbv	87			70	130	
	1,2,4-Trichlorobenzene	10	8.50	ppbv	85			70	130	
	Hexachloro-1,3-butadiene	10	8.50	ppbv	85			70	130	
	Naphthalene	10	8.20	ppbv	82			70	130	
	1,3-Butadiene	10	9.00	ppbv	90			70	130	
	4-Ethyltoluene	10	9.00	ppbv	90			70	130	
	Hexane	10	7.80	ppbv	78			70	130	
	Allyl Chloride	10	9.10	ppbv	91			70	130	
	1,4-Dioxane	10	7.40	ppbv	74			70	130	
	Methyl methacrylate	10	7.70	ppbv	77			70	130	

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Duplicate Sample Summary

Lab Sample Id :	Q1844-02DUP		Q1844-02	
Client Id :	IA1DUP		IA1	
DF :	1		1	
Datafile :	VL042403.D		VL042402.D	
Anal Date & Time :	04/21/2025	14:13	04/21/2025	13:38

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0.23	0.23	0
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0	0	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0	0	0
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0	0	0
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0.35	0.32	9
2-Butanone	0.66	0.68	3
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	22.8	22.7	0.44
Allyl Chloride	0	0	0
Benzene	12.8	12.5	2.4
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.07	0.07	0

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Duplicate Sample Summary

Lab Sample Id :	Q1844-02DUP		Q1844-02	
Client Id :	IA1DUP		IA1	
DF :	1		1	
Datafile :	VL042403.D		VL042402.D	
Anal Date & Time :	04/21/2025	14:13	04/21/2025	13:38

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.51	0.5	2
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0.22	0	200 *
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.39	0.41	5
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0.29	0.28	3.5
Heptane	0.37	0.35	5.6
Hexachloro-1,3-Butadiene	0	0	0
Hexane	0.72	0.67	7.2
m/p-Xylene	0.82	0.79	3.7
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	0.62	0.6	3.3
Naphthalene	0.51	0.52	1.9
o-Xylene	0.32	0.32	0
Styrene	0.39	0.36	8
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	5.1	5.1	0
Tetrachloroethene	19.5	19.3	1
Tetrahydrofuran	0	0	0
Toluene	2	2	0
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.24	0.23	4.3
Vinyl Chloride	0	0	0

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0421ABL01

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1801 SAS No.: Q1801 SDG NO.: Q1801

Lab File ID: VL042396.D Lab Sample ID: VL0421ABL01

Date Analyzed: 04/21/2025 Time Analyzed: 09:28

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL0421ABS01	VL0421ABS01	VL042397.D	04/21/2025
SS2R	Q1801-01	VL042400.D	04/21/2025
SS3	Q1801-02	VL042401.D	04/21/2025
IA1DUP	Q1844-02DUP	VL042403.D	04/21/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1801 SAS No.: Q1801 SDG NO.: Q1801

Lab File ID: VL042348.D BFB Injection Date: 04/17/2025

Instrument ID: MSVOA_L BFB Injection Time: 07:50

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.1
75	30.0 - 66.0% of mass 95	57
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	59.5
175	4.0 - 9.0% of mass 174	4.5 (7.6) 1
176	93.0 - 101.0% of mass 174	57.6 (96.9) 1
177	5.0 - 9.0% of mass 176	3.6 (6.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL042349.D	04/17/2025	09:44
VSTDICC002	VSTDICC002	VL042350.D	04/17/2025	10:17
VSTDICC001	VSTDICC001	VL042351.D	04/17/2025	10:48
VSTDICC0.5	VSTDICC0.5	VL042352.D	04/17/2025	11:19
VSTDICC0.1	VSTDICC0.1	VL042353.D	04/17/2025	11:50
VSTDICC0.03	VSTDICC0.03	VL042354.D	04/17/2025	12:22
VSTDICC015	VSTDICC015	VL042355.D	04/17/2025	12:54

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1801 SAS No.: Q1801 SDG NO.: Q1801

Lab File ID: VL042394.D BFB Injection Date: 04/21/2025

Instrument ID: MSVOA_L BFB Injection Time: 07:58

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	26.7
75	30.0 - 66.0% of mass 95	63.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	54.7
175	4.0 - 9.0% of mass 174	4.2 (7.7) 1
176	93.0 - 101.0% of mass 174	52.9 (96.6) 1
177	5.0 - 9.0% of mass 176	3.4 (6.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL042395.D	04/21/2025	08:41
VL0421ABL01	VL0421ABL01	VL042396.D	04/21/2025	09:28
VL0421ABS01	VL0421ABS01	VL042397.D	04/21/2025	10:14
SS2R	Q1801-01	VL042400.D	04/21/2025	12:07
SS3	Q1801-02	VL042401.D	04/21/2025	12:51
IA1DUP	Q1844-02DUP	VL042403.D	04/21/2025	14:13

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1801 SAS No.: Q1801 SDG NO.: Q1801

Lab File ID: VL042395.D Date Analyzed: 04/21/2025

Instrument ID: MSVOA_L Time Analyzed: 08:41

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	118349	2.78	334726	3.95	297161	8.88
UPPER LIMIT	165689	3.11	468616	4.28	416025	9.21
LOWER LIMIT	71009.4	2.45	200836	3.62	178297	8.55
EPA SAMPLE NO.						
SS2R	127438	2.78	352813	3.95	303522	8.88
SS2R	127438	2.78	352813	3.95	303522	8.88
SS3	122041	2.79	337832	3.96	286610	8.88
SS3	122041	2.79	337832	3.96	286610	8.88
IA1DUP	132791	2.78	375368	3.95	317335	8.88
IA1DUP	132791	2.78	375368	3.95	317335	8.88
VL0421ABL01	120411	2.78	341628	3.95	293743	8.88
VL0421ABL01	120411	2.78	341628	3.95	293743	8.88
VL0421ABS01	118401	2.78	337921	3.95	293537	8.88
VL0421ABS01	118401	2.78	337921	3.95	293537	8.88

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

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

SAMPLE DATA

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

Client:	GFE LLC	Date Collected:	04/12/25
Project:	416 Clinton St Hempstead	Date Received:	04/14/25
Client Sample ID:	SS2R	SDG No.:	Q1801
Lab Sample ID:	Q1801-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042400.D	4		04/21/25 12:07	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.84	4.15	U	4.15	9.89	ug/m3
74-87-3	Chloromethane	0.39	0.81	U	0.81	4.13	ug/m3
75-01-4	Vinyl Chloride	0.060	0.15	U	0.15	0.31	ug/m3
74-83-9	Bromomethane	0.56	2.17	U	2.17	7.77	ug/m3
75-00-3	Chloroethane	0.68	1.79	U	1.79	5.28	ug/m3
109-99-9	Tetrahydrofuran	0.52	1.53	U	1.53	5.90	ug/m3
75-69-4	Trichlorofluoromethane	0.64	3.60	U	3.60	11.2	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.64	4.91	U	4.91	15.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.35	2.45	U	2.45	14.0	ug/m3
75-65-0	tert-Butyl alcohol	0.76	2.30	U	2.30	6.06	ug/m3
142-82-5	Heptane	0.46	1.89	J	1.80	8.20	ug/m3
75-35-4	1,1-Dichloroethene	0.56	2.22	U	2.22	7.93	ug/m3
67-64-1	Acetone	2.90	6.89		2.28	4.75	ug/m3
75-15-0	Carbon Disulfide	0.64	1.99	U	1.99	6.23	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.48	1.73	U	1.73	7.21	ug/m3
75-09-2	Methylene Chloride	0.90	3.13	J	2.64	6.95	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.76	3.01	U	3.01	7.93	ug/m3
75-34-3	1,1-Dichloroethane	0.52	2.10	U	2.10	8.09	ug/m3
110-82-7	Cyclohexane	0.88	3.03	U	3.03	6.88	ug/m3
78-93-3	2-Butanone	0.48	1.42	U	1.42	5.90	ug/m3
56-23-5	Carbon Tetrachloride	0.040	0.25	U	0.25	0.75	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.36	1.43	U	1.43	7.93	ug/m3
67-66-3	Chloroform	0.33	1.61	U	1.61	9.77	ug/m3
71-55-6	1,1,1-Trichloroethane	0.040	0.22	U	0.22	0.65	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.40	1.87	U	1.87	9.34	ug/m3
71-43-2	Benzene	0.35	1.12	U	1.12	6.39	ug/m3
107-06-2	1,2-Dichloroethane	0.36	1.46	U	1.46	8.09	ug/m3
79-01-6	Trichloroethene	0.070	0.38	U	0.38	0.64	ug/m3
78-87-5	1,2-Dichloropropane	0.44	2.03	U	2.03	9.24	ug/m3
75-27-4	Bromodichloromethane	0.31	2.08	U	2.08	13.4	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.37	1.52	U	1.52	8.20	ug/m3
108-88-3	Toluene	1.80	6.78	J	1.66	7.54	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.24	1.09	U	1.09	9.08	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.26	1.18	U	1.18	9.08	ug/m3
79-00-5	1,1,2-Trichloroethane	0.28	1.53	U	1.53	10.9	ug/m3

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Report of Analysis

Client:	GFE LLC	Date Collected:	04/12/25
Project:	416 Clinton St Hempstead	Date Received:	04/14/25
Client Sample ID:	SS2R	SDG No.:	Q1801
Lab Sample ID:	Q1801-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042400.D	4		04/21/25 12:07	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.26	2.22	U	2.22	17.0	ug/m3
106-93-4	1,2-Dibromoethane	0.29	2.23	U	2.23	3.07	ug/m3
127-18-4	Tetrachloroethene	53.8	365		0.41	0.81	ug/m3
108-90-7	Chlorobenzene	0.30	1.38	U	1.38	9.21	ug/m3
100-41-4	Ethyl Benzene	0.48	2.08	U	2.08	8.69	ug/m3
179601-23-1	m/p-Xylene	0.84	3.65	U	3.65	17.4	ug/m3
95-47-6	o-Xylene	0.48	2.08	U	2.08	8.69	ug/m3
100-42-5	Styrene	0.44	1.87	U	1.87	8.52	ug/m3
75-25-2	Bromoform	0.23	2.38	U	2.38	20.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	0.27	0.82	ug/m3
95-49-8	2-Chlorotoluene	0.44	2.28	U	2.28	10.4	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.44	2.16	U	2.16	9.83	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.49	2.41	J	1.52	9.83	ug/m3
541-73-1	1,3-Dichlorobenzene	0.32	1.92	U	1.92	12.0	ug/m3
106-46-7	1,4-Dichlorobenzene	0.21	1.26	U	1.26	12.0	ug/m3
95-50-1	1,2-Dichlorobenzene	0.30	1.80	U	1.80	12.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.34	2.52	U	2.52	14.8	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.34	3.63	U	3.63	21.3	ug/m3
106-99-0	1,3-Butadiene	0.52	1.15	U	1.15	4.42	ug/m3
91-20-3	Naphthalene	0.30	1.57	U	1.57	2.10	ug/m3
622-96-8	4-Ethyltoluene	0.48	2.36	U	2.36	9.83	ug/m3
110-54-3	Hexane	8.20	28.9		1.55	7.05	ug/m3
107-05-1	Allyl Chloride	0.60	1.88	U	1.88	6.26	ug/m3
123-91-1	1,4-Dioxane	0.84	3.03	U	3.03	7.21	ug/m3
80-62-6	Methyl Methacrylate	0.34	1.39	U	1.39	8.19	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.5			65 - 135	105%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	127000		2.784			
540-36-3	1,4-Difluorobenzene	353000		3.952			
3114-55-4	Chlorobenzene-d5	304000		8.875			

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Report of Analysis

Client:	GFE LLC	Date Collected:	04/12/25
Project:	416 Clinton St Hempstead	Date Received:	04/14/25
Client Sample ID:	SS2R	SDG No.:	Q1801
Lab Sample ID:	Q1801-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042400.D	4		04/21/25 12:07	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042400.D
Acq On : 21 Apr 2025 12:07
Operator : SY/MD
Sample : Q1801-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS2R

Quant Time: Apr 22 02:52:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	127438	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	352813	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	303522	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	261136	10.470	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	2752	0.122	ppbv		90
10) Heptane	4.965	43	3144m	0.115	ppbv		
13) Ethanol	1.719	45	2925m	1.885	ppbv		
15) Acetone	1.835	43	15004	0.719	ppbv		93
20) Methylene Chloride	2.062	84	1839	0.225	ppbv	#	87
23) Vinyl Acetate	2.460	43	53575	6.344	ppbv	#	96
26) Hexane	2.823	57	42883	2.060	ppbv	#	26
34) 2-Butanone	2.560	43	2937	0.105	ppbv		98
52) Tetrachloroethene	8.218	164	197775	13.446	ppbv	#	86
53) Toluene	6.923	91	20734	0.454	ppbv		96
59) m/p-Xylene	9.526	91	5667m	0.117	ppbv		
74) 1,2,4-Trimethylbenzene	11.529	105	7515	0.122	ppbv	#	61

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

Quantitation Report (QT Reviewed)

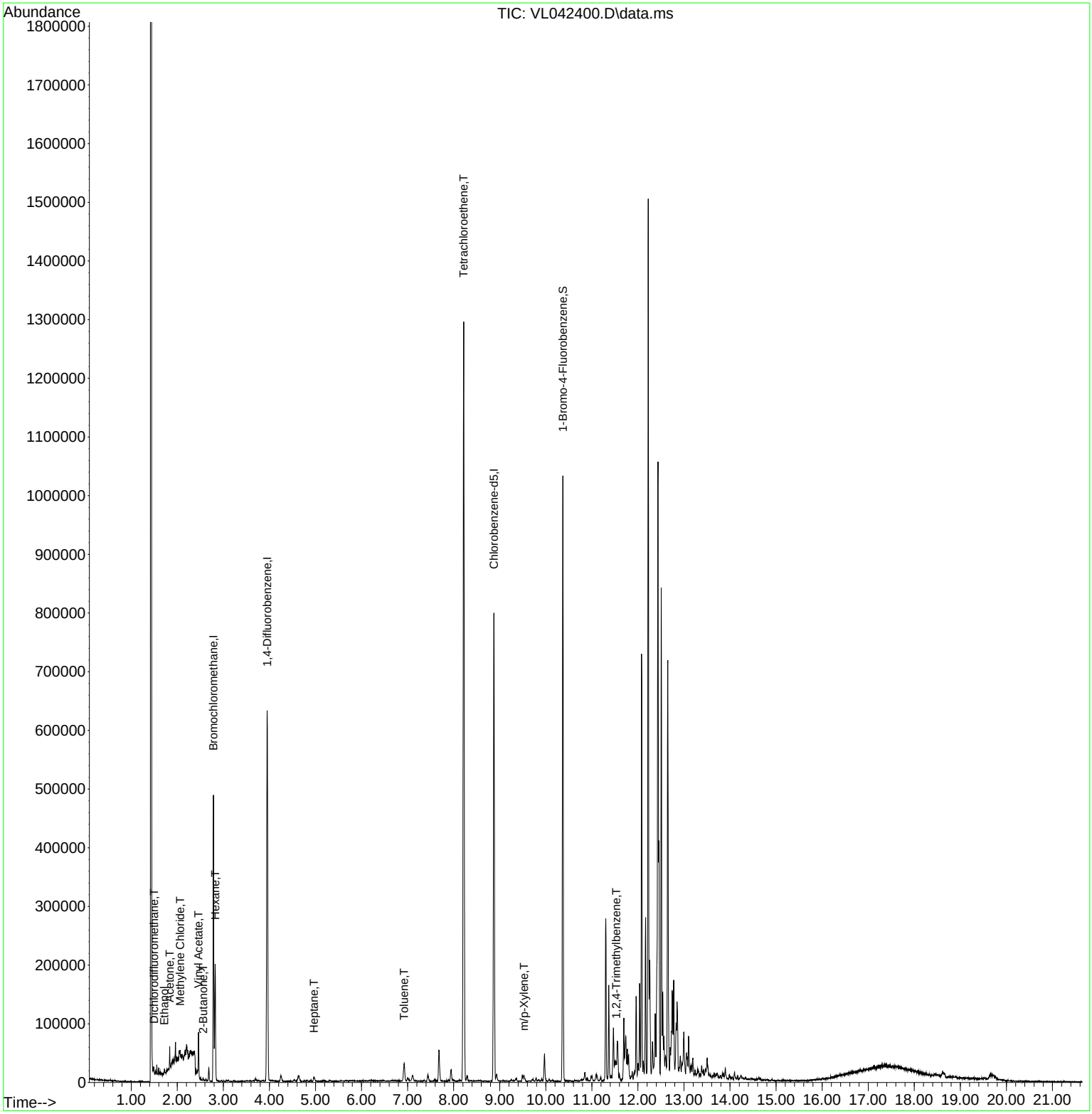
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042400.D
Acq On : 21 Apr 2025 12:07
Operator : SY/MD
Sample : Q1801-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

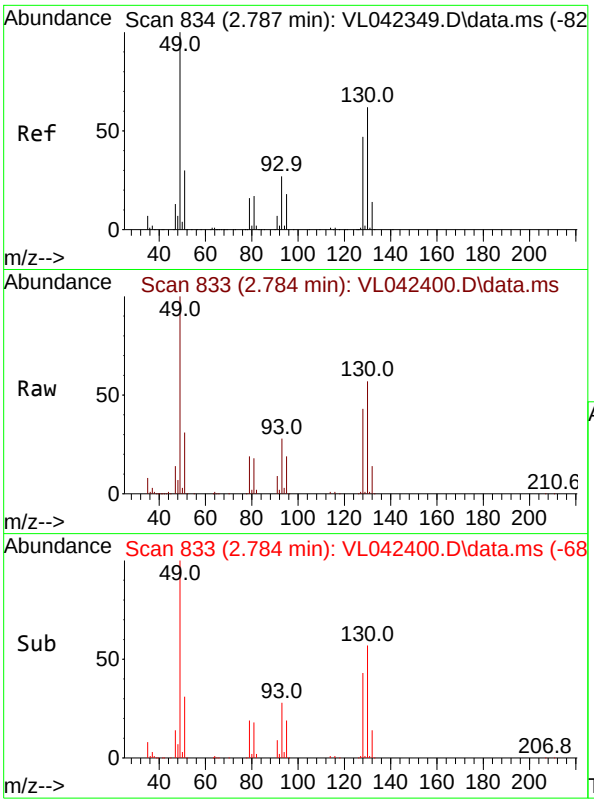
Quant Time: Apr 22 02:52:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SS2R

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

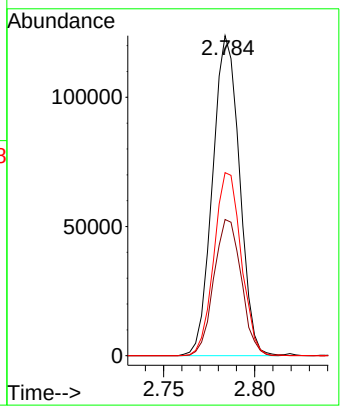
Tgt Ion: 49 Resp: 12743

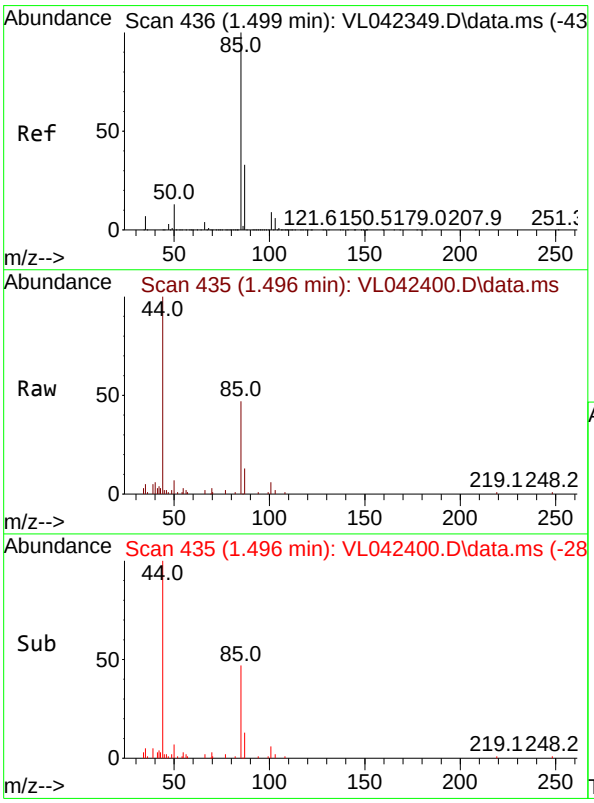
Ion	Ratio	Lower	Upper
49	100		
128	43.3	22.8	68.4
130	57.8	29.3	88.0

Instrument :
MSVOA_L
ClientSampleId :
SS2R

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

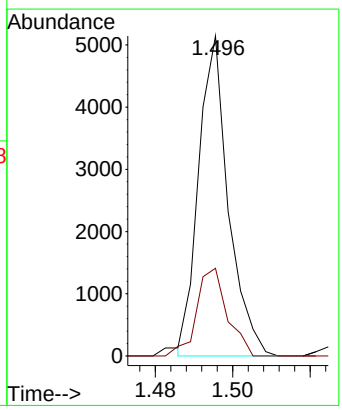


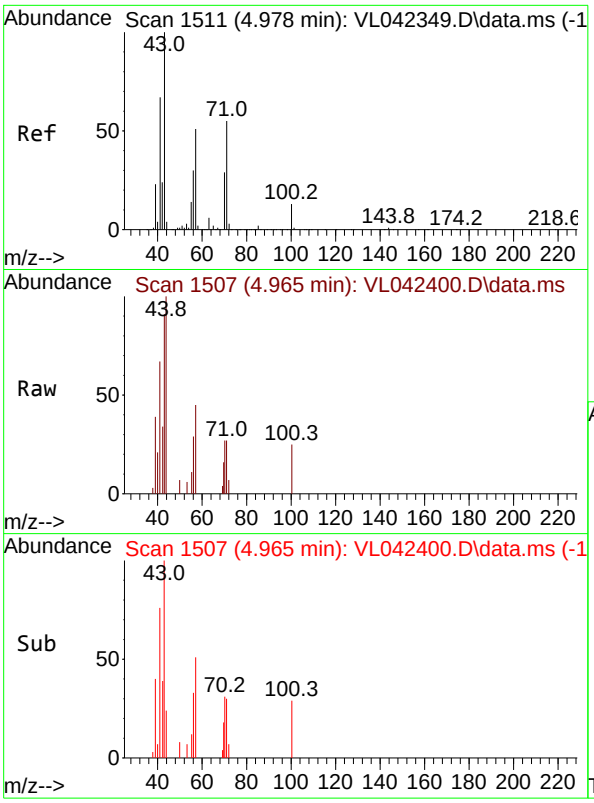


#2
Dichlorodifluoromethane
Concen: 0.122 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion: 85 Resp: 2752

Ion	Ratio	Lower	Upper
85	100		
87	27.4	26.6	39.8





#10
Heptane
Concen: 0.115 ppbv m
RT: 4.965 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

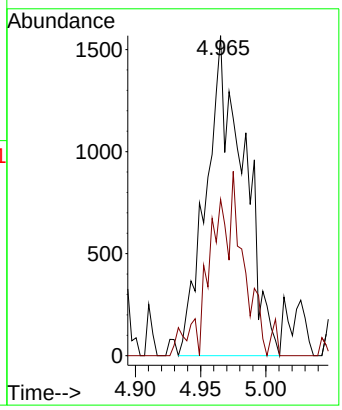
Tgt Ion: 43 Resp: 314

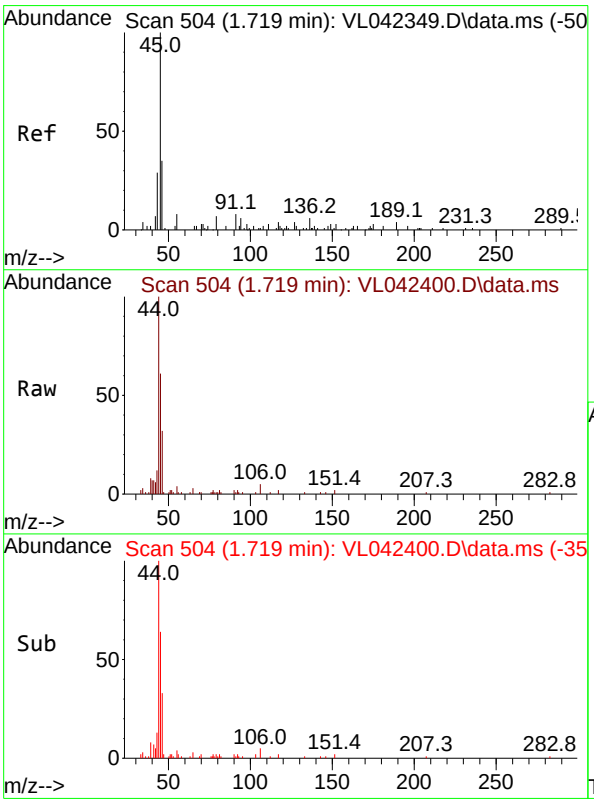
Ion	Ratio	Lower	Upper
43	100		
57	50.2	39.9	59.9

Instrument :
MSVOA_L
ClientSampleId :
SS2R

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

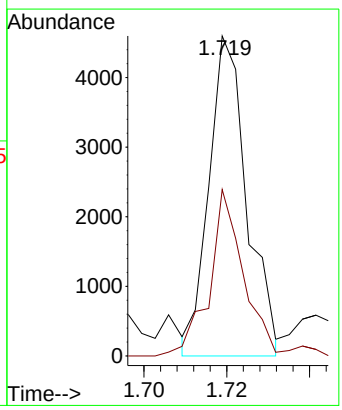


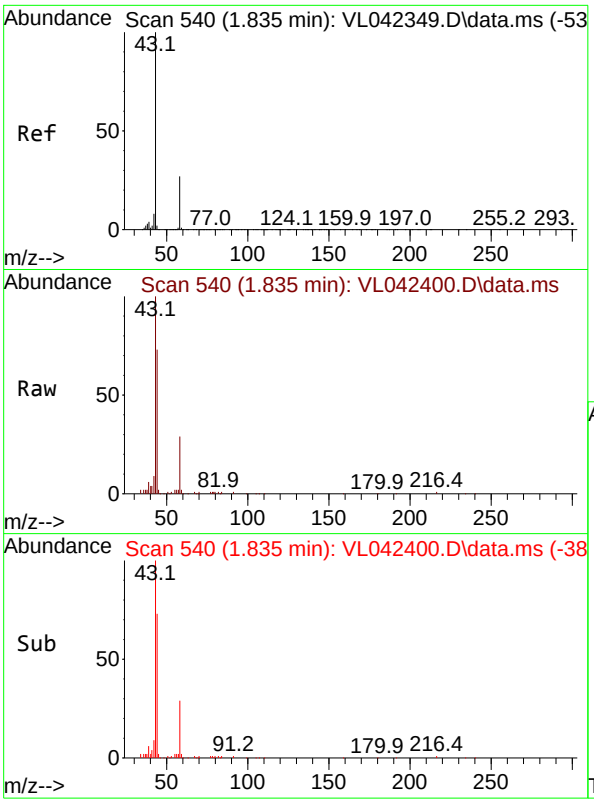


#13
Ethanol
Concen: 1.885 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion: 45 Resp: 2925

Ion	Ratio	Lower	Upper
45	100		
46	8881.7	21.9	87.7#





#15
Acetone
Concen: 0.719 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

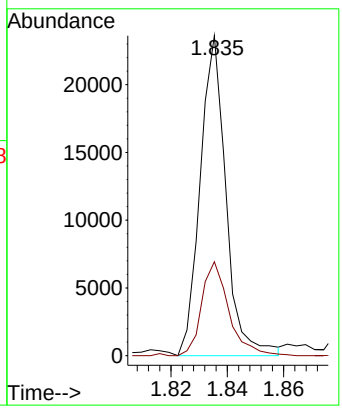
Tgt Ion: 43 Resp: 1500

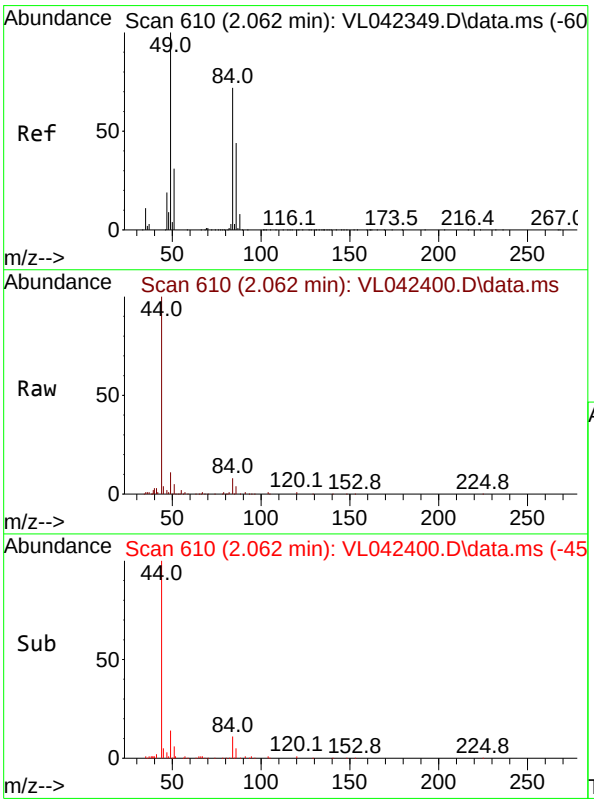
Ion	Ratio	Lower	Upper
43	100		
58	31.5	22.4	33.6

Instrument :
MSVOA_L
ClientSampleId :
SS2R

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

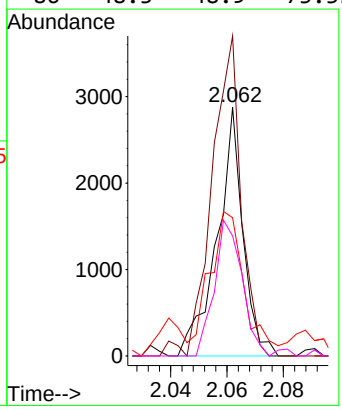


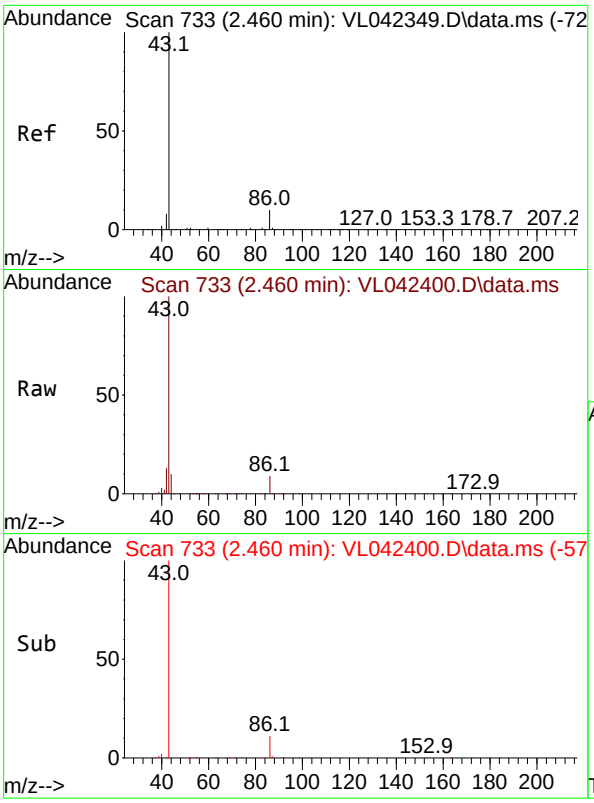


#20
Methylene Chloride
Concen: 0.225 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion: 84 Resp: 1839

Ion	Ratio	Lower	Upper
84	100		
49	128.6	111.6	167.4
51	56.5	35.1	52.7#
86	48.3	48.9	73.3#

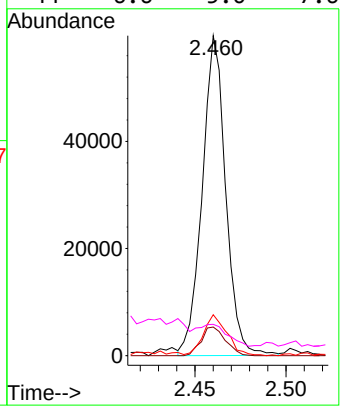




#23
Vinyl Acetate
Concen: 6.344 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion: 43 Resp: 5357

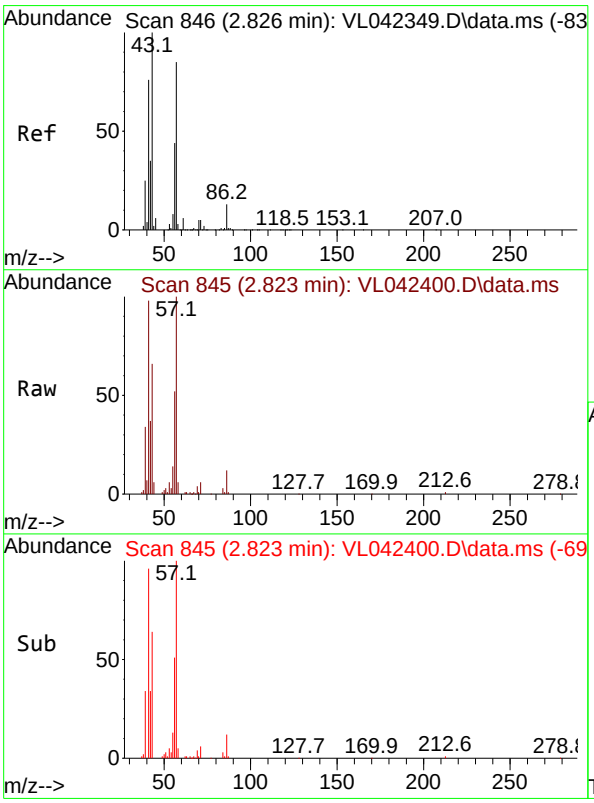
Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.5	9.7
42	12.9	7.8	11.8#
44	6.6	5.0	7.6



Instrument :
MSVOA_L
ClientSampleId :
SS2R

Manual Integrations
APPROVED

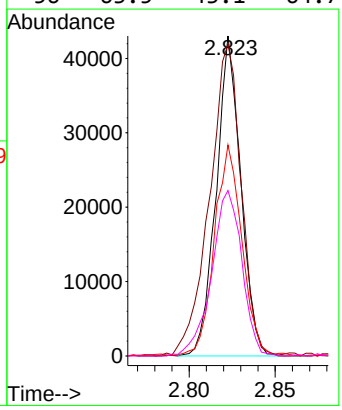
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

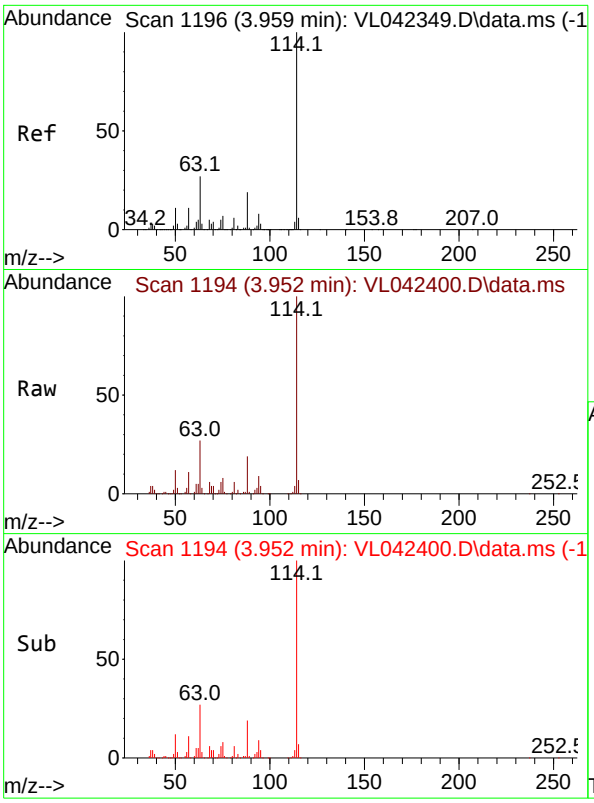


#26
Hexane
Concen: 2.060 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion: 57 Resp: 42883

Ion	Ratio	Lower	Upper
57	100		
41	126.1	77.9	116.9#
43	74.8	208.4	312.6#
56	63.5	43.1	64.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

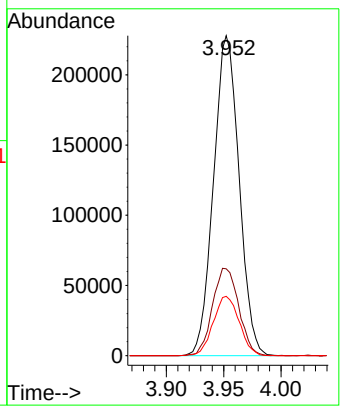
Tgt Ion:114 Resp: 35281

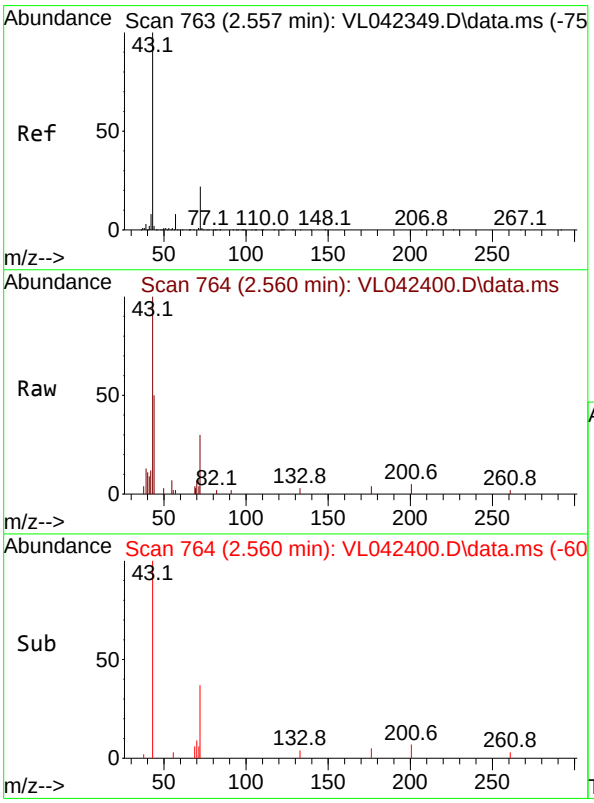
Ion	Ratio	Lower	Upper
114	100		
63	28.1	21.8	32.6
88	18.9	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
SS2R

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

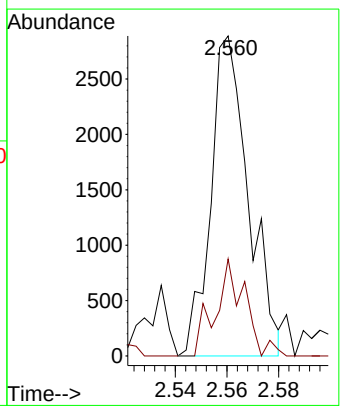


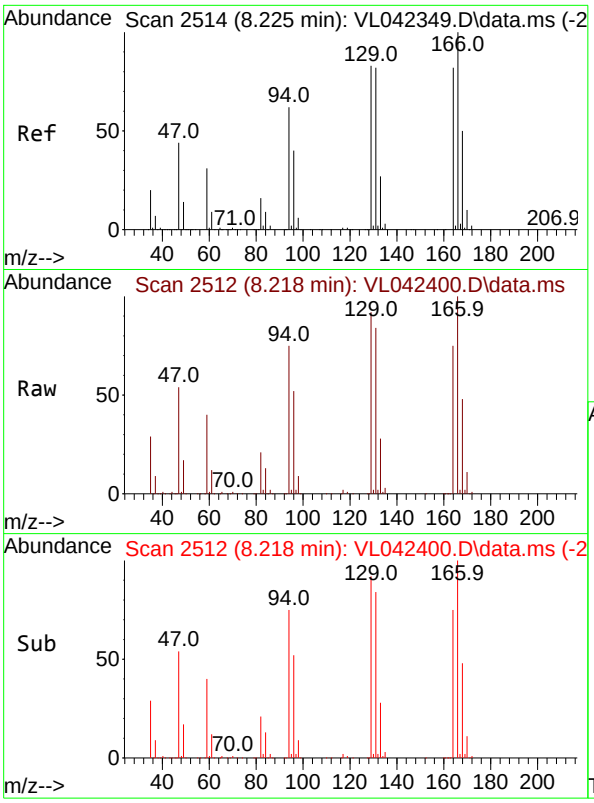


#34
2-Butanone
Concen: 0.105 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion: 43 Resp: 2937

Ion	Ratio	Lower	Upper
43	100		
72	23.9	18.2	27.2

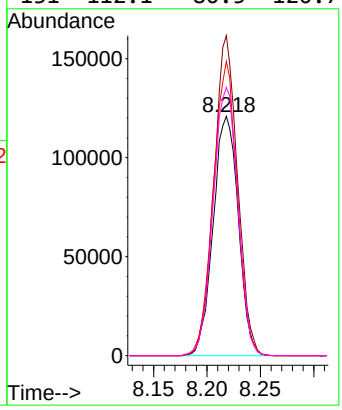




#52
Tetrachloroethene
Concen: 13.446 ppbv
RT: 8.218 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion:164 Resp: 19777

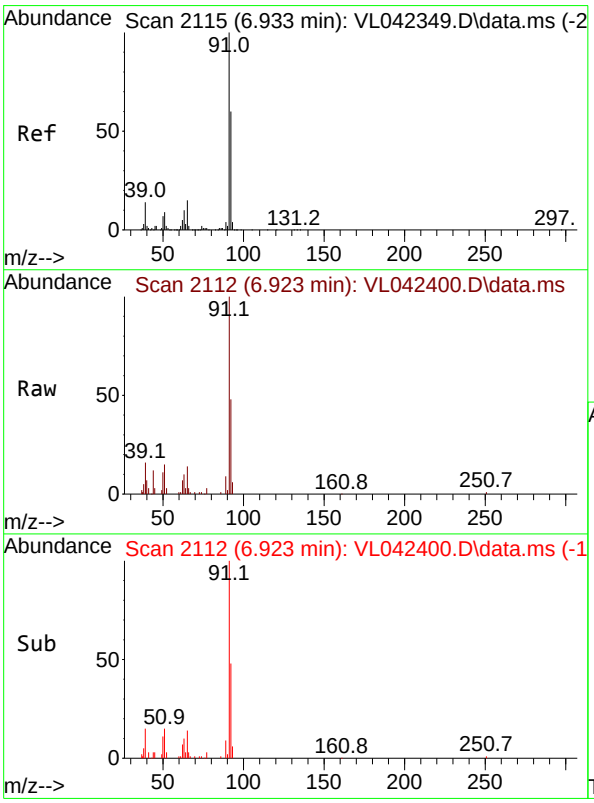
Ion	Ratio	Lower	Upper
164	100		
166	133.7	98.2	147.2
129	123.0	81.8	122.8#
131	112.1	80.5	120.7



Instrument :
MSVOA_L
ClientSampleId :
SS2R

Manual Integrations
APPROVED

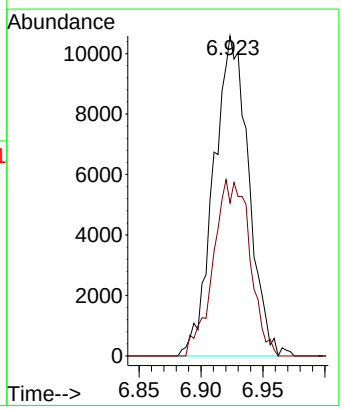
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

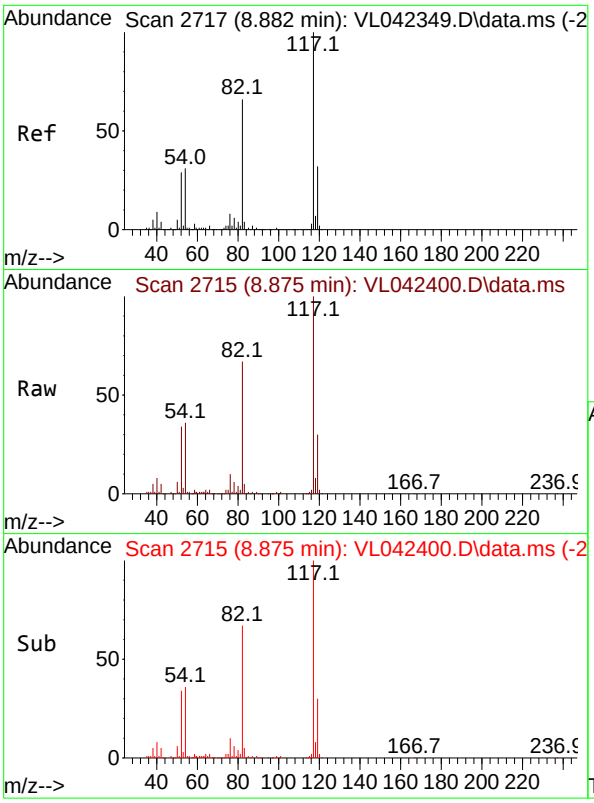


#53
Toluene
Concen: 0.454 ppbv
RT: 6.923 min Scan# 2112
Delta R.T. -0.010 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion: 91 Resp: 20734

Ion	Ratio	Lower	Upper
91	100		
92	57.6	48.2	72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

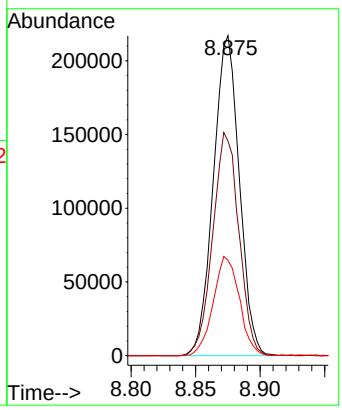
Tgt Ion:117 Resp: 30352

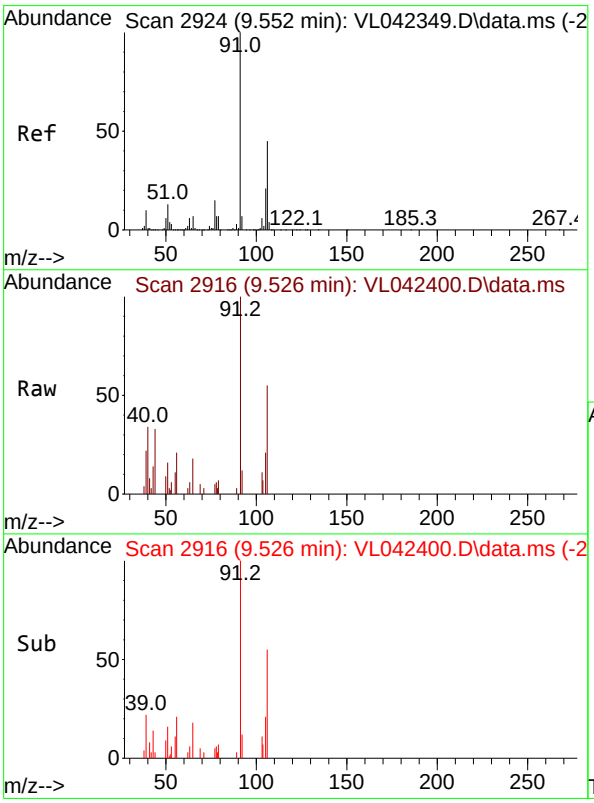
Ion	Ratio	Lower	Upper
117	100		
82	70.2	57.8	86.6
119	31.3	25.2	37.8

Instrument :
MSVOA_L
ClientSampleId :
SS2R

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

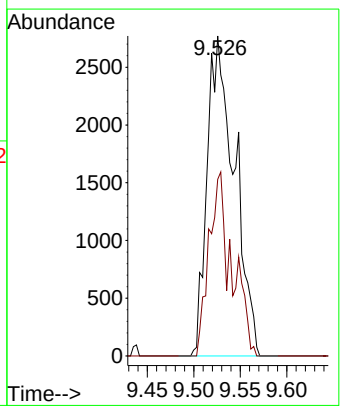


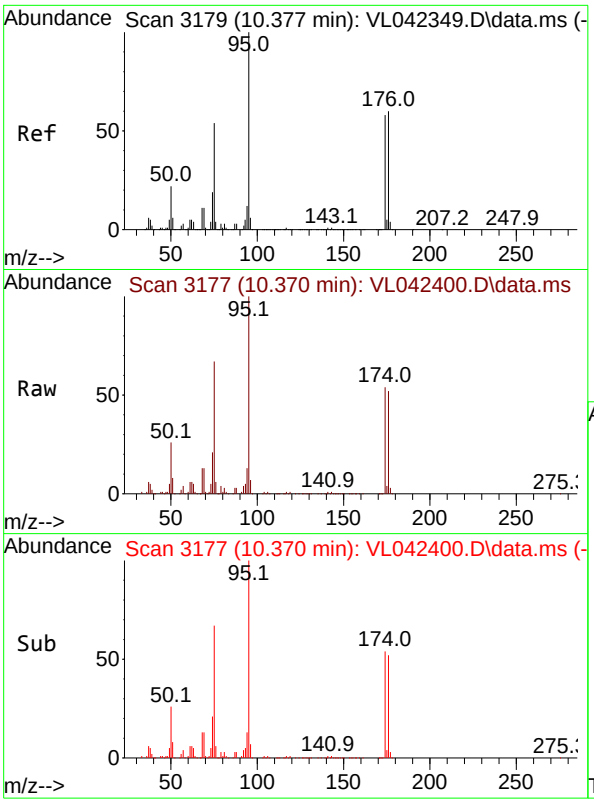


#59
m/p-Xylene
Concen: 0.117 ppbv m
RT: 9.526 min Scan# 2916
Delta R.T. -0.026 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion: 91 Resp: 5667

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

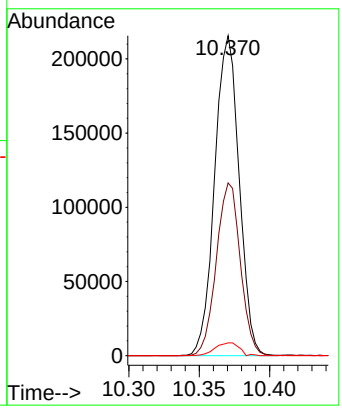




#68
1-Bromo-4-Fluorobenzene
Concen: 10.470 ppbv
RT: 10.370 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion: 95 Resp: 26113

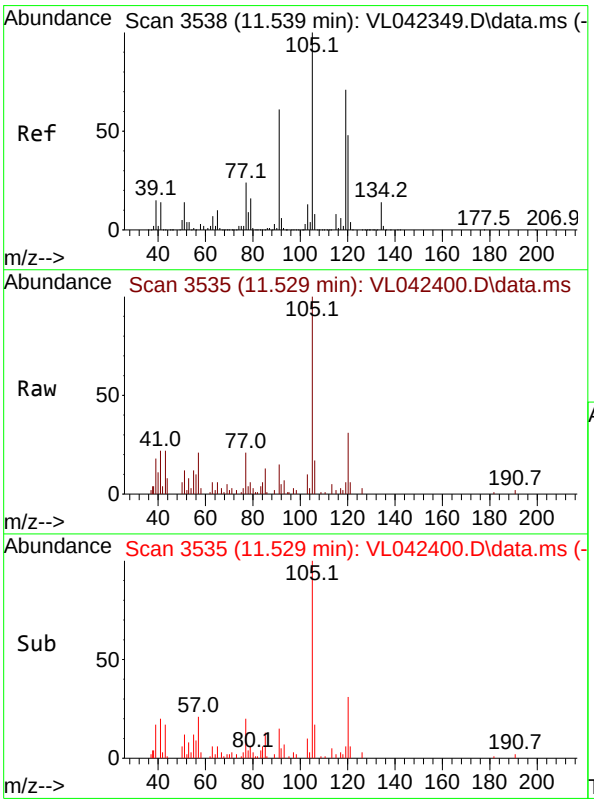
Ion	Ratio	Lower	Upper
95	100		
174	53.0	48.5	72.7
175	4.0	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
SS2R

Manual Integrations
APPROVED

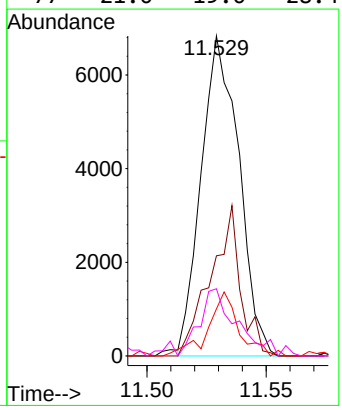
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.122 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.010 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion:105 Resp: 7515

Ion	Ratio	Lower	Upper
105	100		
120	31.3	38.1	57.1#
91	12.9	48.8	73.2#
77	21.0	19.0	28.4



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

Report of Analysis

Client:	GFE LLC	Date Collected:	04/12/25
Project:	416 Clinton St Hempstead	Date Received:	04/14/25
Client Sample ID:	SS3	SDG No.:	Q1801
Lab Sample ID:	Q1801-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042401.D	4		04/21/25 12:51	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.84	4.15	U	4.15	9.89	ug/m3
74-87-3	Chloromethane	0.39	0.81	U	0.81	4.13	ug/m3
75-01-4	Vinyl Chloride	0.060	0.15	U	0.15	0.31	ug/m3
74-83-9	Bromomethane	0.56	2.17	U	2.17	7.77	ug/m3
75-00-3	Chloroethane	0.68	1.79	U	1.79	5.28	ug/m3
109-99-9	Tetrahydrofuran	0.52	1.53	U	1.53	5.90	ug/m3
75-69-4	Trichlorofluoromethane	0.64	3.60	U	3.60	11.2	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.64	4.91	U	4.91	15.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.35	2.45	U	2.45	14.0	ug/m3
75-65-0	tert-Butyl alcohol	0.76	2.30	U	2.30	6.06	ug/m3
142-82-5	Heptane	0.44	1.80	U	1.80	8.20	ug/m3
75-35-4	1,1-Dichloroethene	0.56	2.22	U	2.22	7.93	ug/m3
67-64-1	Acetone	5.90	14.0		2.28	4.75	ug/m3
75-15-0	Carbon Disulfide	0.64	1.99	U	1.99	6.23	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.48	1.73	U	1.73	7.21	ug/m3
75-09-2	Methylene Chloride	0.76	2.64	U	2.64	6.95	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.76	3.01	U	3.01	7.93	ug/m3
75-34-3	1,1-Dichloroethane	0.52	2.10	U	2.10	8.09	ug/m3
110-82-7	Cyclohexane	0.88	3.03	U	3.03	6.88	ug/m3
78-93-3	2-Butanone	0.52	1.53	J	1.42	5.90	ug/m3
56-23-5	Carbon Tetrachloride	0.040	0.25	U	0.25	0.75	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.36	1.43	U	1.43	7.93	ug/m3
67-66-3	Chloroform	0.50	2.44	J	1.61	9.77	ug/m3
71-55-6	1,1,1-Trichloroethane	0.040	0.22	U	0.22	0.65	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.40	1.87	U	1.87	9.34	ug/m3
71-43-2	Benzene	0.35	1.12	U	1.12	6.39	ug/m3
107-06-2	1,2-Dichloroethane	0.36	1.46	U	1.46	8.09	ug/m3
79-01-6	Trichloroethene	0.070	0.38	U	0.38	0.64	ug/m3
78-87-5	1,2-Dichloropropane	0.44	2.03	U	2.03	9.24	ug/m3
75-27-4	Bromodichloromethane	0.31	2.08	U	2.08	13.4	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.37	1.52	U	1.52	8.20	ug/m3
108-88-3	Toluene	1.40	5.28	J	1.66	7.54	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.24	1.09	U	1.09	9.08	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.26	1.18	U	1.18	9.08	ug/m3
79-00-5	1,1,2-Trichloroethane	0.28	1.53	U	1.53	10.9	ug/m3

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

Report of Analysis

Client:	GFE LLC	Date Collected:	04/12/25
Project:	416 Clinton St Hempstead	Date Received:	04/14/25
Client Sample ID:	SS3	SDG No.:	Q1801
Lab Sample ID:	Q1801-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042401.D	4		04/21/25 12:51	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.26	2.22	U	2.22	17.0	ug/m3
106-93-4	1,2-Dibromoethane	0.29	2.23	U	2.23	3.07	ug/m3
127-18-4	Tetrachloroethene	4.20	28.5		0.41	0.81	ug/m3
108-90-7	Chlorobenzene	0.30	1.38	U	1.38	9.21	ug/m3
100-41-4	Ethyl Benzene	0.48	2.08	U	2.08	8.69	ug/m3
179601-23-1	m/p-Xylene	1.00	4.34	J	3.65	17.4	ug/m3
95-47-6	o-Xylene	0.48	2.08	U	2.08	8.69	ug/m3
100-42-5	Styrene	0.44	1.87	U	1.87	8.52	ug/m3
75-25-2	Bromoform	0.23	2.38	U	2.38	20.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	0.27	0.82	ug/m3
95-49-8	2-Chlorotoluene	0.44	2.28	U	2.28	10.4	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.44	2.16	U	2.16	9.83	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.90	4.42	J	1.52	9.83	ug/m3
541-73-1	1,3-Dichlorobenzene	0.32	1.92	U	1.92	12.0	ug/m3
106-46-7	1,4-Dichlorobenzene	0.21	1.26	U	1.26	12.0	ug/m3
95-50-1	1,2-Dichlorobenzene	0.30	1.80	U	1.80	12.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.34	2.52	U	2.52	14.8	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.34	3.63	U	3.63	21.3	ug/m3
106-99-0	1,3-Butadiene	0.52	1.15	U	1.15	4.42	ug/m3
91-20-3	Naphthalene	0.30	1.57	U	1.57	2.10	ug/m3
622-96-8	4-Ethyltoluene	0.48	2.36	U	2.36	9.83	ug/m3
110-54-3	Hexane	4.10	14.4		1.55	7.05	ug/m3
107-05-1	Allyl Chloride	0.60	1.88	U	1.88	6.26	ug/m3
123-91-1	1,4-Dioxane	0.84	3.03	U	3.03	7.21	ug/m3
80-62-6	Methyl Methacrylate	0.34	1.39	U	1.39	8.19	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	122000		2.787			
540-36-3	1,4-Difluorobenzene	338000		3.958			
3114-55-4	Chlorobenzene-d5	287000		8.878			

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

Report of Analysis

Client:	GFE LLC	Date Collected:	04/12/25
Project:	416 Clinton St Hempstead	Date Received:	04/14/25
Client Sample ID:	SS3	SDG No.:	Q1801
Lab Sample ID:	Q1801-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042401.D	4		04/21/25 12:51	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042401.D
Acq On : 21 Apr 2025 12:51
Operator : SY/MD
Sample : Q1801-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 02:53:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SS3

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	122041	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.958	114	337832	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	286610	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	248812	10.564	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	2467	0.114	ppbv		97
9) Propene	1.486	41	1848	0.198	ppbv		88
13) Ethanol	1.722	45	11547	7.769	ppbv	#	24
15) Acetone	1.835	43	29636	1.483	ppbv		97
17) tert-Butyl alcohol	2.042	59	3820	0.154	ppbv	#	71
19) Isopropyl Alcohol	1.887	45	9166	0.826	ppbv	#	17
20) Methylene Chloride	2.059	84	1438	0.184	ppbv	#	86
23) Vinyl Acetate	2.463	43	6182	0.764	ppbv	#	74
26) Hexane	2.822	57	20551	1.031	ppbv	#	24
29) Chloroform	2.848	83	3530	0.125	ppbv	#	67
34) 2-Butanone	2.563	43	3442	0.129	ppbv	#	77
52) Tetrachloroethene	8.221	164	14958	1.062	ppbv		89
53) Toluene	6.933	91	15319m	0.350	ppbv		
59) m/p-Xylene	9.522	91	11844m	0.259	ppbv		
60) o-Xylene	9.962	91	5177	0.112	ppbv		95
74) 1,2,4-Trimethylbenzene	11.535	105	13013	0.224	ppbv	#	63

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

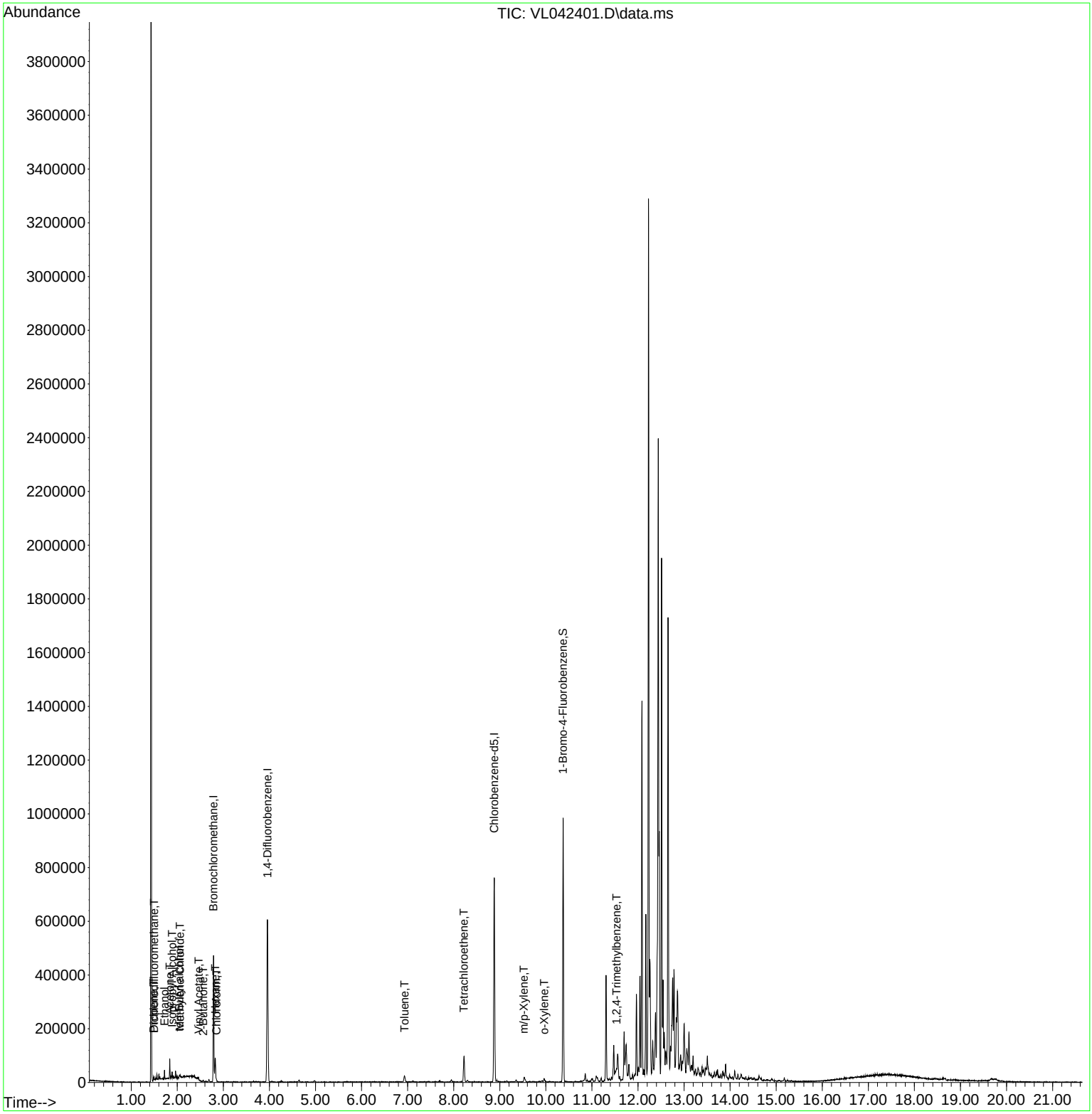
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042401.D
Acq On : 21 Apr 2025 12:51
Operator : SY/MD
Sample : Q1801-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

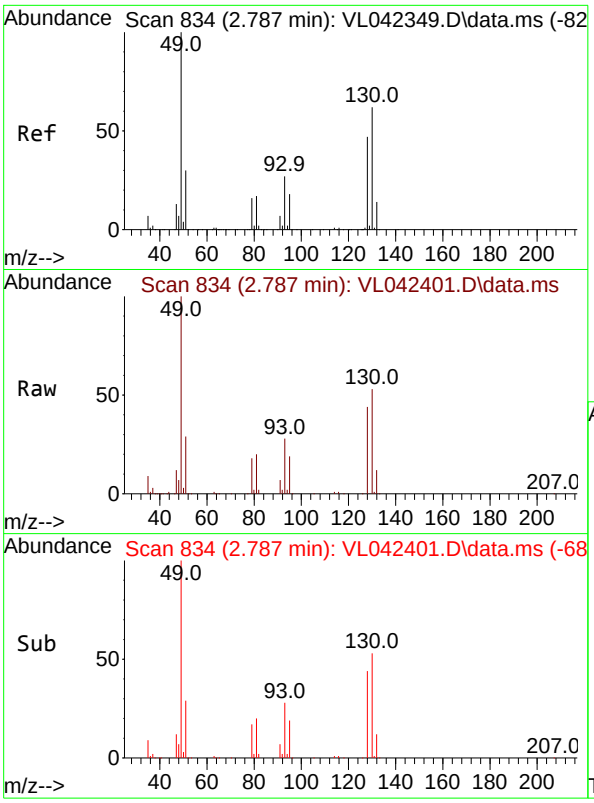
Quant Time: Apr 22 02:53:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SS3

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

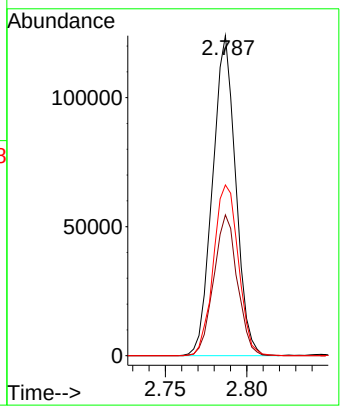




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 49 Resp: 12204

Ion	Ratio	Lower	Upper
49	100		
128	44.9	22.8	68.4
130	57.5	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
SS3

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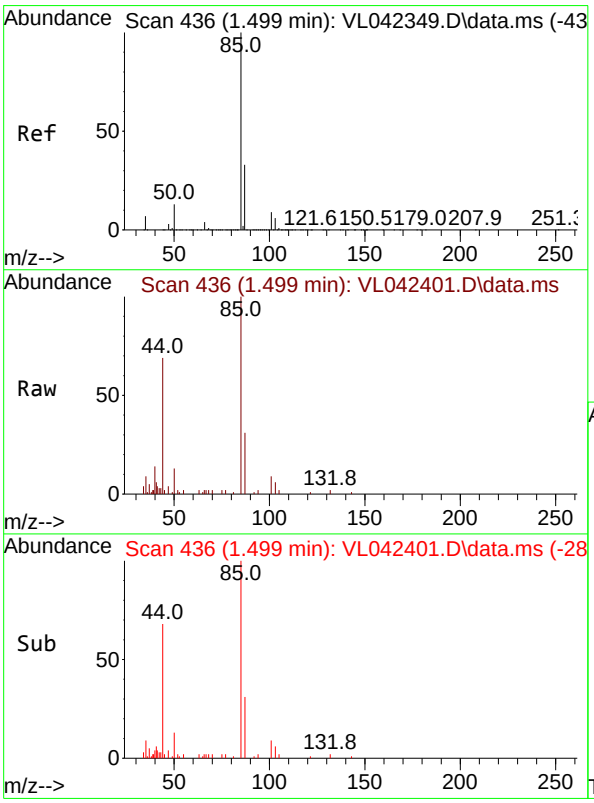
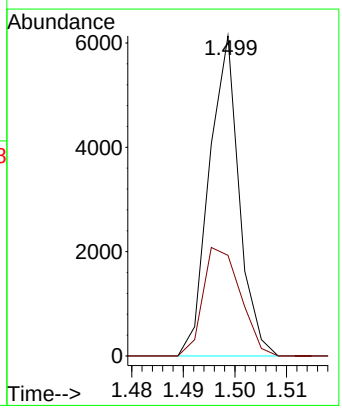
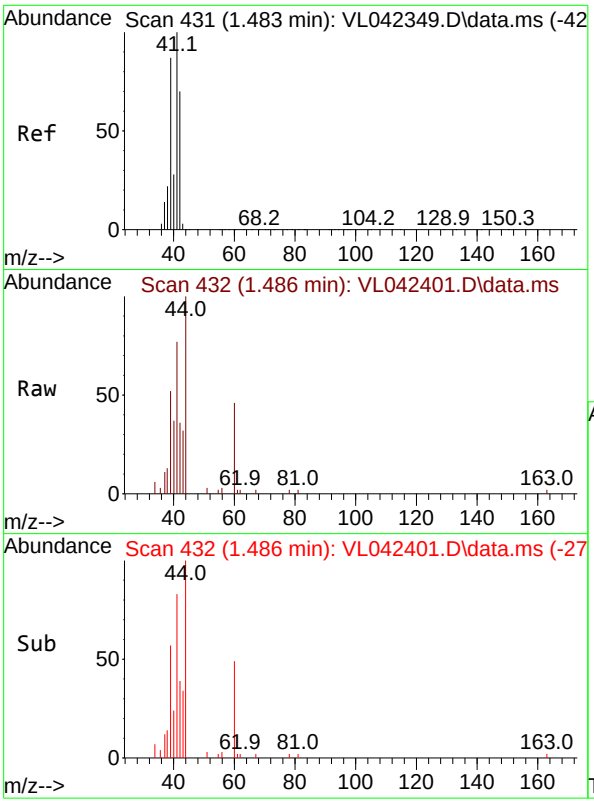


#2
Dichlorodifluoromethane
Concen: 0.114 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 85 Resp: 2467

Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.6	39.8

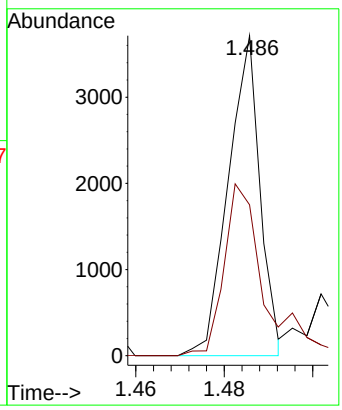




#9
Propene
Concen: 0.198 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 41 Resp: 184

Ion	Ratio	Lower	Upper
41	100		
42	80.0	56.2	84.4



Instrument :
MSVOA_L
ClientSampleId :
SS3

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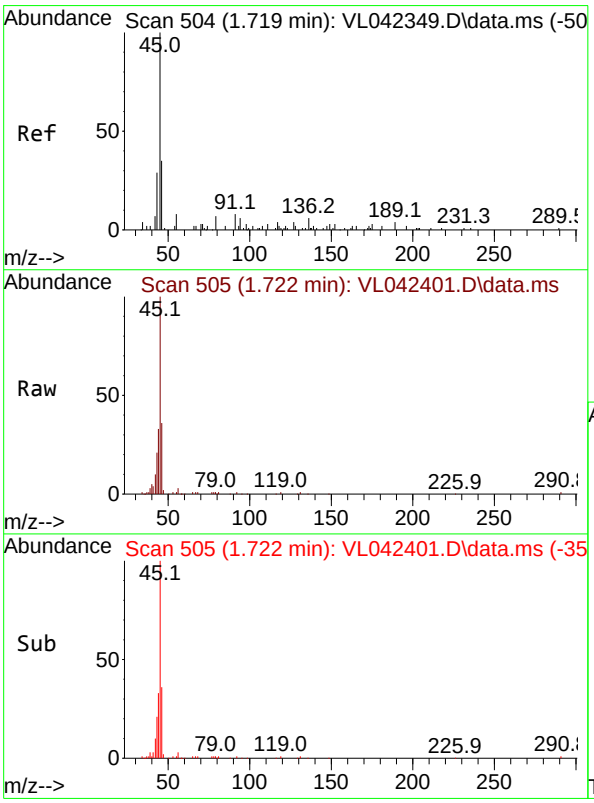
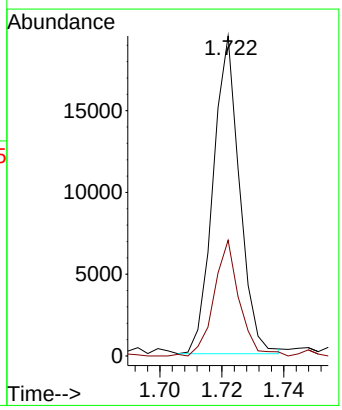
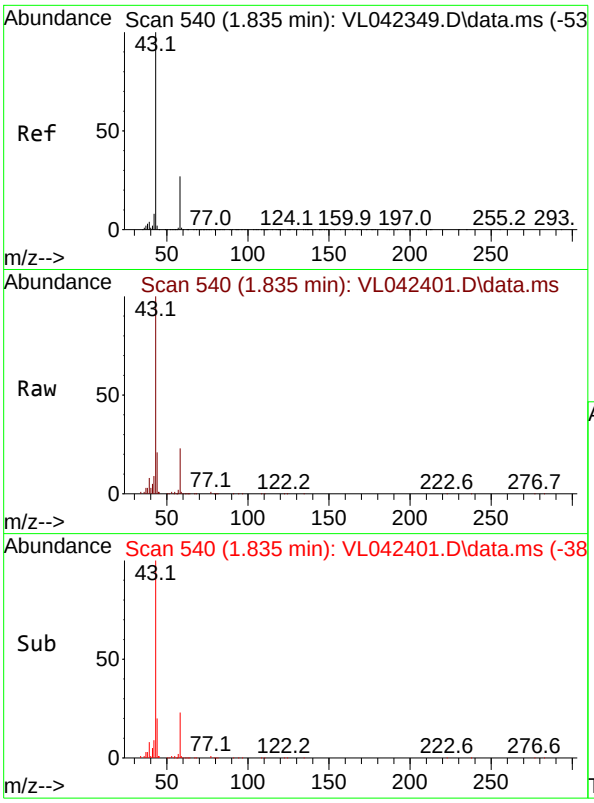


#13
Ethanol
Concen: 7.769 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 45 Resp: 11547

Ion	Ratio	Lower	Upper
45	100		
46	0.0	21.9	87.7#

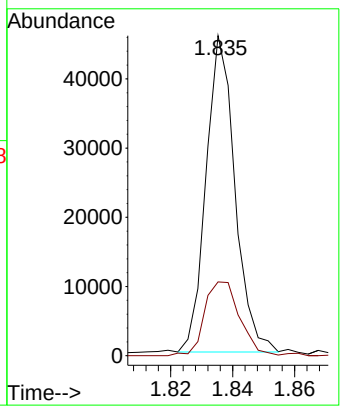




#15
Acetone
Concen: 1.483 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 43 Resp: 2963

Ion	Ratio	Lower	Upper
43	100		
58	29.8	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
SS3

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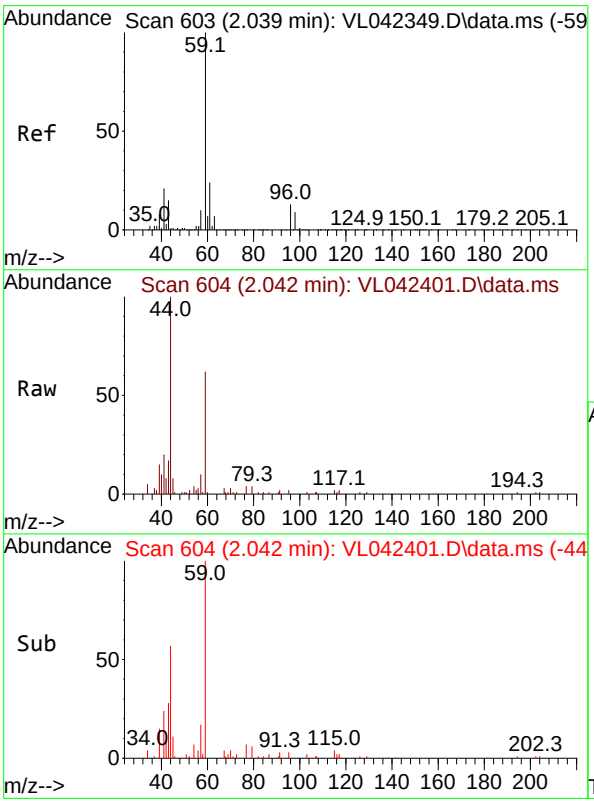
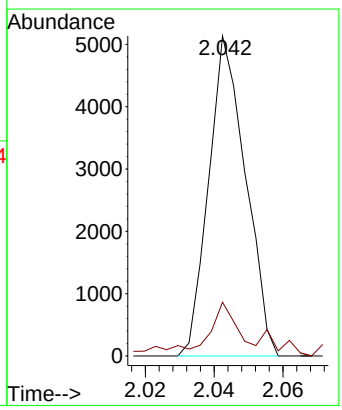
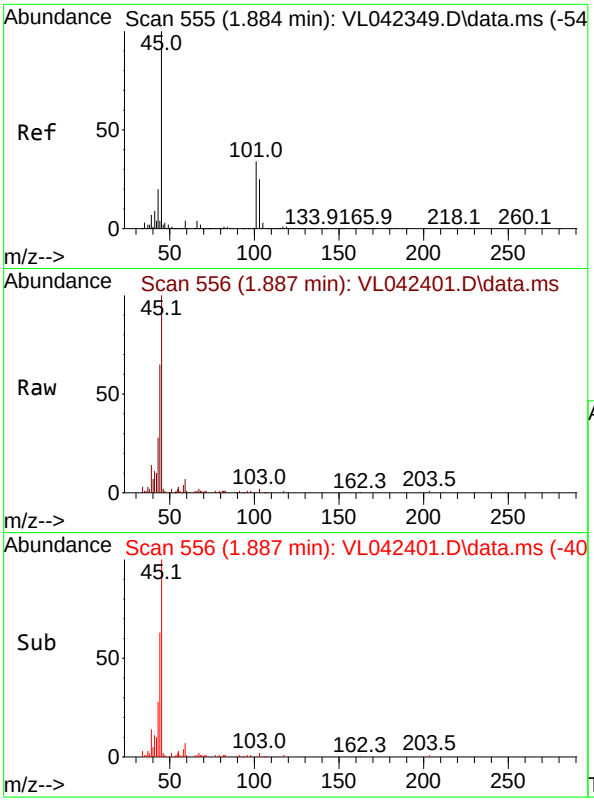


#17
tert-Butyl alcohol
Concen: 0.154 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 59 Resp: 3820

Ion	Ratio	Lower	Upper
59	100		
57	22.0	8.7	13.1#





#19
Isopropyl Alcohol
Concen: 0.826 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 45 Resp: 916

Ion	Ratio	Lower	Upper
45	100		
58	96.2	34.5	51.7#

Instrument :
MSVOA_L
ClientSampleId :
SS3

Manual Integrations
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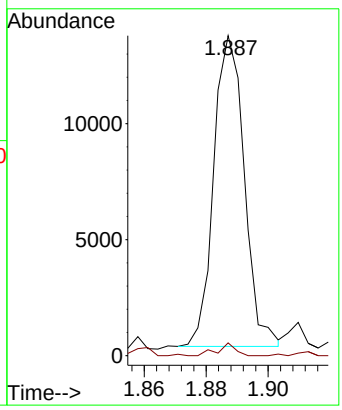
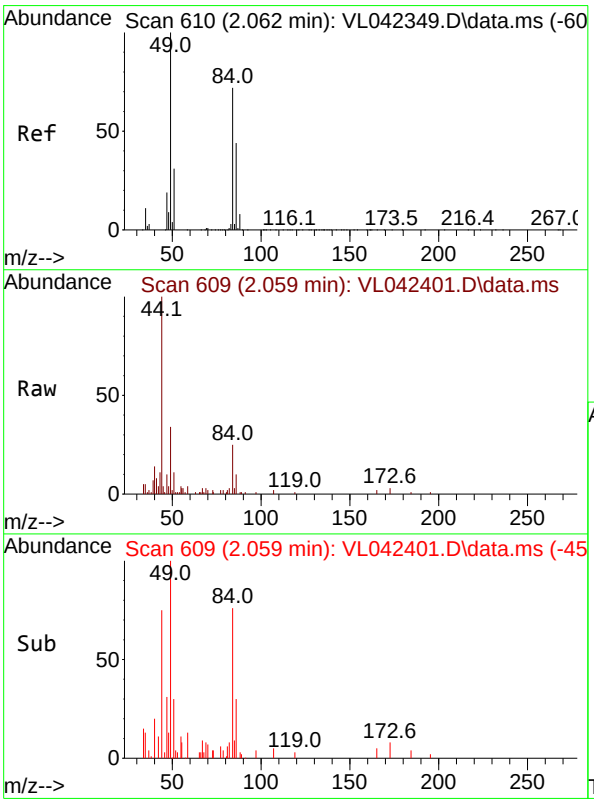
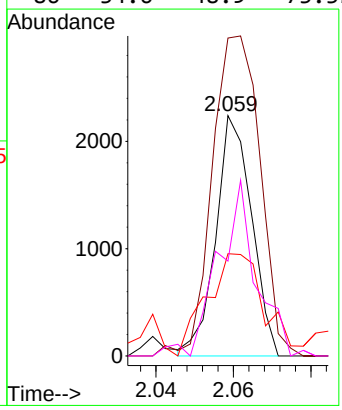


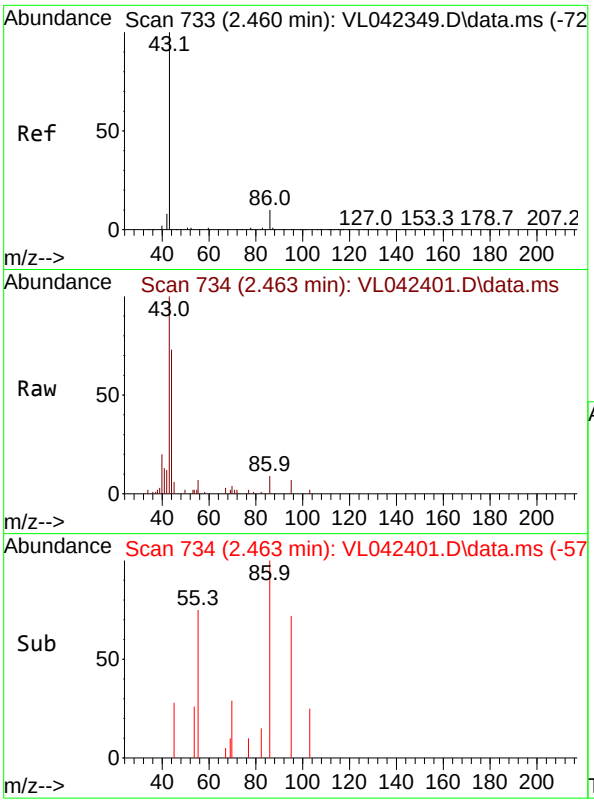


#20
Methylene Chloride
Concen: 0.184 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 84 Resp: 1438

Ion	Ratio	Lower	Upper
84	100		
49	130.0	111.6	167.4
51	42.5	35.1	52.7
86	34.6	48.9	73.3#

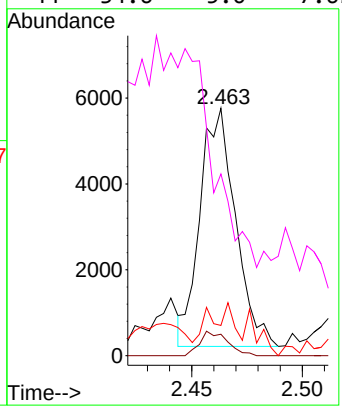




#23
Vinyl Acetate
Concen: 0.764 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 43 Resp: 618

Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.5	9.7
42	12.7	7.8	11.8#
44	34.6	5.0	7.6#



Instrument :
MSVOA_L
ClientSampleId :
SS3

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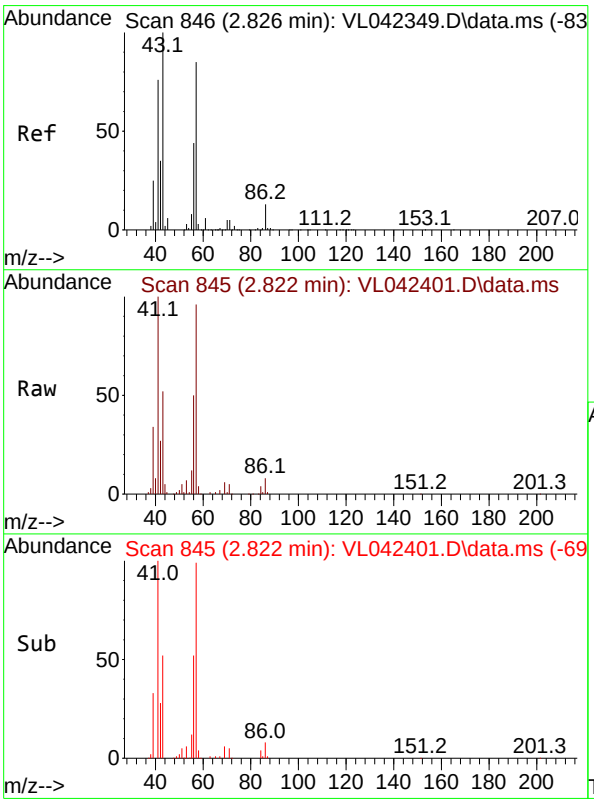
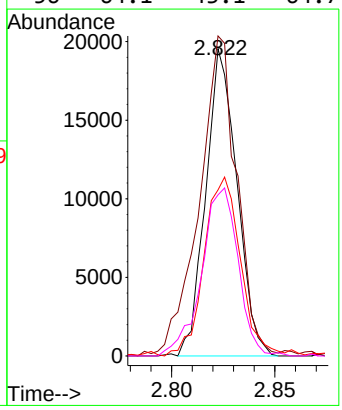
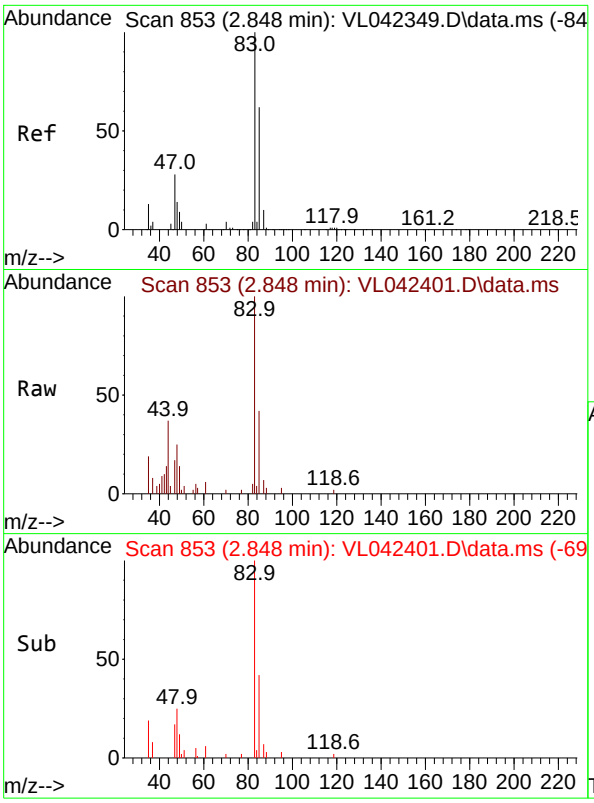


#26
Hexane
Concen: 1.031 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 57 Resp: 20551

Ion	Ratio	Lower	Upper
57	100		
41	126.8	77.9	116.9#
43	70.4	208.4	312.6#
56	64.1	43.1	64.7





#29
Chloroform
Concen: 0.125 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 83 Resp: 353

Ion	Ratio	Lower	Upper
83	100		
85	37.3	50.0	75.0#

Instrument :
MSVOA_L
ClientSampleId :
SS3

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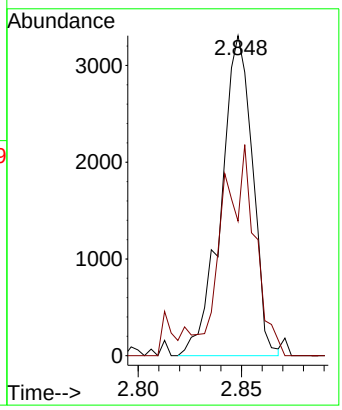
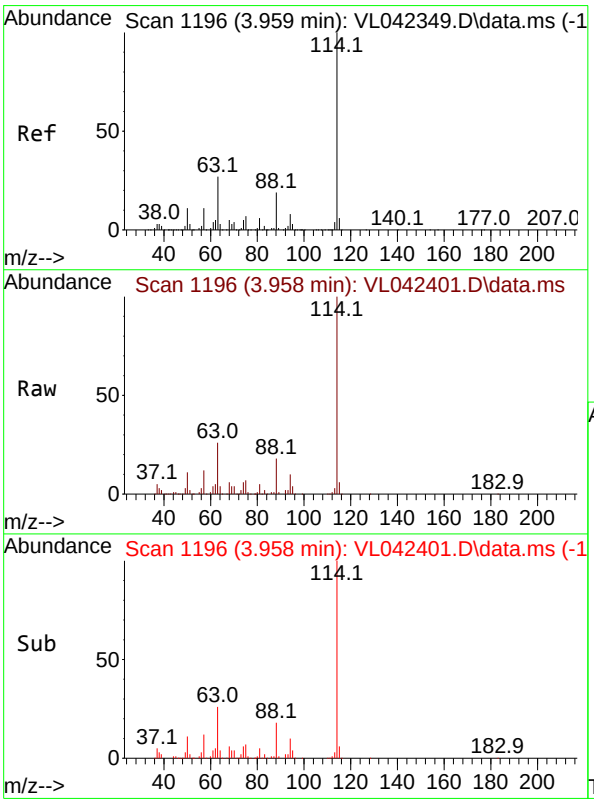
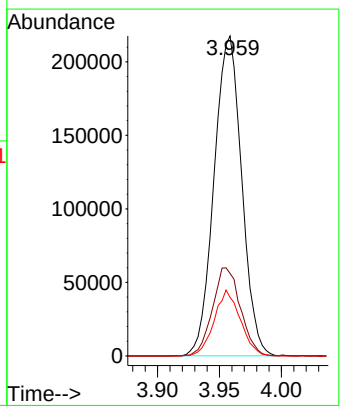


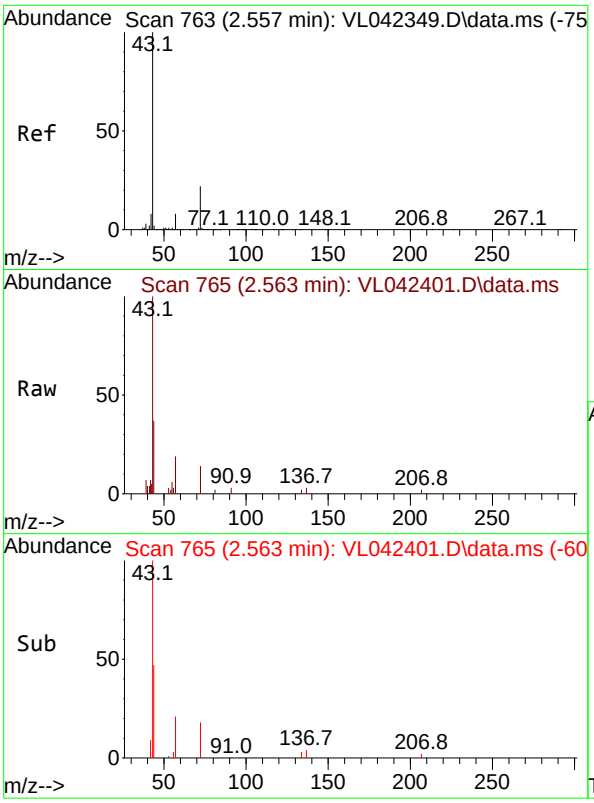


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.958 min Scan# 1196
Delta R.T. -0.000 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion:114 Resp: 337832

Ion	Ratio	Lower	Upper
114	100		
63	28.0	21.8	32.6
88	19.5	15.5	23.3





#34
2-Butanone
Concen: 0.129 ppbv
RT: 2.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 43 Resp: 344

Ion	Ratio	Lower	Upper
43	100		
72	33.6	18.2	27.2

Instrument :
MSVOA_L
ClientSampleId :
SS3

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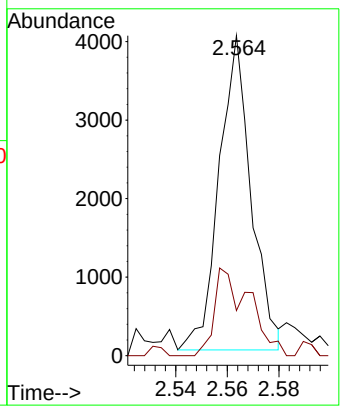
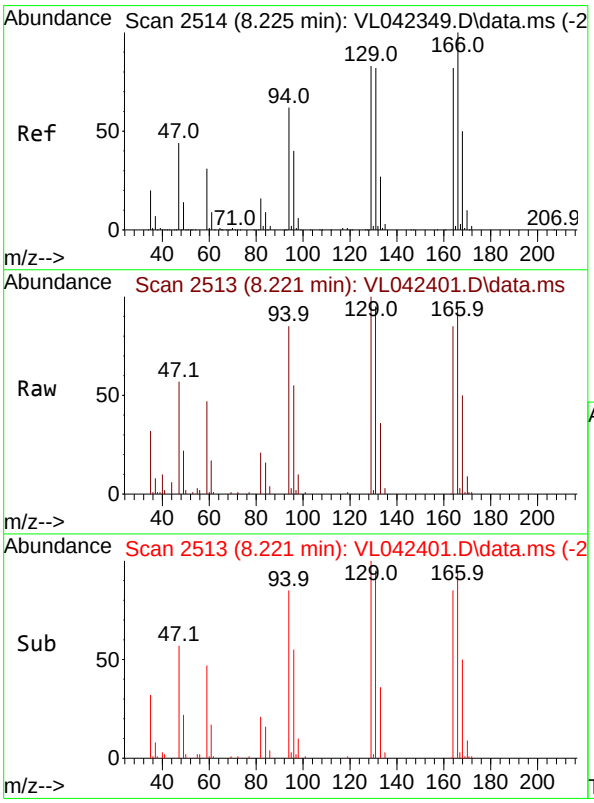
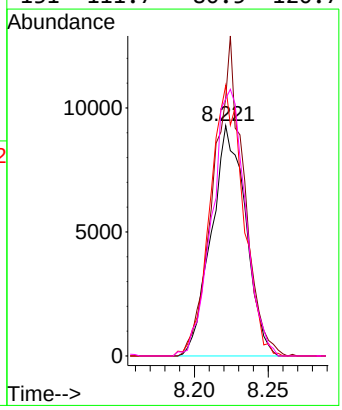


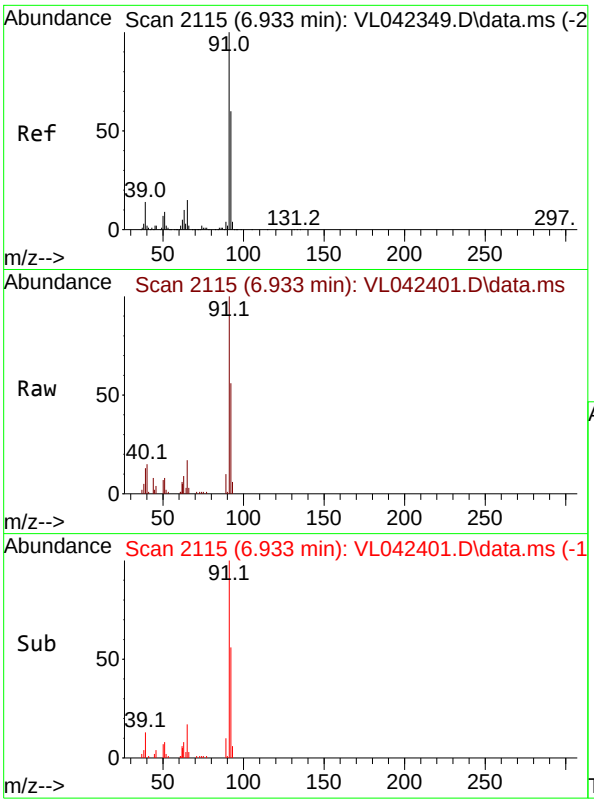


#52
Tetrachloroethene
Concen: 1.062 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion:164 Resp: 14958

Ion	Ratio	Lower	Upper
164	100		
166	112.0	98.2	147.2
129	116.3	81.8	122.8
131	111.7	80.5	120.7

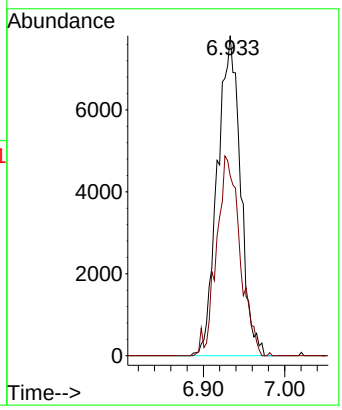




#53
Toluene
Concen: 0.350 ppbv m
RT: 6.933 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 91 Resp: 1531

Ion	Ratio	Lower	Upper
91	100		
92	63.6	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
SS3

Manual Integrations
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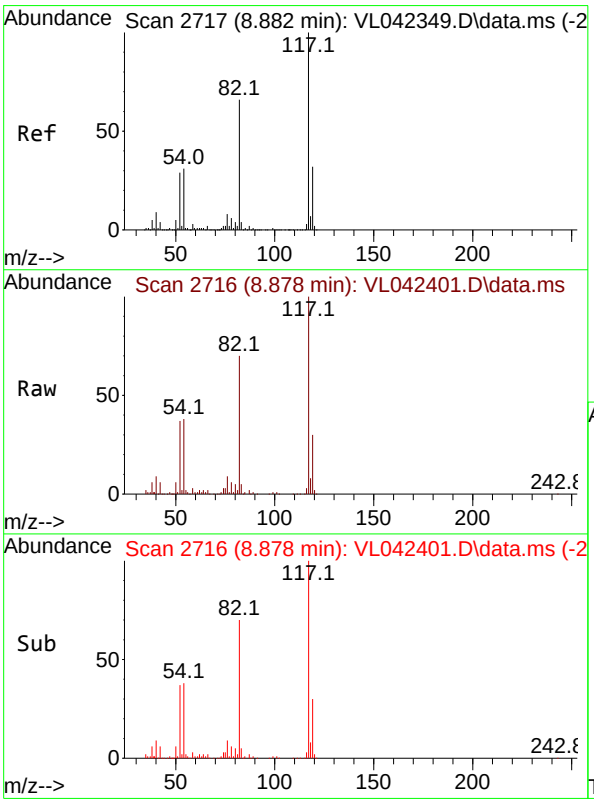
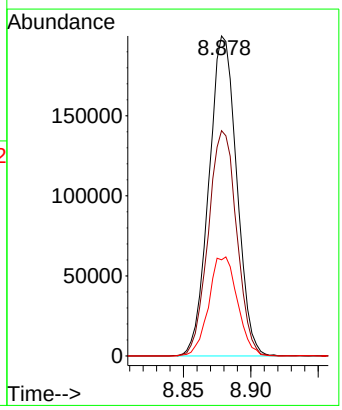
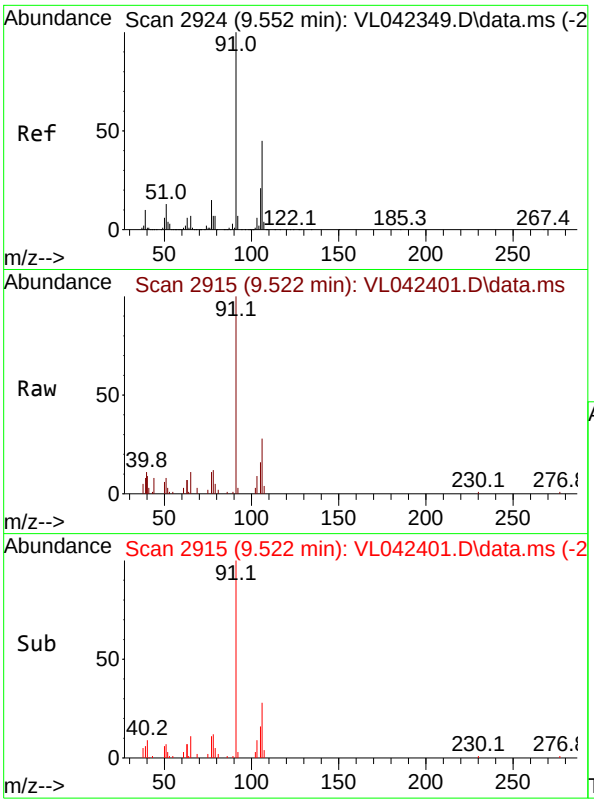


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion:117 Resp: 286610

Ion	Ratio	Lower	Upper
117	100		
82	71.9	57.8	86.6
119	32.0	25.2	37.8





#59
m/p-Xylene
Concen: 0.259 ppbv m
RT: 9.522 min Scan# 2
Delta R.T. -0.029 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 91 Resp: 1184

Ion	Ratio	Lower	Upper
91	100		
106	38.4	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
SS3

Manual Integrations
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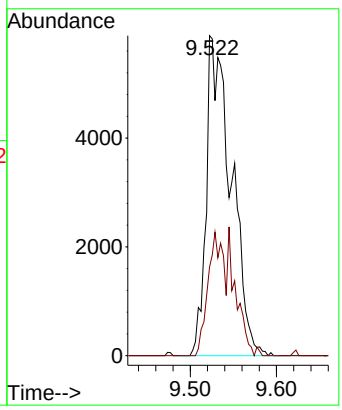
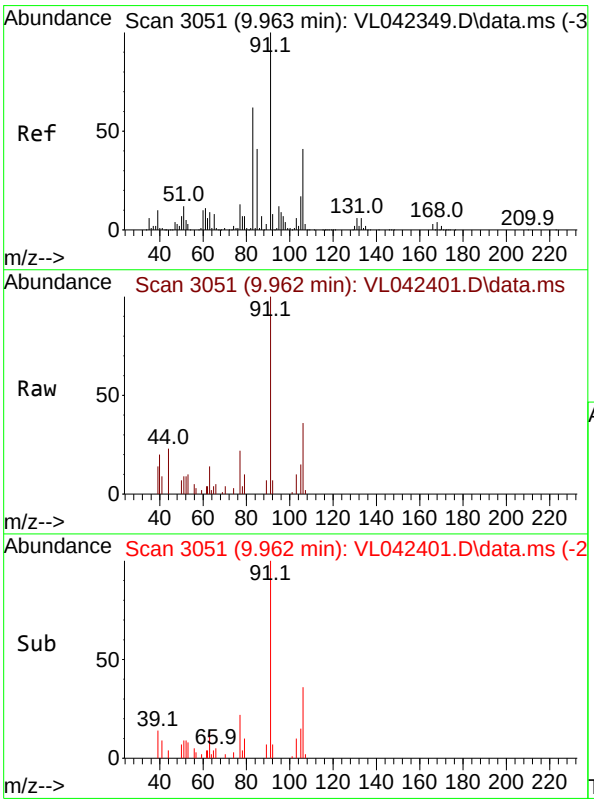
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

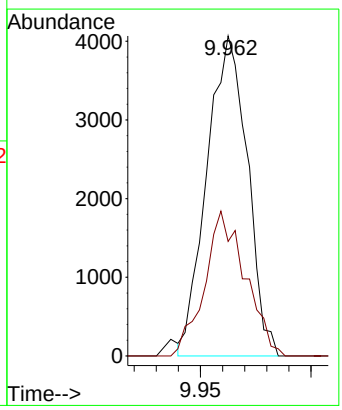


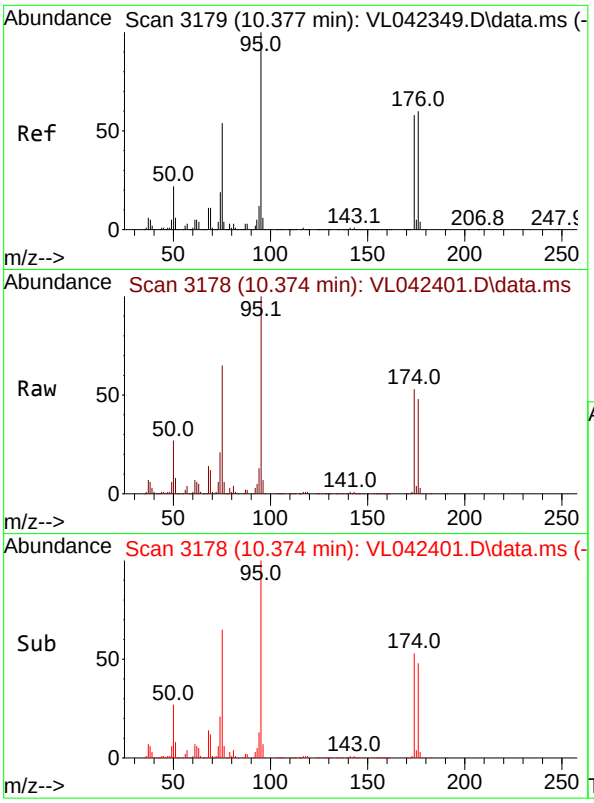


#60
o-Xylene
Concen: 0.112 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 91 Resp: 5177

Ion	Ratio	Lower	Upper
91	100		
106	45.5	21.1	63.4

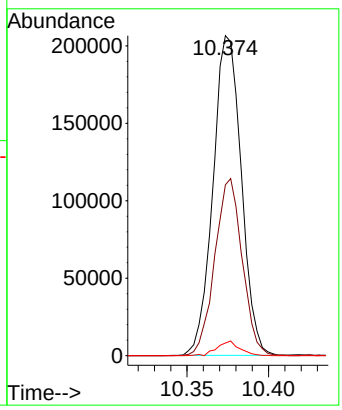




#68
1-Bromo-4-Fluorobenzene
Concen: 10.564 ppbv
RT: 10.374 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion: 95 Resp: 24881

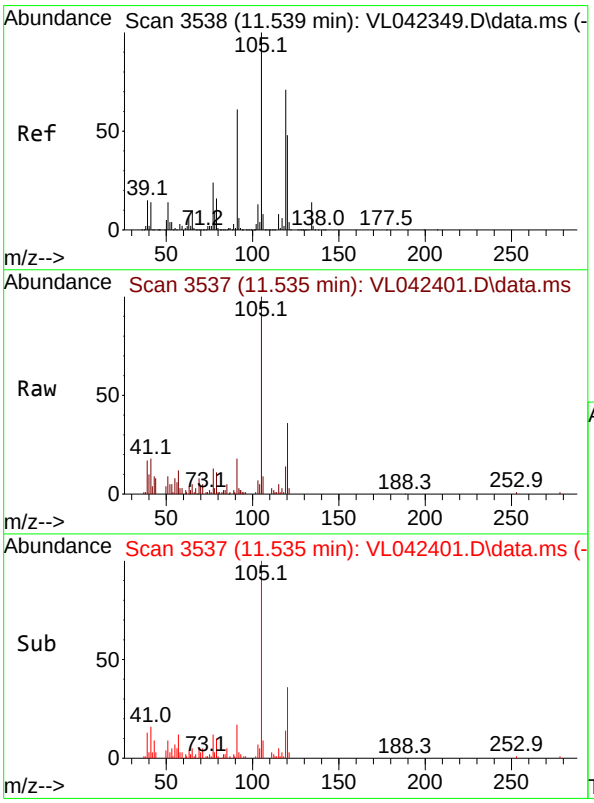
Ion	Ratio	Lower	Upper
95	100		
174	53.8	48.5	72.7
175	3.7	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
SS3

Manual Integrations
APPROVED

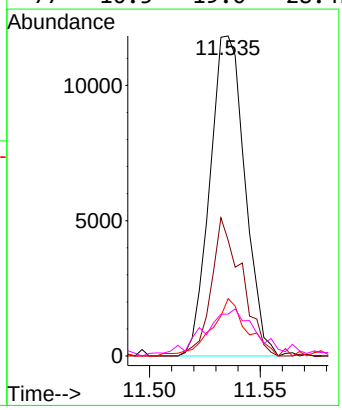
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.224 ppbv
RT: 11.535 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042401.D
Acq: 21 Apr 2025 12:51

Tgt Ion:105 Resp: 13013

Ion	Ratio	Lower	Upper
105	100		
120	36.1	38.1	57.1#
91	17.9	48.8	73.2#
77	10.5	19.0	28.4#



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1801 SAS No.: Q1801 SDG No.: Q1801

Instrument ID: MSVOA_L Calibration Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:44 12:54

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF010 = VL042349.D RRF002 = VL042350.D RRF001 = VL042351.D
RRF0.5 = VL042352.D RRF0.1 = VL042353.D RRF.03 = VL042354.D

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.658	1.827	1.837	1.831			1.767	5
Chloromethane	0.652	0.701	0.725	0.752			0.699	5.9
Vinyl Chloride	0.638	0.689	0.709	0.731	0.911	1.002	0.761	18.4
Bromomethane	0.304	0.300	0.330	0.397			0.327	12.6
Chloroethane	0.253	0.280	0.287	0.303			0.275	7.8
Tetrahydrofuran	0.409	0.468	0.480	0.518			0.461	9.2
Trichlorofluoromethane	1.567	1.746	1.806	1.684			1.680	6
1,1,2-Trichlorotrifluoroethane	1.281	1.437	1.439	1.389			1.374	5.1
Dichlorotetrafluoroethane	1.432	1.581	1.550	1.556			1.517	4.3
tert-Butyl alcohol	1.804	2.103	2.132	2.263			2.029	9.8
Heptane	1.884	2.209	2.296	2.444			2.153	11.1
1,1-Dichloroethene	0.583	0.637	0.635	0.735			0.642	8.8
Acetone	1.263	1.743	1.895	1.968			1.637	20
Carbon Disulfide	1.668	1.785	1.670	1.903			1.749	5.6
Methyl tert-Butyl Ether	0.940	1.132	1.141	1.134			1.070	8.6
Methylene Chloride	0.498	0.582	0.728	0.875			0.641	24.7
trans-1,2-Dichloroethene	0.664	0.736	0.759	0.814			0.731	8.3
1,1-Dichloroethane	1.284	1.383	1.469	1.452			1.388	5.4
Cyclohexane	1.252	1.347	1.333	1.422			1.320	5.5
2-Butanone	0.687	0.818	0.826	0.886			0.791	9.9
Carbon Tetrachloride	0.770	0.847	0.830	0.832	0.914	1.319	0.905	20.7
cis-1,2-Dichloroethene	1.459	1.593	1.603	1.588			1.553	3.9
Chloroform	2.145	2.392	2.333	2.458			2.309	5.5
1,1,1-Trichloroethane	2.274	2.493	2.549	2.557	2.840	3.110	2.599	11
2,2,4-Trimethylpentane	1.708	1.962	1.916	1.935			1.863	5.8
Benzene	1.002	1.121	1.075	1.146			1.079	5.3
1,2-Dichloroethane	0.592	0.666	0.647	0.691			0.647	5.6
Trichloroethene	0.395	0.447	0.448	0.443	0.505	0.643	0.471	17.6
1,2-Dichloropropane	0.370	0.405	0.413	0.441			0.402	7
Bromodichloromethane	0.852	0.912	0.909	0.943			0.901	3.7

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1801 SAS No.: Q1801 SDG No.: Q1801

Instrument ID: MSVOA_L Calibration Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:44 12:54

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF010 = VL042349.D RRF002 = VL042350.D RRF001 = VL042351.D
RRF0.5 = VL042352.D RRF0.1 = VL042353.D RRF.03 = VL042354.D

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
4-Methyl-2-Pentanone	1.082	1.435	1.382	1.541			1.314	15.1
Toluene	1.193	1.370	1.295	1.371			1.294	6
t-1,3-Dichloropropene	0.459	0.509	0.510	0.514			0.497	4.6
cis-1,3-Dichloropropene	0.570	0.637	0.617	0.613			0.608	4.1
1,1,2-Trichloroethane	0.376	0.420	0.429	0.423			0.410	5.3
Dibromochloromethane	0.679	0.746	0.721	0.743			0.723	3.7
1,2-Dibromoethane	0.539	0.606	0.605	0.582	0.621		0.586	5.3
Tetrachloroethene	0.357	0.391	0.393	0.420	0.452	0.543	0.417	15.5
Chlorobenzene	0.956	1.068	1.067	1.129			1.040	6.8
Ethyl Benzene	1.832	2.068	2.088	2.029			1.981	5.7
m/p-Xylene	1.456	1.658	1.682	1.685			1.596	6.9
o-Xylene	1.442	1.668	1.697	1.740			1.607	8.3
Styrene	0.726	0.808	0.776	0.792			0.767	4.7
Bromoform	0.616	0.675	0.623	0.622			0.633	3.8
1,1,2,2-Tetrachloroethane	0.873	0.968	0.985	0.990	1.176	1.407	1.042	18.1
2-Chlorotoluene	1.695	1.920	1.924	1.972			1.851	6.7
1,3,5-Trimethylbenzene	1.517	1.841	1.851	1.894			1.735	10.2
1,2,4-Trimethylbenzene	1.671	2.168	2.245	2.348			2.026	15.7
1,3-Dichlorobenzene	0.948	1.119	1.121	1.119			1.053	8.6
1,4-Dichlorobenzene	0.944	1.122	1.115	1.138			1.059	8.7
1,2-Dichlorobenzene	0.904	1.114	1.093	1.085			1.024	9.9
1,2,4-Trichlorobenzene	0.905	1.224	1.117	1.026			1.040	12.8
Hexachloro-1,3-Butadiene	0.863	1.135	1.136	1.163			1.034	14.7
1,3-Butadiene	0.651	0.735	0.836	1.015			0.783	18.9
Naphthalene	2.004	2.909	2.756	2.395	2.433		2.423	15.1
4-Ethyltoluene	1.765	2.054	2.118	2.055			1.965	7.9
1-Bromo-4-Fluorobenzene	0.831	0.822	0.818	0.824	0.814	0.819	0.822	0.7
Hexane	1.424	1.625	1.719	1.899			1.633	11.5
Allyl Chloride	0.973	1.110	1.213	1.276			1.130	10.4
1,4-Dioxane	181.866	232.301	242.757	262.618			220.893	16.3

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1801 SAS No.: Q1801 SDG No.: Q1801

Instrument ID: MSVOA_L Calibration Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:44 12:54

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF010 = VL042349.D RRF002 = VL042350.D RRF001 = VL042351.D
RRF0.5 = VL042352.D RRF0.1 = VL042353.D RRF.03 = VL042354.D

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
Methyl Methacrylate	0.430	0.495	0.520	0.545			0.486	10.2

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

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Apr 18 02:14:00 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042354.D 0.1 =VL042353.D 0.5 =VL042352.D 1 =VL042351.D 2 =VL042350.D 10 =VL042349.D 15 =VL042355.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.831	1.837	1.827	1.658	1.682	1.767	5.05
3)		Chlorodifluoro...			1.876	1.657	1.698	1.573	1.608	1.682	7.01
4)		Chloromethane			0.752	0.725	0.701	0.652	0.665	0.699	5.93
5)	T	Vinyl Chloride	1.002	0.911	0.731	0.709	0.689	0.638	0.647	0.761	18.39
6)	T	Bromomethane			0.397	0.330	0.300	0.304	0.303	0.327	12.56
7)		Chloroethane			0.303	0.287	0.280	0.253	0.255	0.275	7.76
8)	T	Dichlorotetraf...			1.556	1.550	1.581	1.432	1.465	1.517	4.25
9)	T	Propene			0.880	0.797	0.758	0.690	0.707	0.766	9.95
10)	T	Heptane			2.444	2.296	2.209	1.884	1.931	2.153	11.14
11)	T	Trichlorofluor...			1.684	1.806	1.746	1.567	1.597	1.680	5.95
12)	T	1,1,2-Trichlor...			1.389	1.439	1.437	1.281	1.323	1.374	5.11
13)		Ethanol			0.275	0.139	0.123	0.035	0.036	0.122	80.54
14)	T	Bromoethene			0.537	0.545	0.530	0.490	0.487	0.518	5.24
15)	T	Acetone			1.968	1.895	1.743	1.263	1.316	1.637	20.03
16)	T	1,3-Butadiene			1.015	0.836	0.735	0.651	0.678	0.783	18.90
17)		tert-Butyl alc...			2.263	2.132	2.103	1.804	1.841	2.029	9.76
18)	T	1,1-Dichloroet...			0.735	0.635	0.637	0.583	0.618	0.642	8.79
19)	T	Isopropyl Alcohol			1.050	0.980	0.897	0.821	0.798	0.909	11.66
20)	T	Methylene Chlo...			0.875	0.728	0.582	0.498	0.523	0.641	24.71
21)	T	Allyl Chloride			1.276	1.213	1.110	0.973	1.080	1.130	10.44
22)	T	trans-1,2-Dich...			0.814	0.759	0.736	0.664	0.681	0.731	8.32
23)	T	Vinyl Acetate			0.656	0.744	0.749	0.555	0.610	0.663	12.72
24)	T	1,1-Dichloroet...			1.452	1.469	1.383	1.284	1.352	1.388	5.43
25)	T	Ethyl Acetate			4.428	4.147	4.118	3.677	3.812	4.036	7.34
26)	T	Hexane			1.899	1.719	1.625	1.424	1.499	1.633	11.45
27)	T	Carbon Disulfide			1.903	1.670	1.785	1.668	1.718	1.749	5.63
28)	T	Methyl tert-Bu...			1.134	1.141	1.132	0.940	1.004	1.070	8.64
29)	T	Chloroform			2.458	2.333	2.392	2.145	2.215	2.309	5.54
30)	T	Cyclohexane			1.422	1.333	1.347	1.252	1.249	1.320	5.50
31)	T	cis-1,2-Dichlo...			1.588	1.603	1.593	1.459	1.522	1.553	3.95
32)	T	1,1,1-Trichlor...	3.110	2.840	2.557	2.549	2.493	2.274	2.369	2.599	11.03
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.886	0.826	0.818	0.687	0.737	0.791	9.94
35)	T	Carbon Tetrach...	1.319	0.914	0.832	0.830	0.847	0.770	0.823	0.905	20.70
36)	T	Benzene			1.146	1.075	1.121	1.002	1.048	1.079	5.31
37)	T	1,2-Dichloroet...			0.691	0.647	0.666	0.592	0.641	0.647	5.63
38)	T	Trichloroethene	0.643	0.505	0.443	0.448	0.447	0.395	0.419	0.471	17.59
39)	T	1,2-Dichloropr...			0.441	0.413	0.405	0.370	0.381	0.402	6.97

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL041725AIR.M

40)	T	1,4-Dioxane		0.263	0.243	0.232	0.182	0.185	0.221	16.27
41)	T	Tetrahydrofuran		0.518	0.480	0.468	0.409	0.432	0.461	9.20
42)	T	Bromodichlorom...		0.943	0.909	0.912	0.852	0.889	0.901	3.71
43)		Methyl Methacr...		0.545	0.520	0.495	0.430	0.441	0.486	10.21
44)	T	2,2,4-Trimethy...		1.935	1.916	1.962	1.708	1.794	1.863	5.79
45)	T	t-1,3-Dichloro...		0.514	0.510	0.509	0.459	0.491	0.497	4.60
46)	T	cis-1,3-Dichlo...		0.613	0.617	0.637	0.570	0.603	0.608	4.05
47)	T	1,1,2-Trichlor...		0.423	0.429	0.420	0.376	0.399	0.410	5.32
48)	T	Dibromochlorom...		0.743	0.721	0.746	0.679	0.729	0.723	3.70
49)	T	Bromoform		0.622	0.623	0.675	0.616	0.627	0.633	3.82
50)	T	4-Methyl-2-Pen...		1.541	1.382	1.435	1.082	1.132	1.314	15.12
51)	T	2-Hexanone		1.341	1.311	1.411	0.893	0.938	1.179	20.69
52)	T	Tetrachloroethene	0.543	0.452	0.420	0.393	0.391	0.357	0.363	0.417	15.46
53)	T	Toluene		1.371	1.295	1.370	1.193	1.244	1.294	6.03
54)	T	1,2-Dibromoethane	0.621	0.582	0.605	0.606	0.539	0.562	0.586	5.27
55)	I	Chlorobenzene-d5	----------ISTD----------							
56)		1,1,1,2-Tetrac...		0.621	0.640	0.635	0.550	0.581	0.605	6.37
57)	T	Chlorobenzene		1.129	1.067	1.068	0.956	0.981	1.040	6.79
58)	T	Ethyl Benzene		2.029	2.088	2.068	1.832	1.890	1.981	5.73
59)	T	m/p-Xylene		1.685	1.682	1.658	1.456	1.500	1.596	6.86
60)	T	o-Xylene		1.740	1.697	1.668	1.442	1.490	1.607	8.25
61)	T	Styrene		0.792	0.776	0.808	0.726	0.734	0.767	4.68
62)		Isopropylbenzene		2.517	2.470	2.439	2.170	2.202	2.360	6.83
63)	T	1,1,2,2-Tetrac...	1.407	1.176	0.990	0.985	0.968	0.873	0.892	1.042	18.12
64)		n-propylbenzene		0.645	0.605	0.610	0.542	0.564	0.593	6.81
65)		tert-Butylbenzene		2.319	2.358	2.315	1.907	1.945	2.169	10.27
66)	T	Benzyl Chloride		0.241	0.239	0.258	0.246	0.208	0.238	7.84
67)		sec-Butylbenzene		3.242	3.219	3.253	2.662	2.709	3.017	10.05
68)	S	1-Bromo-4-Fluo...	0.819	0.814	0.824	0.818	0.822	0.831	0.825	0.822	0.69
69)		p-Isopropyltol...		2.834	2.818	2.811	2.304	2.338	2.621	10.46
70)		n-Butylbenzene		2.985	2.926	2.953	2.370	2.414	2.730	11.33
71)		2-Chlorotoluene		1.972	1.924	1.920	1.695	1.744	1.851	6.65
72)	T	4-Ethyltoluene		2.055	2.118	2.054	1.765	1.833	1.965	7.92
73)	T	1,3,5-Trimethy...		1.894	1.851	1.841	1.517	1.570	1.735	10.19
74)	T	1,2,4-Trimethy...		2.348	2.245	2.168	1.671	1.698	2.026	15.71
75)	T	1,3-Dichlorobe...		1.119	1.121	1.119	0.948	0.960	1.053	8.64
76)	T	1,4-Dichlorobe...		1.138	1.115	1.122	0.944	0.974	1.059	8.69
77)	T	1,2-Dichlorobe...		1.085	1.093	1.114	0.904	0.924	1.024	9.88
78)	T	Hexachloro-1,3...		1.163	1.136	1.135	0.863	0.874	1.034	14.66
79)	T	Naphthalene	2.433	2.395	2.756	2.909	2.004	2.040	2.423	15.11
80)	T	Naphthalene,2-...		1.311	1.534	1.777	1.115	1.168	1.381	19.88
81)	T	1,2,4-Trichlor...		1.026	1.117	1.224	0.905	0.929	1.040	12.75

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042349.D
Acq On : 17 Apr 2025 09:44
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	125455	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	366544	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	338126	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	281013	10.114	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	207962	9.382	ppbv	100
3) Chlorodifluoromethane	1.476	51	197334	9.350	ppbv	100
4) Chloromethane	1.531	50	81843	9.330	ppbv	100
5) Vinyl Chloride	1.580	62	80068	8.385	ppbv	100
6) Bromomethane	1.667	94	38128	9.219	ppbv	100
7) Chloroethane	1.703	64	31705	9.182	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	179696	9.442	ppbv	100
9) Propene	1.483	41	86530	9.002	ppbv	100
10) Heptane	4.978	43	236341	9.138	ppbv	100
11) Trichlorofluoromethane	1.877	101	196596	9.327	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.136	101	160682	9.323	ppbv	100
13) Ethanol	1.719	45	4439	5.651	ppbv	100
14) Bromoethene	1.780	108	61493	9.466	ppbv	100
15) Acetone	1.835	43	158490	7.717	ppbv	100
16) 1,3-Butadiene	1.609	39	81688	8.470	ppbv	100
17) tert-Butyl alcohol	2.039	59	226280	8.891	ppbv	100
18) 1,1-Dichloroethene	2.033	96	73186	8.833	ppbv	100
19) Isopropyl Alcohol	1.884	45	103029	9.031	ppbv	100
20) Methylene Chloride	2.062	84	62414	7.760	ppbv	100
21) Allyl Chloride	2.094	41	122115	8.611	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	83278	9.084	ppbv	100
23) Vinyl Acetate	2.460	43	69649	8.378	ppbv	100
24) 1,1-Dichloroethane	2.408	63	161102	9.251	ppbv	100
25) Ethyl Acetate	2.836	43	461315	9.110	ppbv	100
26) Hexane	2.826	57	178691	8.720	ppbv	100
27) Carbon Disulfide	2.149	76	209297	9.539	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	117924	8.783	ppbv	100
29) Chloroform	2.848	83	269088	9.290	ppbv	100
30) Cyclohexane	3.855	84	157035	9.517	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	183082	9.397	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	285336	9.187	ppbv	100
34) 2-Butanone	2.557	43	251704	8.683	ppbv	100
35) Carbon Tetrachloride	3.761	117	282402	8.513	ppbv	100
36) Benzene	3.654	78	367355	9.292	ppbv	100
37) 1,2-Dichloroethane	3.217	62	216999	9.145	ppbv	100
38) Trichloroethene	4.548	130	144767	8.352	ppbv	100
39) 1,2-Dichloropropane	4.311	63	135605	9.197	ppbv	100
40) 1,4-Dioxane	4.580	88	66662	8.348	ppbv #	100
41) Tetrahydrofuran	3.052	42	149905	8.950	ppbv	100
42) Bromodichloromethane	4.489	83	312268	9.456	ppbv	100
43) Methyl Methacrylate	4.881	69	157501	8.876	ppbv	100
44) 2,2,4-Trimethylpentane	4.642	57	626085	9.157	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	168223	9.233	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042349.D
Acq On : 17 Apr 2025 09:44
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	cis-1,3-Dichloropropene	5.600	75	208811	9.377	ppbv	100
47)	1,1,2-Trichloroethane	6.580	97	137898	9.181	ppbv	100
48)	Dibromochloromethane	7.386	129	248954	9.388	ppbv	100
49)	Bromoform	9.480	173	225706	9.734	ppbv	100
50)	4-Methyl-2-Pentanone	5.752	43	396548	8.215	ppbv	100
51)	2-Hexanone	7.435	43	327165	7.511	ppbv	100
52)	Tetrachloroethene	8.225	164	130720	8.553	ppbv	100
53)	Toluene	6.933	91	437258	9.216	ppbv	100
54)	1,2-Dibromoethane	7.652	107	197665	9.235	ppbv	100
56)	1,1,1,2-Tetrachloroethane	8.927	131	186041	9.091	ppbv	100
57)	Chlorobenzene	8.920	112	323084	9.187	ppbv	100
58)	Ethyl Benzene	9.354	91	619581	9.248	ppbv	100
59)	m/p-Xylene	9.552	91	984458m	18.187	ppbv	
60)	o-Xylene	9.963	91	487616	8.972	ppbv	100
61)	Styrene	9.869	104	245487	9.464	ppbv	100
62)	Isopropylbenzene	10.539	105	733788	9.197	ppbv	100
63)	1,1,2,2-Tetrachloroethane	9.963	83	295041	8.355	ppbv	100
64)	n-propylbenzene	10.989	120	183390	9.144	ppbv	100
65)	tert-Butylbenzene	11.532	119	644953	8.795	ppbv	100
66)	Benzyl Chloride	11.617	91	83269	10.333	ppbv	100
67)	sec-Butylbenzene	11.769	105	900074	8.824	ppbv	100
69)	p-Isopropyltoluene	11.927	119	778987	8.790	ppbv	100
70)	n-Butylbenzene	12.283	91	801364	8.682	ppbv	100
71)	2-Chlorotoluene	10.901	91	573039	9.157	ppbv	100
72)	4-Ethyltoluene	11.125	105	596757	8.982	ppbv	100
73)	1,3,5-Trimethylbenzene	11.205	105	512855	8.743	ppbv	100
74)	1,2,4-Trimethylbenzene	11.539	105	565064	8.248	ppbv	100
75)	1,3-Dichlorobenzene	11.607	146	320380	8.997	ppbv	100
76)	1,4-Dichlorobenzene	11.672	146	319089	8.915	ppbv	100
77)	1,2-Dichlorobenzene	11.947	146	305822	8.832	ppbv	100
78)	Hexachloro-1,3-Butadiene	13.882	225	291833	8.346	ppbv	100
79)	Naphthalene	13.513	128	677578	8.271	ppbv	100
80)	Naphthalene,2-methyl-	14.458	142	376995	8.074	ppbv	100
81)	1,2,4-Trichlorobenzene	13.442	180	306119	8.702	ppbv	100

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

Quantitation Report (QT Reviewed)

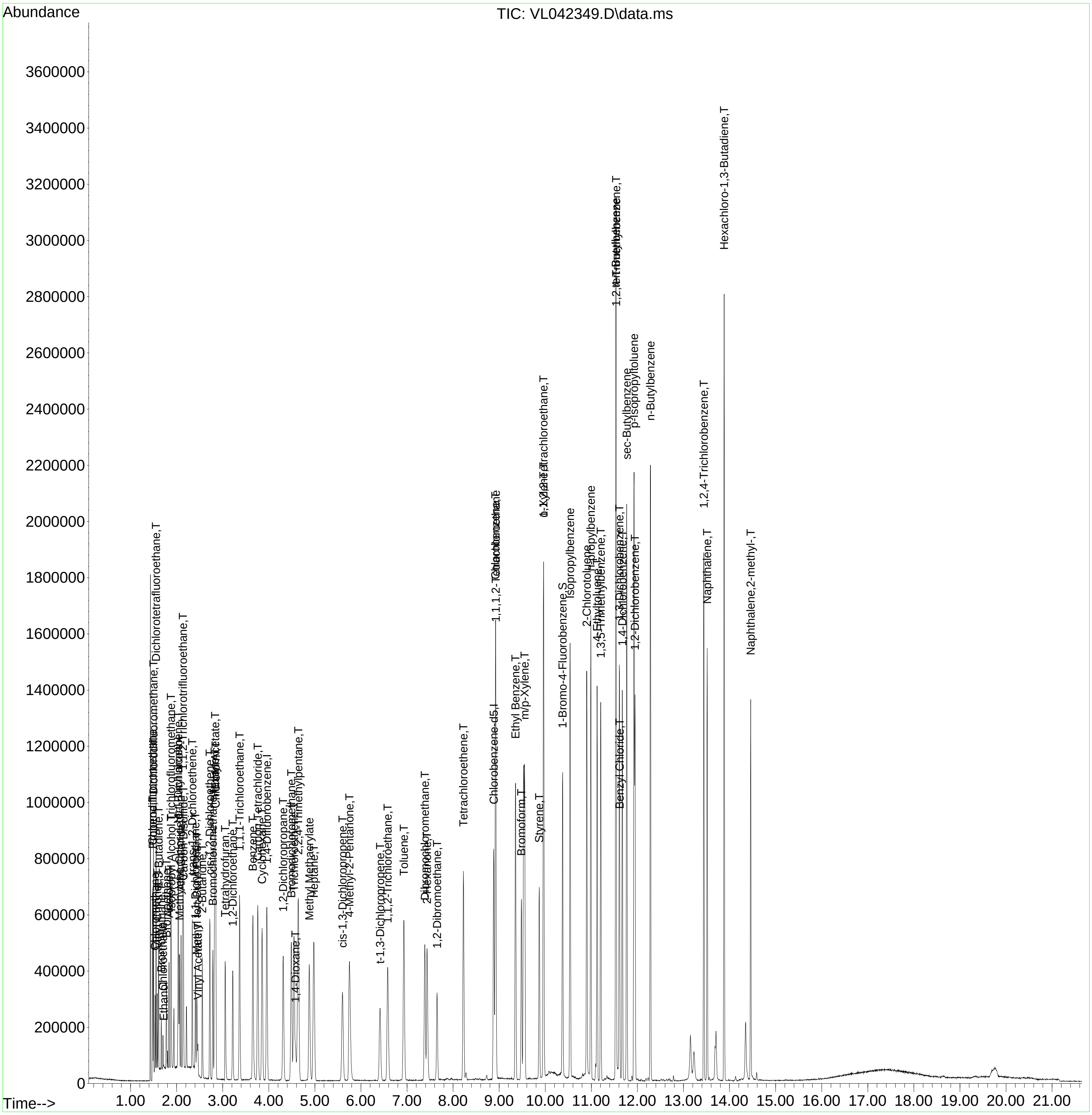
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042349.D
Acq On : 17 Apr 2025 09:44
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042350.D
Acq On : 17 Apr 2025 10:17
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	123206	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	355918	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	335603	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	275715	9.998	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	45008	2.068	ppbv		95
3) Chlorodifluoromethane	1.476	51	41853	2.019	ppbv		97
4) Chloromethane	1.534	50	17272	2.005	ppbv		93
5) Vinyl Chloride	1.580	62	16979	1.811	ppbv		92
6) Bromomethane	1.667	94	7398	1.821	ppbv	#	80
7) Chloroethane	1.706	64	6889	2.031	ppbv		98
8) Dichlorotetrafluoroethane	1.554	85	38955	2.084	ppbv		98
9) Propene	1.483	41	18671	1.978	ppbv		97
10) Heptane	4.978	43	54438m	2.143	ppbv		
11) Trichlorofluoromethane	1.877	101	43035	2.079	ppbv		99
12) 1,1,2-Trichlorotrifluo...	2.140	101	35415	2.092	ppbv		100
13) Ethanol	1.722	45	3034m	3.933	ppbv		
14) Bromoethene	1.780	108	13049	2.045	ppbv	#	92
15) Acetone	1.835	43	42949	2.129	ppbv		93
16) 1,3-Butadiene	1.609	39	18110	1.912	ppbv		96
17) tert-Butyl alcohol	2.042	59	51829	2.074	ppbv	#	94
18) 1,1-Dichloroethene	2.036	96	15690	1.928	ppbv		87
19) Isopropyl Alcohol	1.887	45	22106	1.973	ppbv	#	38
20) Methylene Chloride	2.062	84	14329	1.814	ppbv	#	82
21) Allyl Chloride	2.098	41	27340	1.963	ppbv		95
22) trans-1,2-Dichloroethene	2.340	96	18142	2.015	ppbv		97
23) Vinyl Acetate	2.463	43	18454	2.260	ppbv	#	91
24) 1,1-Dichloroethane	2.411	63	34077	1.993	ppbv		96
25) Ethyl Acetate	2.835	43	101467	2.040	ppbv		99
26) Hexane	2.826	57	40046	1.990	ppbv		99
27) Carbon Disulfide	2.149	76	43975	2.041	ppbv	#	64
28) Methyl tert-Butyl Ether	2.441	73	27905	2.116	ppbv		97
29) Chloroform	2.848	83	58946	2.072	ppbv		100
30) Cyclohexane	3.858	84	33195	2.048	ppbv		94
31) cis-1,2-Dichloroethene	2.722	61	39249	2.051	ppbv		98
32) 1,1,1-Trichloroethane	3.366	97	61442	2.014	ppbv		99
34) 2-Butanone	2.560	43	58249	2.069	ppbv		100
35) Carbon Tetrachloride	3.761	117	60291	1.872	ppbv		88
36) Benzene	3.658	78	79814	2.079	ppbv		98
37) 1,2-Dichloroethane	3.217	62	47398	2.057	ppbv		100
38) Trichloroethene	4.544	130	31826m	1.891	ppbv		
39) 1,2-Dichloropropane	4.315	63	28806	2.012	ppbv		96
40) 1,4-Dioxane	4.593	88	16536m	2.133	ppbv		
41) Tetrahydrofuran	3.059	42	33298	2.047	ppbv		98
42) Bromodichloromethane	4.489	83	64941	2.025	ppbv		97
43) Methyl Methacrylate	4.881	69	35256	2.046	ppbv		97
44) 2,2,4-Trimethylpentane	4.645	57	139641	2.103	ppbv		99
45) t-1,3-Dichloropropene	6.415	75	36265	2.050	ppbv		94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042350.D
Acq On : 17 Apr 2025 10:17
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	45327m	2.096	ppbv	
47) 1,1,2-Trichloroethane	6.590	97	29879	2.049	ppbv	88
48) Dibromochloromethane	7.389	129	53069	2.061	ppbv	100
49) Bromoform	9.483	173	48069	2.135	ppbv	97
50) 4-Methyl-2-Pentanone	5.758	43	102182	2.180	ppbv	99
51) 2-Hexanone	7.441	43	100443	2.375	ppbv	98
52) Tetrachloroethene	8.228	164	27854	1.877	ppbv	96
53) Toluene	6.933	91	97493	2.116	ppbv	98
54) 1,2-Dibromoethane	7.655	107	43153	2.076	ppbv	87
56) 1,1,1,2-Tetrachloroethane	8.924	131	42601	2.097	ppbv	95
57) Chlorobenzene	8.924	112	71685	2.054	ppbv	98
58) Ethyl Benzene	9.357	91	138810	2.088	ppbv	98
59) m/p-Xylene	9.532	91	222542m	4.142	ppbv	
60) o-Xylene	9.963	91	111972	2.076	ppbv	98
61) Styrene	9.872	104	54229	2.106	ppbv	98
62) Isopropylbenzene	10.539	105	163716	2.067	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	64952	1.853	ppbv	99
64) n-propylbenzene	10.989	120	40956	2.058	ppbv	96
65) tert-Butylbenzene	11.532	119	155401	2.135	ppbv	92
66) Benzyl Chloride	11.616	91	17300	2.163	ppbv	98
67) sec-Butylbenzene	11.769	105	218327	2.156	ppbv	100
69) p-Isopropyltoluene	11.927	119	188657	2.145	ppbv	99
70) n-Butylbenzene	12.283	91	198221	2.164	ppbv	99
71) 2-Chlorotoluene	10.901	91	128858	2.075	ppbv	98
72) 4-Ethyltoluene	11.124	105	137872	2.091	ppbv	97
73) 1,3,5-Trimethylbenzene	11.205	105	123580	2.123	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	145510	2.140	ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	75082	2.124	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	75323	2.120	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	74786	2.176	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	76158	2.194	ppbv	100
79) Naphthalene	13.513	128	195233	2.401	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	119262	2.574	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	82156	2.353	ppbv	99

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

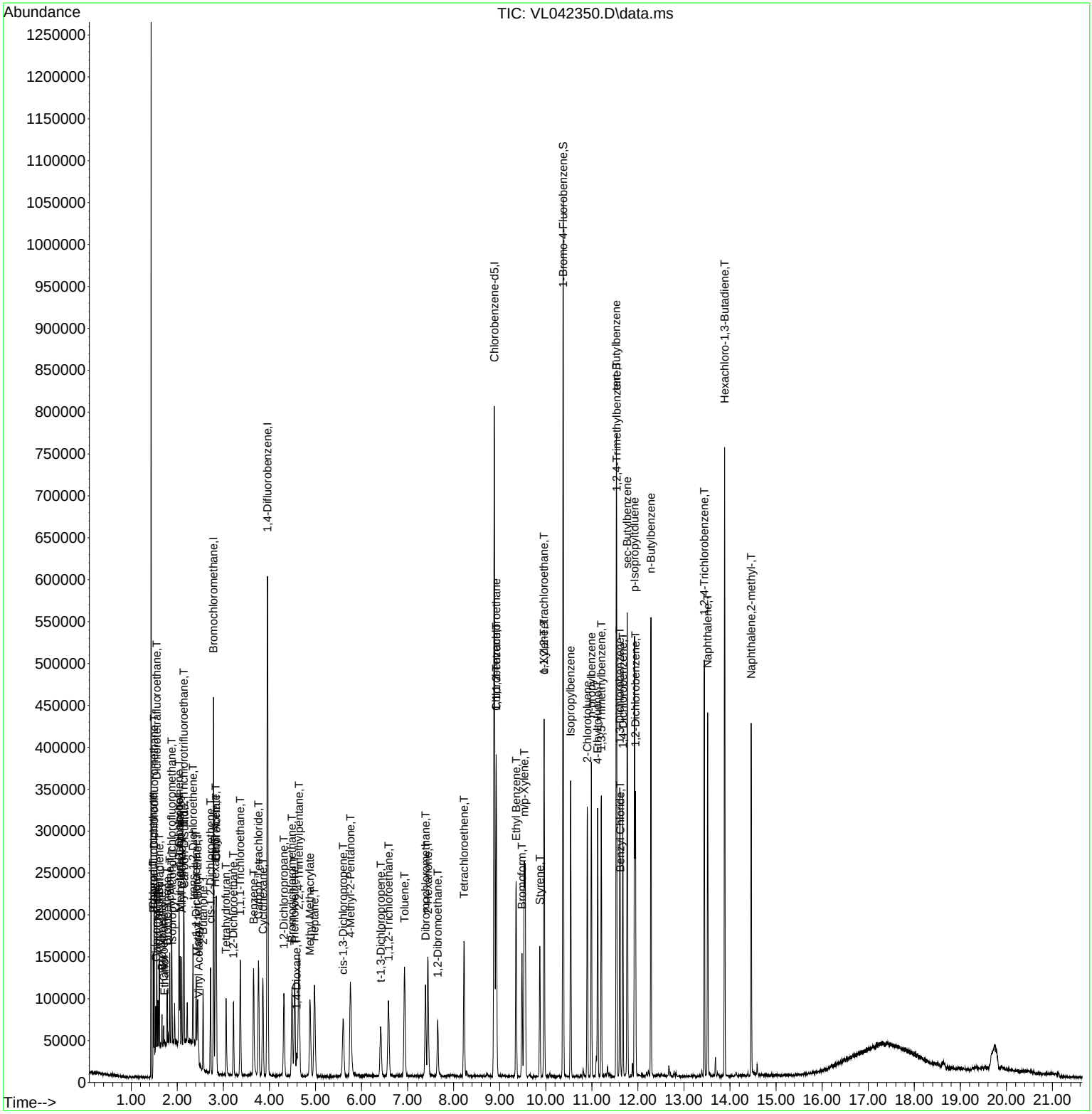
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042350.D
Acq On : 17 Apr 2025 10:17
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042351.D
Acq On : 17 Apr 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	124177	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	359907	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	329090	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	269087	9.950	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	22816	1.040	ppbv	93
3) Chlorodifluoromethane	1.476	51	20573	0.985	ppbv	97
4) Chloromethane	1.535	50	9008	1.038	ppbv	99
5) Vinyl Chloride	1.580	62	8807	0.932	ppbv	98
6) Bromomethane	1.671	94	4099	1.001	ppbv	91
7) Chloroethane	1.706	64	3559	1.041	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	19251	1.022	ppbv	100
9) Propene	1.486	41	9892	1.040	ppbv	92
10) Heptane	4.982	43	28507m	1.114	ppbv	
11) Trichlorofluoromethane	1.878	101	22428	1.075	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	17865	1.047	ppbv	98
13) Ethanol	1.722	45	1730m	2.225	ppbv	
14) Bromoethene	1.784	108	6766	1.052	ppbv #	89
15) Acetone	1.839	43	23537	1.158	ppbv	97
16) 1,3-Butadiene	1.609	39	10377m	1.087	ppbv	
17) tert-Butyl alcohol	2.043	59	26477	1.051	ppbv #	90
18) 1,1-Dichloroethene	2.036	96	7890	0.962	ppbv	94
19) Isopropyl Alcohol	1.888	45	12175	1.078	ppbv #	39
20) Methylene Chloride	2.062	84	9046	1.136	ppbv	87
21) Allyl Chloride	2.098	41	15057	1.073	ppbv	91
22) trans-1,2-Dichloroethene	2.344	96	9421	1.038	ppbv	96
23) Vinyl Acetate	2.467	43	9234	1.122	ppbv #	90
24) 1,1-Dichloroethane	2.409	63	18236	1.058	ppbv	99
25) Ethyl Acetate	2.842	43	51494	1.027	ppbv #	97
26) Hexane	2.826	57	21350	1.053	ppbv	95
27) Carbon Disulfide	2.153	76	20739	0.955	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	14164	1.066	ppbv #	85
29) Chloroform	2.852	83	28973	1.011	ppbv	100
30) Cyclohexane	3.862	84	16547m	1.013	ppbv	
31) cis-1,2-Dichloroethene	2.723	61	19904	1.032	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	31653	1.030	ppbv	98
34) 2-Butanone	2.564	43	29735	1.045	ppbv	99
35) Carbon Tetrachloride	3.768	117	29875	0.917	ppbv	94
36) Benzene	3.661	78	38707	0.997	ppbv	95
37) 1,2-Dichloroethane	3.224	62	23284	0.999	ppbv	97
38) Trichloroethene	4.551	130	16119	0.947	ppbv	96
39) 1,2-Dichloropropane	4.318	63	14866	1.027	ppbv	96
40) 1,4-Dioxane	4.597	88	8737m	1.114	ppbv	
41) Tetrahydrofuran	3.062	42	17259	1.049	ppbv	96
42) Bromodichloromethane	4.490	83	32721	1.009	ppbv #	98
43) Methyl Methacrylate	4.885	69	18699m	1.073	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	68946m	1.027	ppbv	
45) t-1,3-Dichloropropene	6.416	75	18347m	1.026	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042351.D
Acq On : 17 Apr 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	22189m	1.015	ppbv		
47) 1,1,2-Trichloroethane	6.587	97	15457m	1.048	ppbv		
48) Dibromochloromethane	7.390	129	25948	0.997	ppbv		100
49) Bromoform	9.484	173	22413	0.984	ppbv		98
50) 4-Methyl-2-Pentanone	5.765	43	49725	1.049	ppbv		97
51) 2-Hexanone	7.445	43	47178	1.103	ppbv		99
52) Tetrachloroethene	8.228	164	14154	0.943	ppbv		93
53) Toluene	6.940	91	46611	1.001	ppbv		100
54) 1,2-Dibromoethane	7.658	107	21780	1.036	ppbv		93
56) 1,1,1,2-Tetrachloroethane	8.927	131	21052	1.057	ppbv		95
57) Chlorobenzene	8.921	112	35113	1.026	ppbv	#	95
58) Ethyl Benzene	9.354	91	68703	1.054	ppbv		96
59) m/p-Xylene	9.552	91	110702m	2.101	ppbv		
60) o-Xylene	9.966	91	55831	1.056	ppbv		99
61) Styrene	9.872	104	25544	1.012	ppbv		100
62) Isopropylbenzene	10.542	105	81286	1.047	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.966	83	32410	0.943	ppbv		99
64) n-propylbenzene	10.989	120	19898	1.019	ppbv		90
65) tert-Butylbenzene	11.533	119	77598	1.087	ppbv		92
66) Benzyl Chloride	11.617	91	7864	1.003	ppbv	#	91
67) sec-Butylbenzene	11.769	105	105919	1.067	ppbv		97
69) p-Isopropyltoluene	11.928	119	92733	1.075	ppbv		97
70) n-Butylbenzene	12.284	91	96306	1.072	ppbv		99
71) 2-Chlorotoluene	10.905	91	63321	1.040	ppbv		99
72) 4-Ethyltoluene	11.128	105	69698	1.078	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	60927	1.067	ppbv		99
74) 1,2,4-Trimethylbenzene	11.539	105	73888	1.108	ppbv		95
75) 1,3-Dichlorobenzene	11.610	146	36877	1.064	ppbv		98
76) 1,4-Dichlorobenzene	11.675	146	36692	1.053	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	35977	1.068	ppbv		97
78) Hexachloro-1,3-Butadiene	13.886	225	37377	1.098	ppbv		99
79) Naphthalene	13.517	128	90710	1.138	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	50487	1.111	ppbv		98
81) 1,2,4-Trichlorobenzene	13.442	180	36764	1.074	ppbv		99

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

Quantitation Report (QT Reviewed)

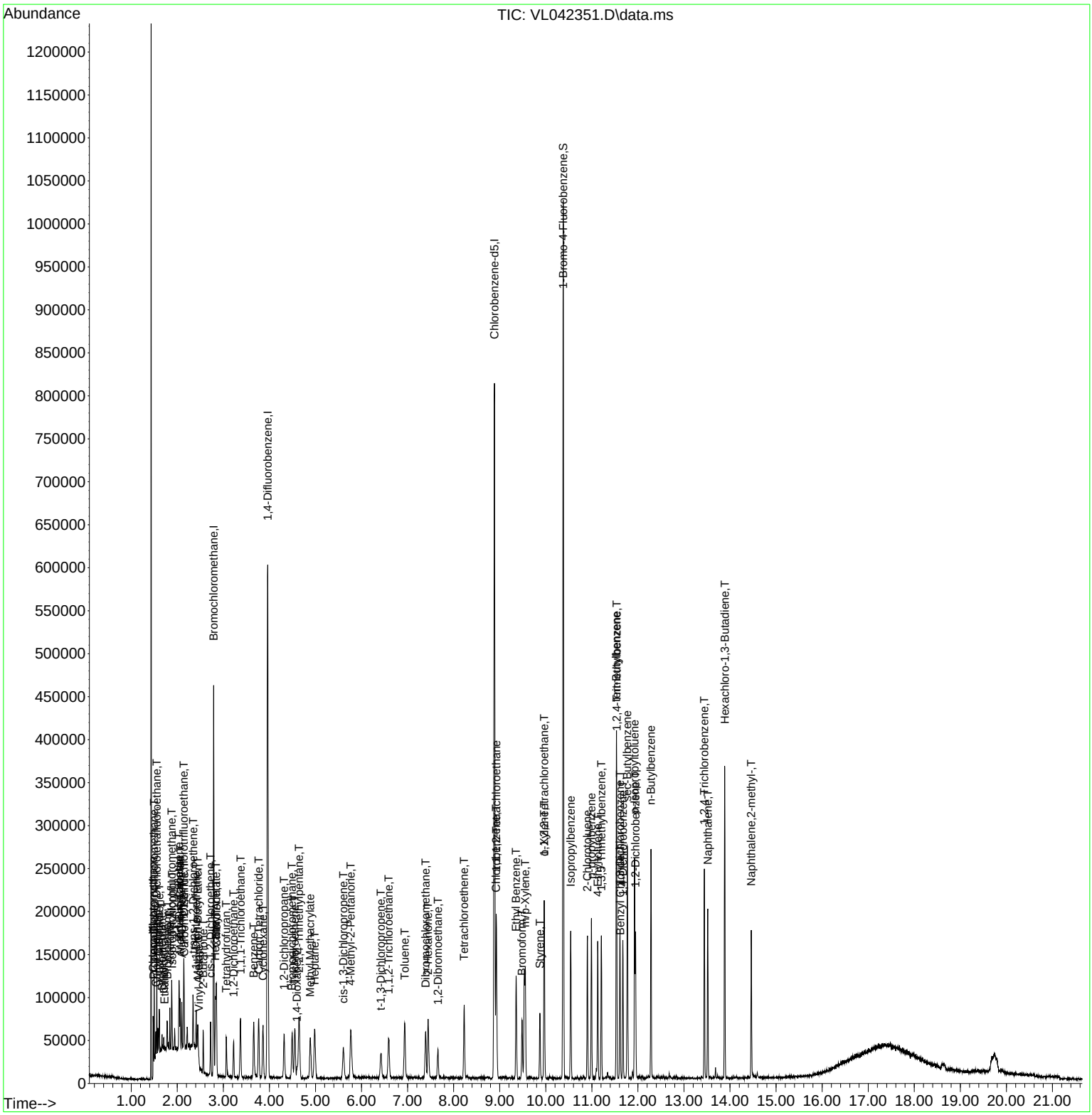
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042351.D
Acq On : 17 Apr 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042352.D
Acq On : 17 Apr 2025 11:19
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	120542	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	353137	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	321644	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	265161	10.032	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11036	0.518	ppbv		92
3) Chlorodifluoromethane	1.476	51	11304	0.557	ppbv	#	84
4) Chloromethane	1.531	50	4534	0.538	ppbv		97
5) Vinyl Chloride	1.580	62	4406	0.480	ppbv		97
6) Bromomethane	1.667	94	2394	0.602	ppbv		95
7) Chloroethane	1.703	64	1824	0.550	ppbv	#	87
8) Dichlorotetrafluoroethane	1.554	85	9381	0.513	ppbv		99
9) Propene	1.483	41	5303	0.574	ppbv		93
10) Heptane	4.978	43	14728m	0.593	ppbv		
11) Trichlorofluoromethane	1.877	101	10150	0.501	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.136	101	8371	0.506	ppbv		93
13) Ethanol	1.719	45	1656m	2.194	ppbv		
14) Bromoethene	1.780	108	3238	0.519	ppbv	#	93
15) Acetone	1.835	43	11859	0.601	ppbv	#	74
16) 1,3-Butadiene	1.609	39	6120	0.660	ppbv	#	82
17) tert-Butyl alcohol	2.043	59	13640	0.558	ppbv	#	85
18) 1,1-Dichloroethene	2.033	96	4430	0.556	ppbv	#	87
19) Isopropyl Alcohol	1.884	45	6327	0.577	ppbv	#	39
20) Methylene Chloride	2.059	84	5273	0.682	ppbv		93
21) Allyl Chloride	2.094	41	7692	0.565	ppbv	#	81
22) trans-1,2-Dichloroethene	2.340	96	4908	0.557	ppbv		92
23) Vinyl Acetate	2.460	43	3953	0.495	ppbv	#	57
24) 1,1-Dichloroethane	2.408	63	8753	0.523	ppbv	#	94
25) Ethyl Acetate	2.835	43	26686	0.548	ppbv	#	93
26) Hexane	2.823	57	11448	0.581	ppbv		91
27) Carbon Disulfide	2.149	76	11472	0.544	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	6833	0.530	ppbv	#	32
29) Chloroform	2.848	83	14815	0.532	ppbv		93
30) Cyclohexane	3.852	84	8572	0.541	ppbv		94
31) cis-1,2-Dichloroethene	2.722	61	9571	0.511	ppbv		96
32) 1,1,1-Trichloroethane	3.370	97	15413	0.516	ppbv		97
34) 2-Butanone	2.560	43	15640	0.560	ppbv		97
35) Carbon Tetrachloride	3.761	117	14683	0.459	ppbv		87
36) Benzene	3.651	78	20233	0.531	ppbv		97
37) 1,2-Dichloroethane	3.217	62	12194	0.533	ppbv	#	95
38) Trichloroethene	4.551	130	7819	0.468	ppbv	#	78
39) 1,2-Dichloropropane	4.308	63	7790m	0.548	ppbv		
40) 1,4-Dioxane	4.599	88	4637m	0.603	ppbv		
41) Tetrahydrofuran	3.062	42	9144m	0.567	ppbv		
42) Bromodichloromethane	4.489	83	16642	0.523	ppbv	#	91
43) Methyl Methacrylate	4.881	69	9620m	0.563	ppbv		
44) 2,2,4-Trimethylpentane	4.635	57	34170	0.519	ppbv		91
45) t-1,3-Dichloropropene	6.415	75	9073m	0.517	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042352.D
Acq On : 17 Apr 2025 11:19
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.596	75	10827m	0.505	ppbv		
47)	1,1,2-Trichloroethane	6.577	97	7466m	0.516	ppbv		
48)	Dibromochloromethane	7.386	129	13122	0.514	ppbv		97
49)	Bromoform	9.477	173	10988	0.492	ppbv		99
50)	4-Methyl-2-Pentanone	5.761	43	27206m	0.585	ppbv		
51)	2-Hexanone	7.441	43	23684	0.564	ppbv		98
52)	Tetrachloroethene	8.221	164	7412	0.503	ppbv	#	88
53)	Toluene	6.927	91	24200	0.529	ppbv		97
54)	1,2-Dibromoethane	7.645	107	10282	0.499	ppbv		84
56)	1,1,1,2-Tetrachloroethane	8.930	131	9987	0.513	ppbv	#	1
57)	Chlorobenzene	8.917	112	18149m	0.543	ppbv		
58)	Ethyl Benzene	9.351	91	32624	0.512	ppbv		97
59)	m/p-Xylene	9.532	91	54197m	1.053	ppbv		
60)	o-Xylene	9.963	91	27983	0.541	ppbv		99
61)	Styrene	9.869	104	12736	0.516	ppbv		96
62)	Isopropylbenzene	10.539	105	40481	0.533	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.959	83	15920	0.474	ppbv		99
64)	n-propylbenzene	10.985	120	10369	0.544	ppbv		97
65)	tert-Butylbenzene	11.529	119	37294	0.535	ppbv		93
66)	Benzyl Chloride	11.613	91	3878	0.506	ppbv	#	91
67)	sec-Butylbenzene	11.765	105	52139	0.537	ppbv		97
69)	p-Isopropyltoluene	11.924	119	45574	0.541	ppbv		98
70)	n-Butylbenzene	12.280	91	48004	0.547	ppbv		99
71)	2-Chlorotoluene	10.898	91	31709	0.533	ppbv		100
72)	4-Ethyltoluene	11.125	105	33048	0.523	ppbv	#	95
73)	1,3,5-Trimethylbenzene	11.202	105	30464	0.546	ppbv		99
74)	1,2,4-Trimethylbenzene	11.536	105	37765	0.579	ppbv	#	90
75)	1,3-Dichlorobenzene	11.607	146	18003	0.531	ppbv		99
76)	1,4-Dichlorobenzene	11.668	146	18300	0.537	ppbv		96
77)	1,2-Dichlorobenzene	11.947	146	17446	0.530	ppbv		95
78)	Hexachloro-1,3-Butadiene	13.879	225	18705	0.562	ppbv		98
79)	Naphthalene	13.513	128	38521	0.494	ppbv	#	92
80)	Naphthalene,2-methyl-	14.458	142	21076	0.475	ppbv		96
81)	1,2,4-Trichlorobenzene	13.442	180	16504	0.493	ppbv		97

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

Quantitation Report (QT Reviewed)

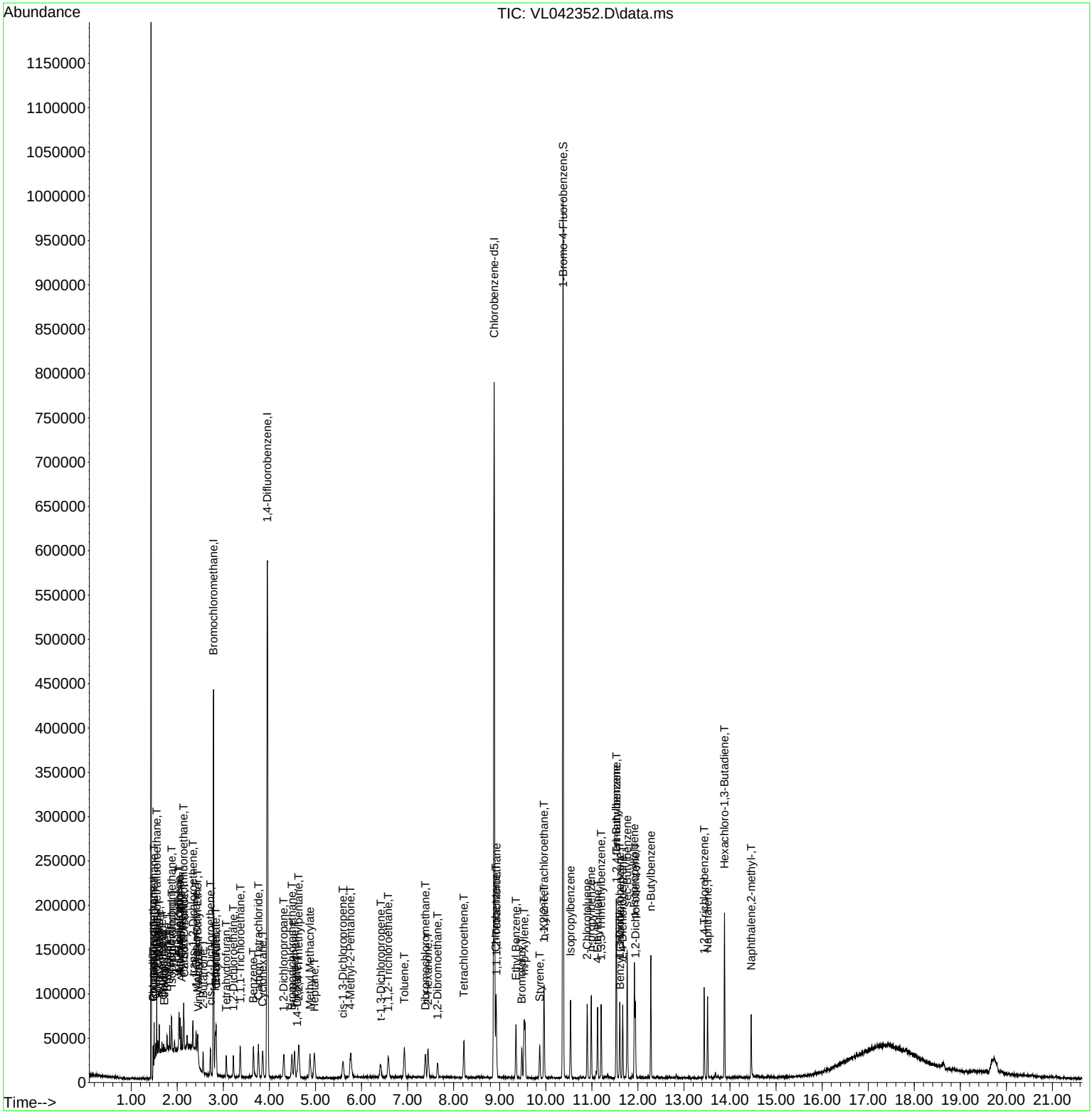
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042352.D
Acq On : 17 Apr 2025 11:19
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042353.D
Acq On : 17 Apr 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	119461	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	350484	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	315004	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	256417	9.906	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.100%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	1088	0.120	ppbv	# 74
32) 1,1,1-Trichloroethane	3.367	97	3393m	0.115	ppbv	
35) Carbon Tetrachloride	3.771	117	3204	0.101	ppbv	# 94
38) Trichloroethene	4.551	130	1771m	0.107	ppbv	
52) Tetrachloroethene	8.222	164	1583m	0.108	ppbv	
54) 1,2-Dibromoethane	7.662	107	2177m	0.106	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	3706m	0.113	ppbv	
79) Naphthalene	13.517	128	7664	0.100	ppbv	# 92

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

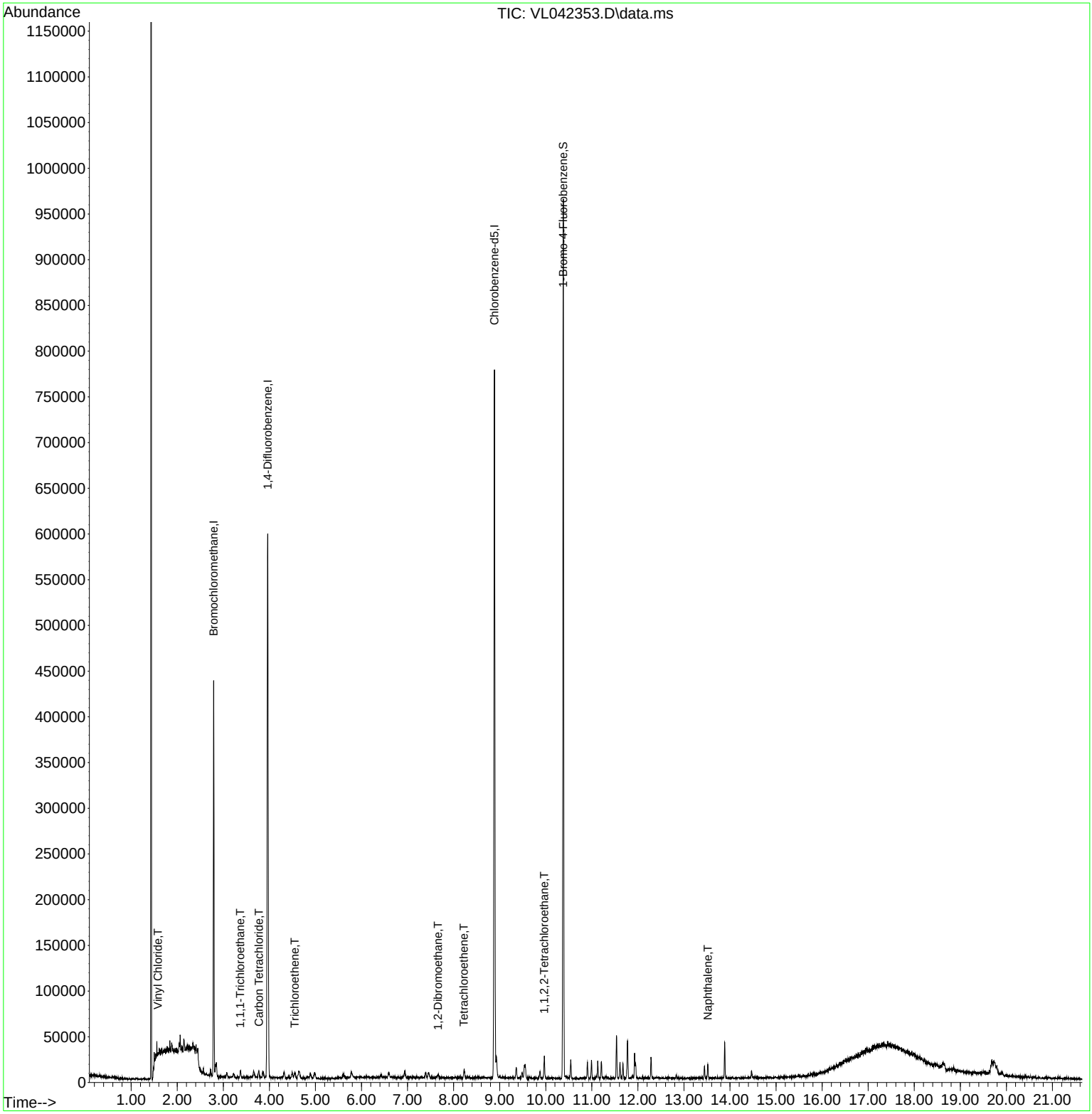
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042353.D
Acq On : 17 Apr 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042354.D
Acq On : 17 Apr 2025 12:22
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 02:07:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	120042	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	349264	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	312999	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	256230	9.962	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	361	0.040	ppbv	# 76
32) 1,1,1-Trichloroethane	3.373	97	1120m	0.038	ppbv	
35) Carbon Tetrachloride	3.768	117	1382m	0.044	ppbv	
38) Trichloroethene	4.538	130	674m	0.041	ppbv	
52) Tetrachloroethene	8.228	164	569m	0.039	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.972	83	1321m	0.040	ppbv	

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

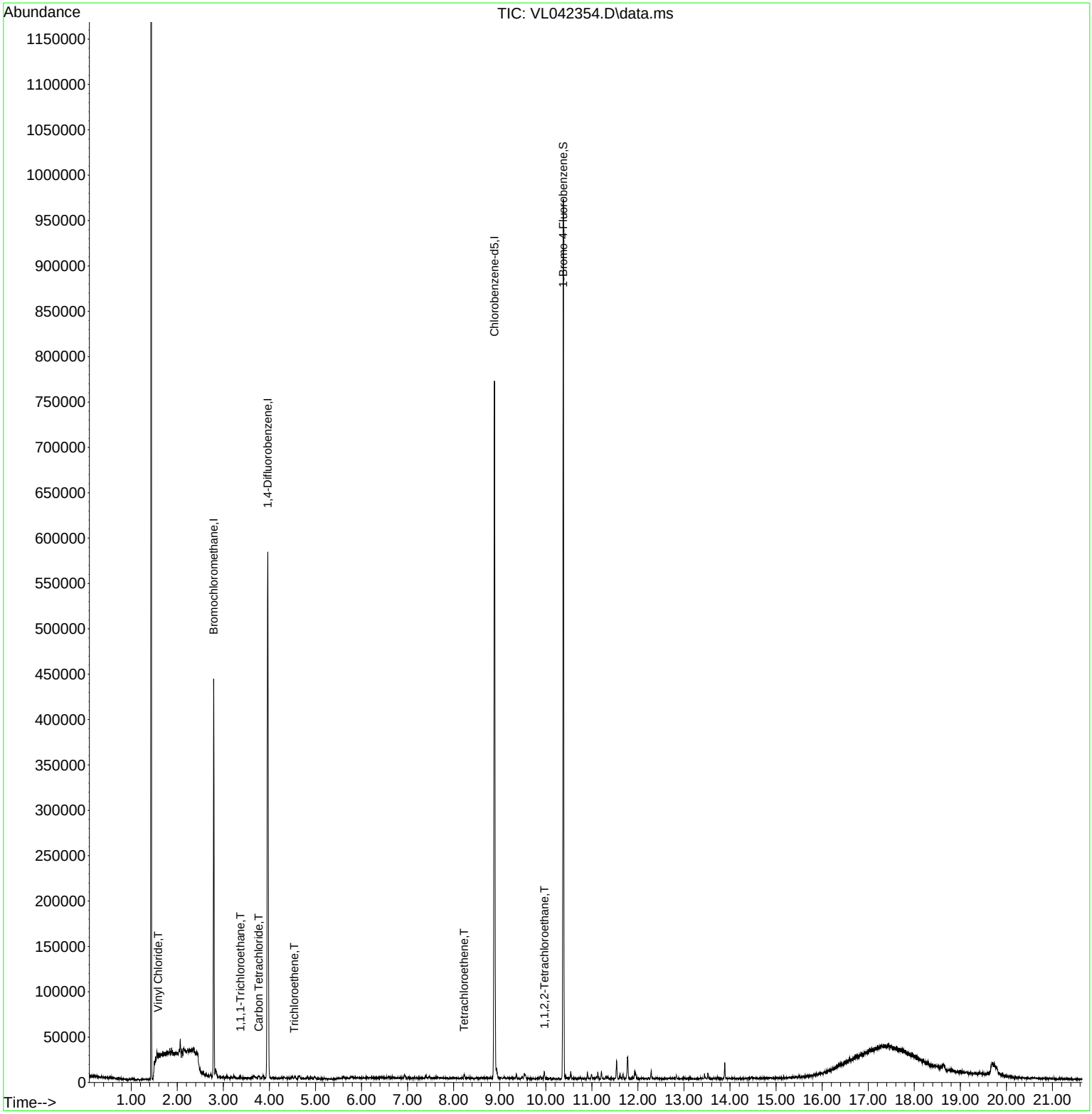
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042354.D
Acq On : 17 Apr 2025 12:22
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 02:07:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042355.D
Acq On : 17 Apr 2025 12:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	116071	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	332080	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	308463	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	254437	10.038	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	292784	14.277	ppbv	99
3) Chlorodifluoromethane	1.477	51	280042	14.341	ppbv	98
4) Chloromethane	1.532	50	115775	14.266	ppbv	99
5) Vinyl Chloride	1.580	62	112650	12.752	ppbv	100
6) Bromomethane	1.667	94	52805	13.800	ppbv	88
7) Chloroethane	1.703	64	44347	13.881	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	255029	14.484	ppbv	98
9) Propene	1.483	41	123102	13.842	ppbv	95
10) Heptane	4.979	43	336134	14.047	ppbv	100
11) Trichlorofluoromethane	1.875	101	278059	14.258	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.137	101	230366	14.447	ppbv	99
13) Ethanol	1.719	45	6324	8.702	ppbv	76
14) Bromoethene	1.781	108	84851	14.117	ppbv	99
15) Acetone	1.833	43	229086	12.056	ppbv	99
16) 1,3-Butadiene	1.609	39	117997	13.224	ppbv	96
17) tert-Butyl alcohol	2.040	59	320605	13.615	ppbv	99
18) 1,1-Dichloroethene	2.033	96	107666	14.045	ppbv	99
19) Isopropyl Alcohol	1.884	45	139004	13.169	ppbv	94
20) Methylene Chloride	2.059	84	91093	12.241	ppbv	90
21) Allyl Chloride	2.095	41	187995	14.329	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	118492	13.970	ppbv	94
23) Vinyl Acetate	2.460	43	106135	13.799	ppbv #	98
24) 1,1-Dichloroethane	2.409	63	235466	14.615	ppbv	99
25) Ethyl Acetate	2.836	43	663644	14.166	ppbv	100
26) Hexane	2.826	57	260975	13.765	ppbv	97
27) Carbon Disulfide	2.150	76	299098	14.734	ppbv	97
28) Methyl tert-Butyl Ether	2.438	73	174855	14.076	ppbv	95
29) Chloroform	2.849	83	385686	14.393	ppbv	99
30) Cyclohexane	3.855	84	217375	14.238	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	264972	14.700	ppbv	98
32) 1,1,1-Trichloroethane	3.367	97	412537	14.357	ppbv	99
34) 2-Butanone	2.558	43	367315	13.986	ppbv	100
35) Carbon Tetrachloride	3.762	117	409916	13.639	ppbv	94
36) Benzene	3.655	78	522156	14.578	ppbv	97
37) 1,2-Dichloroethane	3.218	62	319517	14.863	ppbv	100
38) Trichloroethene	4.548	130	208508	13.278	ppbv	98
39) 1,2-Dichloropropane	4.312	63	189697	14.201	ppbv	97
40) 1,4-Dioxane	4.580	88	92114	12.733	ppbv #	95
41) Tetrahydrofuran	3.053	42	214949	14.166	ppbv	98
42) Bromodichloromethane	4.490	83	442735	14.798	ppbv	95
43) Methyl Methacrylate	4.878	69	219757	13.670	ppbv	95
44) 2,2,4-Trimethylpentane	4.642	57	893529	14.425	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	244470	14.810	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042355.D
Acq On : 17 Apr 2025 12:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	300145	14.878	ppbv		90
47) 1,1,2-Trichloroethane	6.581	97	198874	14.615	ppbv		98
48) Dibromochloromethane	7.390	129	362887	15.105	ppbv		98
49) Bromoform	9.484	173	312282	14.865	ppbv		99
50) 4-Methyl-2-Pentanone	5.749	43	563658	12.889	ppbv		99
51) 2-Hexanone	7.435	43	467001	11.834	ppbv	#	98
52) Tetrachloroethene	8.225	164	180631	13.046	ppbv		97
53) Toluene	6.933	91	619420	14.411	ppbv		99
54) 1,2-Dibromoethane	7.652	107	280071	14.442	ppbv		92
56) 1,1,1,2-Tetrachloroethane	8.927	131	268626	14.389	ppbv		97
57) Chlorobenzene	8.921	112	454017	14.151	ppbv		97
58) Ethyl Benzene	9.354	91	874424	14.308	ppbv		100
59) m/p-Xylene	9.552	91	1388086m	28.109	ppbv		
60) o-Xylene	9.963	91	689246	13.902	ppbv		99
61) Styrene	9.872	104	339508	14.347	ppbv		99
62) Isopropylbenzene	10.539	105	1018968	13.999	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.963	83	412898	12.816	ppbv		100
64) n-propylbenzene	10.989	120	260812	14.255	ppbv		94
65) tert-Butylbenzene	11.533	119	899720	13.449	ppbv		93
66) Benzyl Chloride	11.617	91	96016	13.061	ppbv		96
67) sec-Butylbenzene	11.769	105	1253263	13.468	ppbv		100
69) p-Isopropyltoluene	11.928	119	1081850	13.382	ppbv		99
70) n-Butylbenzene	12.284	91	1117042	13.266	ppbv		100
71) 2-Chlorotoluene	10.902	91	806728	14.131	ppbv		100
72) 4-Ethyltoluene	11.125	105	848077	13.992	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	726558	13.578	ppbv		99
74) 1,2,4-Trimethylbenzene	11.539	105	785772	12.572	ppbv		97
75) 1,3-Dichlorobenzene	11.610	146	444086	13.670	ppbv		99
76) 1,4-Dichlorobenzene	11.672	146	450662	13.802	ppbv		98
77) 1,2-Dichlorobenzene	11.947	146	427372	13.529	ppbv		99
78) Hexachloro-1,3-Butadiene	13.883	225	404441	12.679	ppbv		100
79) Naphthalene	13.514	128	944085	12.632	ppbv		98
80) Naphthalene,2-methyl-	14.459	142	540339	12.686	ppbv		99
81) 1,2,4-Trichlorobenzene	13.442	180	429982	13.398	ppbv		98

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

Quantitation Report (QT Reviewed)

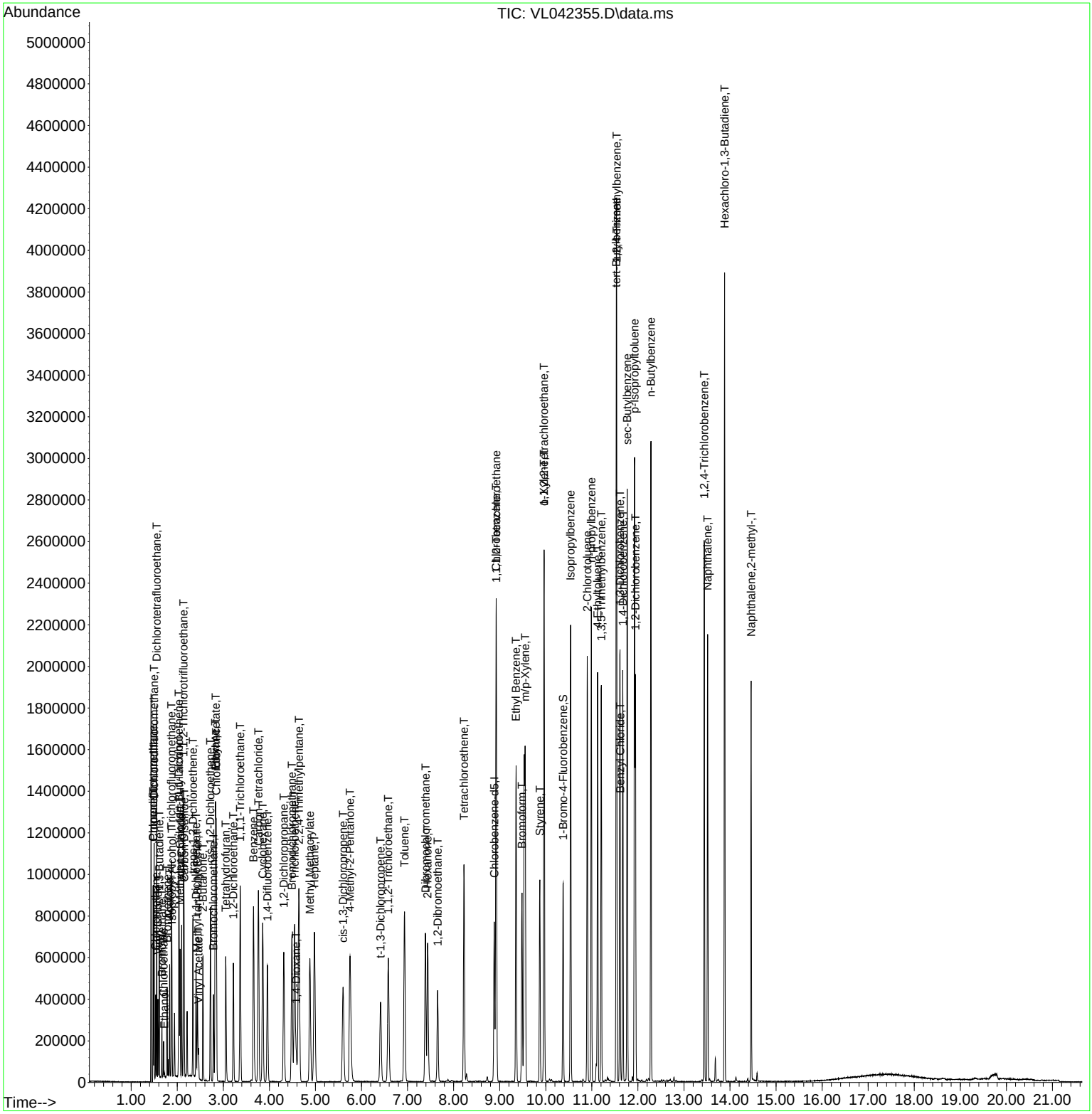
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042355.D
Acq On : 17 Apr 2025 12:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	113992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	324528	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	305357	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	250149	9.969	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	197623	9.812	ppbv	100
3) Chlorodifluoromethane	1.476	51	191010	9.960	ppbv	99
4) Chloromethane	1.531	50	78080	9.796	ppbv	98
5) Vinyl Chloride	1.580	62	75628	8.717	ppbv	97
6) Bromomethane	1.667	94	35115	9.422	ppbv	84
7) Chloroethane	1.703	64	30158	9.612	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	172863	9.997	ppbv	98
9) Propene	1.482	41	84636	9.690	ppbv	95
10) Heptane	4.978	43	221840	9.041	ppbv	98
11) Trichlorofluoromethane	1.877	101	187827	9.807	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	148485	9.482	ppbv	100
13) Ethanol	1.722	45	4171	3.005	ppbv	97
14) Bromoethene	1.780	108	58320	9.880	ppbv	99
15) Acetone	1.835	43	158708	8.505	ppbv	100
16) 1,3-Butadiene	1.609	39	78804	8.829	ppbv	95
17) tert-Butyl alcohol	2.039	59	218954	9.468	ppbv	99
18) 1,1-Dichloroethene	2.033	96	67940	9.287	ppbv	94
19) Isopropyl Alcohol	1.887	45	96365	9.296	ppbv	95
20) Methylene Chloride	2.062	84	59203	8.101	ppbv	91
21) Allyl Chloride	2.094	41	120704	9.368	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	78070	9.373	ppbv	99
23) Vinyl Acetate	2.463	43	73373	9.714	ppbv	99
24) 1,1-Dichloroethane	2.408	63	155571	9.832	ppbv	100
25) Ethyl Acetate	2.835	43	449014	9.759	ppbv	99
26) Hexane	2.826	57	175752	9.439	ppbv	98
27) Carbon Disulfide	2.149	76	191117	9.587	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	115190	9.442	ppbv	94
29) Chloroform	2.848	83	260855	9.912	ppbv	98
30) Cyclohexane	3.855	84	148246	9.849	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	179993	10.167	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	276599	9.336	ppbv	98
34) 2-Butanone	2.557	43	248969	9.700	ppbv	99
35) Carbon Tetrachloride	3.764	117	271862	9.256	ppbv	98
36) Benzene	3.657	78	350545	10.014	ppbv	99
37) 1,2-Dichloroethane	3.217	62	211790	10.081	ppbv	99
38) Trichloroethene	4.551	130	139872	9.143	ppbv	96
39) 1,2-Dichloropropane	4.315	63	129239	9.908	ppbv	99
40) 1,4-Dioxane	4.583	88	61587	8.591	ppbv #	96
41) Tetrahydrofuran	3.052	42	141861	9.479	ppbv	99
42) Bromodichloromethane	4.489	83	296946	10.156	ppbv	96
43) Methyl Methacrylate	4.878	69	149209	9.458	ppbv	96
44) 2,2,4-Trimethylpentane	4.641	57	606376	10.030	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	160750	9.975	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	200144	10.148	ppbv		88
47) 1,1,2-Trichloroethane	6.583	97	135575	10.202	ppbv		95
48) Dibromochloromethane	7.389	129	237206	10.103	ppbv		100
49) Bromoform	9.483	173	205630	10.016	ppbv		99
50) 4-Methyl-2-Pentanone	5.748	43	376145	8.819	ppbv		99
51) 2-Hexanone	7.435	43	310521	8.118	ppbv	#	99
52) Tetrachloroethene	8.224	164	119424	8.827	ppbv		94
53) Toluene	6.933	91	419462	9.986	ppbv		99
54) 1,2-Dibromoethane	7.652	107	186231	9.792	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.927	131	182712	9.886	ppbv		97
57) Chlorobenzene	8.920	112	304533	9.589	ppbv		96
58) Ethyl Benzene	9.354	91	583515	9.645	ppbv		99
59) m/p-Xylene	9.532	91	932801m	19.139	ppbv		
60) o-Xylene	9.966	91	464522	9.465	ppbv		99
61) Styrene	9.872	104	229869	9.813	ppbv		98
62) Isopropylbenzene	10.539	105	685965	9.520	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.962	83	279007	8.773	ppbv		100
64) n-propylbenzene	10.992	120	172654	9.533	ppbv		99
65) tert-Butylbenzene	11.532	119	609500	9.203	ppbv		93
66) Benzyl Chloride	11.613	91	63051	8.664	ppbv		95
67) sec-Butylbenzene	11.769	105	853807	9.268	ppbv		99
69) p-Isopropyltoluene	11.927	119	737861	9.220	ppbv		99
70) n-Butylbenzene	12.283	91	771461	9.255	ppbv		100
71) 2-Chlorotoluene	10.901	91	543794	9.622	ppbv		98
72) 4-Ethyltoluene	11.124	105	563136	9.385	ppbv		100
73) 1,3,5-Trimethylbenzene	11.205	105	486583	9.186	ppbv		99
74) 1,2,4-Trimethylbenzene	11.539	105	531576	8.592	ppbv		97
75) 1,3-Dichlorobenzene	11.610	146	297157	9.240	ppbv		99
76) 1,4-Dichlorobenzene	11.671	146	297697	9.210	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	289284	9.251	ppbv		100
78) Hexachloro-1,3-Butadiene	13.882	225	276960	8.771	ppbv		100
79) Naphthalene	13.513	128	647349	8.750	ppbv		99
80) Naphthalene,2-methyl-	14.458	142	350259	8.307	ppbv		99
81) 1,2,4-Trichlorobenzene	13.442	180	290260	9.136	ppbv		99

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

Quantitation Report (QT Reviewed)

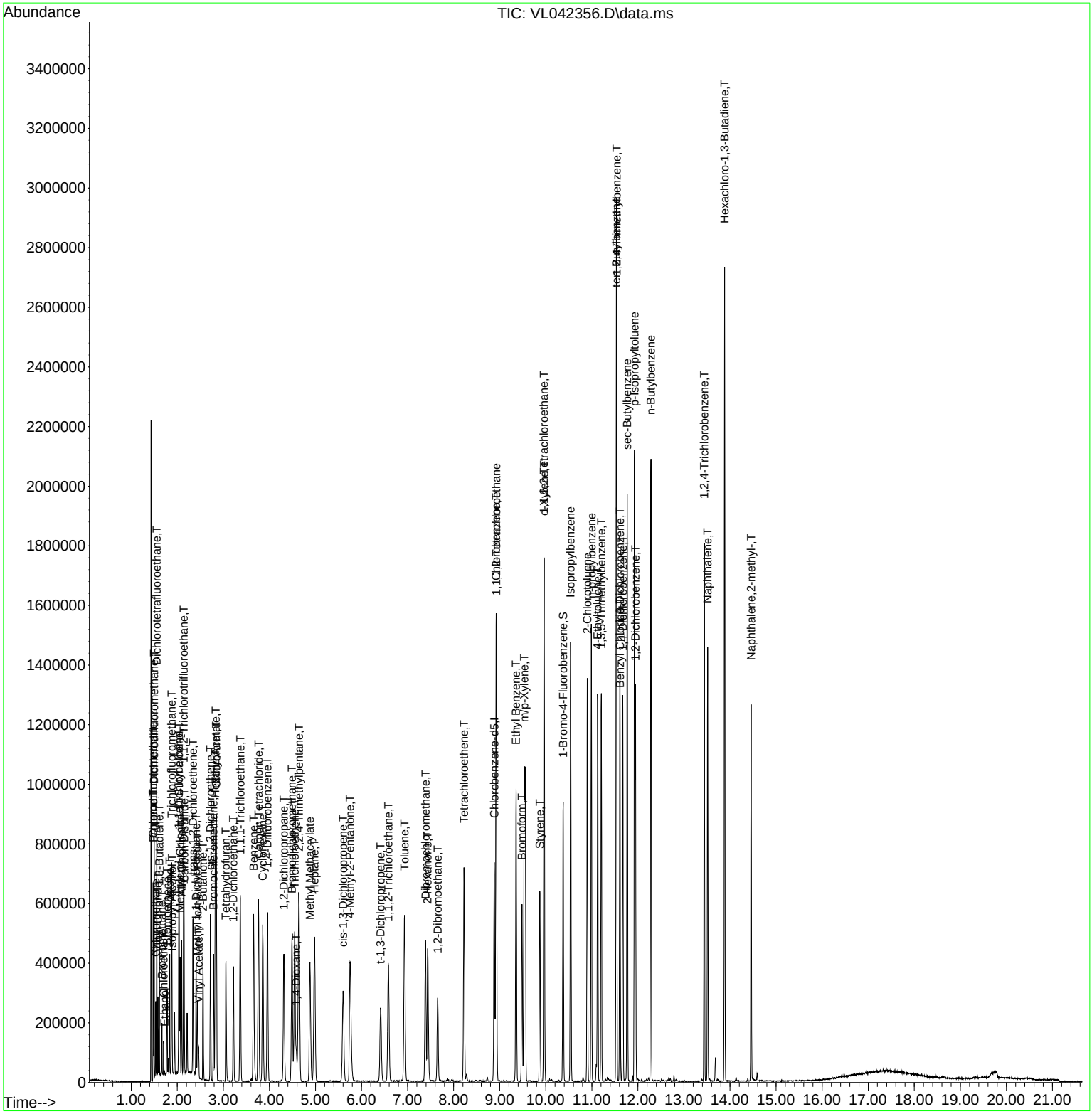
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	1.767	1.734	1.9	95	0.00
3		Chlorodifluoromethane	1.682	1.676	0.4	97	0.00
4		Chloromethane	0.699	0.685	2.0	95	0.00
5	T	Vinyl Chloride	0.761	0.663	12.9	94	0.00
6	T	Bromomethane	0.327	0.308	5.8	92	0.00
7		Chloroethane	0.275	0.265	3.6	95	0.00
8	T	Dichlorotetrafluoroethane	1.517	1.516	0.1	96	0.00
9	T	Propene	0.766	0.742	3.1	98	0.00
10	T	Heptane	2.153	1.946	9.6	94	0.00
11	T	Trichlorofluoromethane	1.680	1.648	1.9	96	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.374	1.303	5.2	92	0.00
13		Ethanol	0.122	0.037#	69.7#	94	0.00
14	T	Bromoethene	0.518	0.512	1.2	95	0.00
15	T	Acetone	1.637	1.392	15.0	100	0.00
16	T	1,3-Butadiene	0.783	0.691	11.7	96	0.00
17		tert-Butyl alcohol	2.029	1.921	5.3	97	0.00
18	T	1,1-Dichloroethene	0.642	0.596	7.2	93	0.00
19	T	Isopropyl Alcohol	0.909	0.845	7.0	94	0.00
20	T	Methylene Chloride	0.641	0.519	19.0	95	0.00
21	T	Allyl Chloride	1.130	1.059	6.3	99	0.00
22	T	trans-1,2-Dichloroethene	0.731	0.685	6.3	94	0.00
23	T	Vinyl Acetate	0.663	0.644	2.9	105	0.00
24	T	1,1-Dichloroethane	1.388	1.365	1.7	97	0.00
25	T	Ethyl Acetate	4.036	3.939	2.4	97	0.00
26	T	Hexane	1.633	1.542	5.6	98	0.00
27	T	Carbon Disulfide	1.749	1.677	4.1	91	0.00
28	T	Methyl tert-Butyl Ether	1.070	1.011	5.5	98	0.00
29	T	Chloroform	2.309	2.288	0.9	97	0.00
30	T	Cyclohexane	1.320	1.300	1.5	94	0.00
31	T	cis-1,2-Dichloroethene	1.553	1.579	-1.7	98	0.00
32	T	1,1,1-Trichloroethane	2.599	2.426	6.7	97	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
34	T	2-Butanone	0.791	0.767	3.0	99	0.00
35	T	Carbon Tetrachloride	0.905	0.838	7.4	96	0.00
36	T	Benzene	1.079	1.080	-0.1	95	0.00
37	T	1,2-Dichloroethane	0.647	0.653	-0.9	98	0.00
38	T	Trichloroethene	0.471	0.431	8.5	97	0.00
39	T	1,2-Dichloropropane	0.402	0.398	1.0	95	0.00
40	T	1,4-Dioxane	0.221	0.190	14.0	92	0.00
41	T	Tetrahydrofuran	0.461	0.437	5.2	95	0.00
42	T	Bromodichloromethane	0.901	0.915	-1.6	95	0.00
43		Methyl Methacrylate	0.486	0.460	5.3	95	0.00
44	T	2,2,4-Trimethylpentane	1.863	1.868	-0.3	97	0.00
45	T	t-1,3-Dichloropropene	0.497	0.495	0.4	96	0.00
46	T	cis-1,3-Dichloropropene	0.608	0.617	-1.5	96	0.00
47	T	1,1,2-Trichloroethane	0.410	0.418	-2.0	98	0.00
48	T	Dibromochloromethane	0.723	0.731	-1.1	95	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.633	0.634	-0.2	91	0.00
50	T	4-Methyl-2-Pentanone	1.314	1.159	11.8	95	0.00
51	T	2-Hexanone	1.179	0.957	18.8	95	0.00
52	T	Tetrachloroethene	0.417	0.368	11.8	91	0.00
53	T	Toluene	1.294	1.293	0.1	96	0.00
54	T	1,2-Dibromoethane	0.586	0.574	2.0	94	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	0.605	0.598	1.2	98	0.00
57	T	Chlorobenzene	1.040	0.997	4.1	94	0.00
58	T	Ethyl Benzene	1.981	1.911	3.5	94	0.00
59	T	m/p-Xylene	1.596	1.527	4.3	95	-0.02
60	T	o-Xylene	1.607	1.521	5.4	95	0.00
61	T	Styrene	0.767	0.753	1.8	94	0.00
62		Isopropylbenzene	2.360	2.246	4.8	93	0.00
63	T	1,1,2,2-Tetrachloroethane	1.042	0.914	12.3	95	0.00
64		n-propylbenzene	0.593	0.565	4.7	94	0.00
65		tert-Butylbenzene	2.169	1.996	8.0	95	0.00
66	T	Benzyl Chloride	0.238	0.206	13.4	76	0.00
67		sec-Butylbenzene	3.017	2.796	7.3	95	0.00
68	S	1-Bromo-4-Fluorobenzene	0.822	0.819	0.4	89	0.00
69		p-Isopropyltoluene	2.621	2.416	7.8	95	0.00
70		n-Butylbenzene	2.730	2.526	7.5	96	0.00
71		2-Chlorotoluene	1.851	1.781	3.8	95	0.00
72	T	4-Ethyltoluene	1.965	1.844	6.2	94	0.00
73	T	1,3,5-Trimethylbenzene	1.735	1.593	8.2	95	0.00
74	T	1,2,4-Trimethylbenzene	2.026	1.741	14.1	94	0.00
75	T	1,3-Dichlorobenzene	1.053	0.973	7.6	93	0.00
76	T	1,4-Dichlorobenzene	1.059	0.975	7.9	93	0.00
77	T	1,2-Dichlorobenzene	1.024	0.947	7.5	95	0.00
78	T	Hexachloro-1,3-Butadiene	1.034	0.907	12.3	95	0.00
79	T	Naphthalene	2.423	2.120	12.5	96	0.00
80	T	Naphthalene,2-methyl-	1.381	1.147	16.9	93	0.00
81	T	1,2,4-Trichlorobenzene	1.040	0.951	8.6	95	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1801 SAS No.: Q1801 SDG No.: Q1801

Instrument ID: MSVOA_L Calibration Date/Time: 04/21/2025 08:41

Lab File ID: VL042395.D Init. Calib. Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:44 12:54

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.767	1.812		2.55	30
Chloromethane	0.699	0.661		-5.44	30
Vinyl Chloride	0.761	0.665		-12.61	30
Bromomethane	0.327	0.310		-5.2	30
Chloroethane	0.275	0.270		-1.82	30
Tetrahydrofuran	0.461	0.355		-22.99	30
Trichlorofluoromethane	1.680	1.735		3.27	30
1,1,2-Trichlorotrifluoroethane	1.374	1.307		-4.88	30
Dichlorotetrafluoroethane	1.517	1.541		1.58	30
tert-Butyl alcohol	2.029	1.870		-7.84	30
Heptane	2.153	1.512		-29.77	30
1,1-Dichloroethene	0.642	0.593		-7.63	30
Acetone	1.637	1.420		-13.26	30
Carbon Disulfide	1.749	1.689		-3.43	30
Methyl tert-Butyl Ether	1.070	0.900		-15.89	30
Methylene Chloride	0.641	0.507		-20.91	30
trans-1,2-Dichloroethene	0.731	0.672		-8.07	30
1,1-Dichloroethane	1.388	1.305		-5.98	30
Cyclohexane	1.320	1.069		-19.01	30
2-Butanone	0.791	0.658		-16.81	30
Carbon Tetrachloride	0.905	0.870		-3.87	30
cis-1,2-Dichloroethene	1.553	1.406		-9.47	30
Chloroform	2.309	2.194		-4.98	30
1,1,1-Trichloroethane	2.599	2.413		-7.16	30
2,2,4-Trimethylpentane	1.863	1.516		-18.63	30
Benzene	1.079	0.908		-15.85	30
1,2-Dichloroethane	0.647	0.661		2.16	30
Trichloroethene	0.471	0.368		-21.87	30
1,2-Dichloropropane	0.402	0.322		-19.9	30
Bromodichloromethane	0.901	0.883		-2	30
4-Methyl-2-Pentanone	1.314	0.961		-26.86	30
Toluene	1.294	1.062		-17.93	30
t-1,3-Dichloropropene	0.497	0.427		-14.09	30
cis-1,3-Dichloropropene	0.608	0.522		-14.15	30
1,1,2-Trichloroethane	0.410	0.357		-12.93	30
Dibromochloromethane	0.723	0.686		-5.12	30
1,2-Dibromoethane	0.586	0.507		-13.48	30
Tetrachloroethene	0.417	0.312		-25.18	30

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: GFEL01

Lab Code: CHEM Case No.: Q1801 SAS No.: Q1801 SDG No.: Q1801

Instrument ID: MSVOA_L Calibration Date/Time: 04/21/2025 08:41

Lab File ID: VL042395.D Init. Calib. Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:44 12:54

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	1.040	0.930		-10.58	30
Ethyl Benzene	1.981	1.743		-12.01	30
m/p-Xylene	1.596	1.426		-10.65	30
o-Xylene	1.607	1.459		-9.21	30
Styrene	0.767	0.649		-15.39	30
Bromoform	0.633	0.559		-11.69	30
1,1,2,2-Tetrachloroethane	1.042	0.842		-19.19	30
2-Chlorotoluene	1.851	1.660		-10.32	30
1,3,5-Trimethylbenzene	1.735	1.518		-12.51	30
1,2,4-Trimethylbenzene	2.026	1.690		-16.58	30
1,3-Dichlorobenzene	1.053	0.888		-15.67	30
1,4-Dichlorobenzene	1.059	0.894		-15.58	30
1,2-Dichlorobenzene	1.024	0.875		-14.55	30
1,2,4-Trichlorobenzene	1.040	0.844		-18.85	30
Hexachloro-1,3-Butadiene	1.034	0.828		-19.92	30
1,3-Butadiene	0.783	0.686		-12.39	30
Naphthalene	2.423	1.920		-20.76	30
4-Ethyltoluene	1.965	1.755		-10.69	30
1-Bromo-4-Fluorobenzene	0.822	0.882		7.3	30
Hexane	1.633	1.272		-22.11	30
Allyl Chloride	1.130	1.024		-9.38	30
1,4-Dioxane	220.893	160.950		-27.14	30
Methyl Methacrylate	0.486	0.373		-23.25	30

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042395.D
Acq On : 21 Apr 2025 08:41
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 02:50:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	118349	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	334726	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	297161	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	262155	10.736	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	214405	10.253	ppbv	95
3) Chlorodifluoromethane	1.473	51	172276	8.652	ppbv	96
4) Chloromethane	1.531	50	78242	9.455	ppbv	99
5) Vinyl Chloride	1.576	62	78692	8.736	ppbv	98
6) Bromomethane	1.664	94	36698	9.484	ppbv	92
7) Chloroethane	1.703	64	31945	9.806	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	182317	10.155	ppbv	94
9) Propene	1.483	41	67297	7.422	ppbv	98
10) Heptane	4.972	43	178981	7.026	ppbv	98
11) Trichlorofluoromethane	1.874	101	205368	10.328	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	154701	9.515	ppbv	99
13) Ethanol	1.719	45	4511	3.130	ppbv	88
14) Bromoethene	1.780	108	59325	9.680	ppbv	98
15) Acetone	1.832	43	168061	8.675	ppbv	99
16) 1,3-Butadiene	1.606	39	81189	8.762	ppbv	96
17) tert-Butyl alcohol	2.036	59	221320	9.218	ppbv	100
18) 1,1-Dichloroethene	2.030	96	70214	9.244	ppbv	97
19) Isopropyl Alcohol	1.884	45	98218	9.126	ppbv	94
20) Methylene Chloride	2.059	84	60052	7.915	ppbv	92
21) Allyl Chloride	2.091	41	121139	9.056	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	79496	9.192	ppbv	92
23) Vinyl Acetate	2.457	43	57298	7.306	ppbv	97
24) 1,1-Dichloroethane	2.405	63	154500	9.405	ppbv	100
25) Ethyl Acetate	2.832	43	392210	8.211	ppbv	99
26) Hexane	2.823	57	150573	7.789	ppbv	98
27) Carbon Disulfide	2.146	76	199908	9.658	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	106569	8.414	ppbv	95
29) Chloroform	2.845	83	259635	9.502	ppbv	98
30) Cyclohexane	3.852	84	126496	8.095	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	166357	9.051	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	285590	9.284	ppbv	99
34) 2-Butanone	2.554	43	220144	8.316	ppbv	99
35) Carbon Tetrachloride	3.755	117	291229	9.614	ppbv	91
36) Benzene	3.651	78	303987	8.420	ppbv	97
37) 1,2-Dichloroethane	3.214	62	221151	10.206	ppbv	97
38) Trichloroethene	4.541	130	123150	7.804	ppbv	94
39) 1,2-Dichloropropane	4.305	63	107877	8.018	ppbv #	88
40) 1,4-Dioxane	4.574	88	53874	7.286	ppbv #	94
41) Tetrahydrofuran	3.049	42	118863	7.701	ppbv	99
42) Bromodichloromethane	4.483	83	295552	9.800	ppbv	98
43) Methyl Methacrylate	4.875	69	124747	7.667	ppbv	95
44) 2,2,4-Trimethylpentane	4.629	57	507437	8.138	ppbv	95
45) t-1,3-Dichloropropene	6.406	75	142879	8.596	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042395.D
Acq On : 21 Apr 2025 08:41
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:50:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	174844	8.595	ppbv		88
47) 1,1,2-Trichloroethane	6.571	97	119399	8.711	ppbv		92
48) Dibromochloromethane	7.380	129	229466	9.476	ppbv		99
49) Bromoform	9.480	173	187094	8.836	ppbv		99
50) 4-Methyl-2-Pentanone	5.742	43	321752	7.314	ppbv		99
51) 2-Hexanone	7.425	43	260009	6.590	ppbv	#	95
52) Tetrachloroethene	8.218	164	104294	7.474	ppbv		90
53) Toluene	6.923	91	355540	8.206	ppbv		99
54) 1,2-Dibromoethane	7.642	107	169774	8.654	ppbv		91
56) 1,1,1,2-Tetrachloroethane	8.917	131	170285	9.468	ppbv		96
57) Chlorobenzene	8.917	112	276428	8.944	ppbv		98
58) Ethyl Benzene	9.348	91	517937	8.797	ppbv		100
59) m/p-Xylene	9.545	91	847455m	17.868	ppbv		
60) o-Xylene	9.959	91	433569	9.078	ppbv		96
61) Styrene	9.866	104	192729	8.454	ppbv		96
62) Isopropylbenzene	10.535	105	625514	8.920	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.956	83	250238	8.085	ppbv		100
64) n-propylbenzene	10.985	120	154114	8.744	ppbv		97
65) tert-Butylbenzene	11.526	119	570548	8.853	ppbv		96
66) Benzyl Chloride	11.610	91	57090	8.061	ppbv		99
67) sec-Butylbenzene	11.765	105	797738	8.899	ppbv		99
69) p-Isopropyltoluene	11.921	119	684482	8.789	ppbv		97
70) n-Butylbenzene	12.277	91	720062	8.877	ppbv		97
71) 2-Chlorotoluene	10.898	91	493192	8.967	ppbv		97
72) 4-Ethyltoluene	11.121	105	521390	8.929	ppbv		97
73) 1,3,5-Trimethylbenzene	11.199	105	451158	8.752	ppbv		96
74) 1,2,4-Trimethylbenzene	11.532	105	502117	8.340	ppbv	#	87
75) 1,3-Dichlorobenzene	11.604	146	264024	8.436	ppbv		97
76) 1,4-Dichlorobenzene	11.668	146	265655	8.445	ppbv		98
77) 1,2-Dichlorobenzene	11.943	146	260133	8.548	ppbv		97
78) Hexachloro-1,3-Butadiene	13.879	225	245910	8.002	ppbv		99
79) Naphthalene	13.510	128	570593	7.925	ppbv		100
80) Naphthalene,2-methyl-	14.455	142	304139	7.412	ppbv		96
81) 1,2,4-Trichlorobenzene	13.439	180	250801	8.112	ppbv		99

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

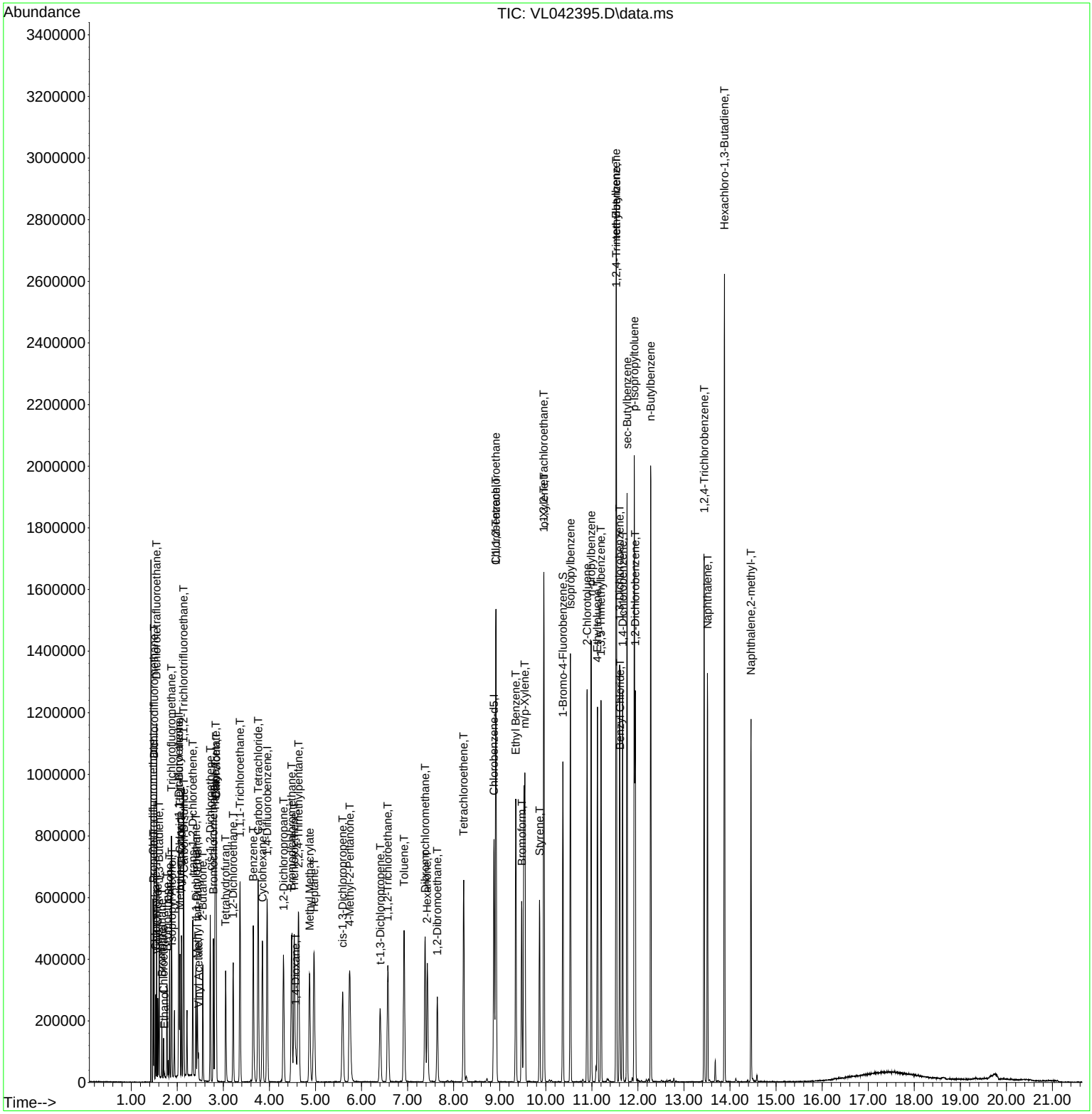
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042395.D
Acq On : 21 Apr 2025 08:41
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 02:50:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042395.D
Acq On : 21 Apr 2025 08:41
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 22 02:50:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	1.767	1.812	-2.5	103	0.00
3		Chlorodifluoromethane	1.682	1.456	13.4	87	0.00
4		Chloromethane	0.699	0.661	5.4	96	0.00
5	T	Vinyl Chloride	0.761	0.665	12.6	98	0.00
6	T	Bromomethane	0.327	0.310	5.2	96	0.00
7		Chloroethane	0.275	0.270	1.8	101	0.00
8	T	Dichlorotetrafluoroethane	1.517	1.541	-1.6	101	0.00
9	T	Propene	0.766	0.569	25.7	78	0.00
10	T	Heptane	2.153	1.512	29.8	76	0.00
11	T	Trichlorofluoromethane	1.680	1.735	-3.3	104	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.374	1.307	4.9	96	0.00
13		Ethanol	0.122	0.038#	68.9#	102	0.00
14	T	Bromoethene	0.518	0.501	3.3	96	0.00
15	T	Acetone	1.637	1.420	13.3	106	0.00
16	T	1,3-Butadiene	0.783	0.686	12.4	99	0.00
17		tert-Butyl alcohol	2.029	1.870	7.8	98	0.00
18	T	1,1-Dichloroethene	0.642	0.593	7.6	96	0.00
19	T	Isopropyl Alcohol	0.909	0.830	8.7	95	0.00
20	T	Methylene Chloride	0.641	0.507	20.9	96	0.00
21	T	Allyl Chloride	1.130	1.024	9.4	99	0.00
22	T	trans-1,2-Dichloroethene	0.731	0.672	8.1	95	0.00
23	T	Vinyl Acetate	0.663	0.484	27.0	82	0.00
24	T	1,1-Dichloroethane	1.388	1.305	6.0	96	0.00
25	T	Ethyl Acetate	4.036	3.314	17.9	85	0.00
26	T	Hexane	1.633	1.272	22.1	84	0.00
27	T	Carbon Disulfide	1.749	1.689	3.4	96	0.00
28	T	Methyl tert-Butyl Ether	1.070	0.900	15.9	90	0.00
29	T	Chloroform	2.309	2.194	5.0	96	0.00
30	T	Cyclohexane	1.320	1.069	19.0	81	0.00
31	T	cis-1,2-Dichloroethene	1.553	1.406	9.5	91	0.00
32	T	1,1,1-Trichloroethane	2.599	2.413	7.2	100	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34	T	2-Butanone	0.791	0.658	16.8	87	0.00
35	T	Carbon Tetrachloride	0.905	0.870	3.9	103	0.00
36	T	Benzene	1.079	0.908	15.8	83	0.00
37	T	1,2-Dichloroethane	0.647	0.661	-2.2	102	0.00
38	T	Trichloroethene	0.471	0.368	21.9	85	0.00
39	T	1,2-Dichloropropane	0.402	0.322	19.9	80	0.00
40	T	1,4-Dioxane	0.221	0.161	27.1	81	0.00
41	T	Tetrahydrofuran	0.461	0.355	23.0	79	0.00
42	T	Bromodichloromethane	0.901	0.883	2.0	95	0.00
43		Methyl Methacrylate	0.486	0.373	23.3	79	0.00
44	T	2,2,4-Trimethylpentane	1.863	1.516	18.6	81	-0.01
45	T	t-1,3-Dichloropropene	0.497	0.427	14.1	85	0.00
46	T	cis-1,3-Dichloropropene	0.608	0.522	14.1	84	0.00
47	T	1,1,2-Trichloroethane	0.410	0.357	12.9	87	0.00
48	T	Dibromochloromethane	0.723	0.686	5.1	92	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042395.D
Acq On : 21 Apr 2025 08:41
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 22 02:50:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.633	0.559	11.7	83	0.00
50	T	4-Methyl-2-Pentanone	1.314	0.961	26.9	81	0.00
51	T	2-Hexanone	1.179	0.777	34.1#	79	0.00
52	T	Tetrachloroethene	0.417	0.312	25.2	80	0.00
53	T	Toluene	1.294	1.062	17.9	81	0.00
54	T	1,2-Dibromoethane	0.586	0.507	13.5	86	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
56		1,1,1,2-Tetrachloroethane	0.605	0.573	5.3	92	0.00
57	T	Chlorobenzene	1.040	0.930	10.6	86	0.00
58	T	Ethyl Benzene	1.981	1.743	12.0	84	0.00
59	T	m/p-Xylene	1.596	1.426	10.7	86	0.00
60	T	o-Xylene	1.607	1.459	9.2	89	0.00
61	T	Styrene	0.767	0.649	15.4	79	0.00
62		Isopropylbenzene	2.360	2.105	10.8	85	0.00
63	T	1,1,2,2-Tetrachloroethane	1.042	0.842	19.2	85	0.00
64		n-propylbenzene	0.593	0.519	12.5	84	0.00
65		tert-Butylbenzene	2.169	1.920	11.5	88	0.00
66	T	Benzyl Chloride	0.238	0.192	19.3	69	0.00
67		sec-Butylbenzene	3.017	2.685	11.0	89	0.00
68	S	1-Bromo-4-Fluorobenzene	0.822	0.882	-7.3	93	0.00
69		p-Isopropyltoluene	2.621	2.303	12.1	88	0.00
70		n-Butylbenzene	2.730	2.423	11.2	90	0.00
71		2-Chlorotoluene	1.851	1.660	10.3	86	0.00
72	T	4-Ethyltoluene	1.965	1.755	10.7	87	0.00
73	T	1,3,5-Trimethylbenzene	1.735	1.518	12.5	88	0.00
74	T	1,2,4-Trimethylbenzene	2.026	1.690	16.6	89	0.00
75	T	1,3-Dichlorobenzene	1.053	0.888	15.7	82	0.00
76	T	1,4-Dichlorobenzene	1.059	0.894	15.6	83	0.00
77	T	1,2-Dichlorobenzene	1.024	0.875	14.6	85	0.00
78	T	Hexachloro-1,3-Butadiene	1.034	0.828	19.9	84	0.00
79	T	Naphthalene	2.423	1.920	20.8	84	0.00
80	T	Naphthalene,2-methyl-	1.381	1.023	25.9	81	0.00
81	T	1,2,4-Trichlorobenzene	1.040	0.844	18.8	82	0.00

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

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042395.D
Acq On : 21 Apr 2025 08:41
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 22 02:50:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	10.000	10.253	-2.5	103	0.00
3		Chlorodifluoromethane	10.000	8.652	13.5	87	0.00
4		Chloromethane	10.000	9.455	5.4	96	0.00
5	T	Vinyl Chloride	10.000	8.736	12.6	98	0.00
6	T	Bromomethane	10.000	9.484	5.2	96	0.00
7		Chloroethane	10.000	9.806	1.9	101	0.00
8	T	Dichlorotetrafluoroethane	10.000	10.155	-1.5	101	0.00
9	T	Propene	10.000	7.422	25.8	78	0.00
10	T	Heptane	10.000	7.026	29.7	76	0.00
11	T	Trichlorofluoromethane	10.000	10.328	-3.3	104	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.515	4.8	96	0.00
13		Ethanol	10.000	3.130	68.7#	102	0.00
14	T	Bromoethene	10.000	9.680	3.2	96	0.00
15	T	Acetone	10.000	8.675	13.2	106	0.00
16	T	1,3-Butadiene	10.000	8.762	12.4	99	0.00
17		tert-Butyl alcohol	10.000	9.218	7.8	98	0.00
18	T	1,1-Dichloroethene	10.000	9.244	7.6	96	0.00
19	T	Isopropyl Alcohol	10.000	9.126	8.7	95	0.00
20	T	Methylene Chloride	10.000	7.915	20.8	96	0.00
21	T	Allyl Chloride	10.000	9.056	9.4	99	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.192	8.1	95	0.00
23	T	Vinyl Acetate	10.000	7.306	26.9	82	0.00
24	T	1,1-Dichloroethane	10.000	9.405	6.0	96	0.00
25	T	Ethyl Acetate	10.000	8.211	17.9	85	0.00
26	T	Hexane	10.000	7.789	22.1	84	0.00
27	T	Carbon Disulfide	10.000	9.658	3.4	96	0.00
28	T	Methyl tert-Butyl Ether	10.000	8.414	15.9	90	0.00
29	T	Chloroform	10.000	9.502	5.0	96	0.00
30	T	Cyclohexane	10.000	8.095	19.0	81	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.051	9.5	91	0.00
32	T	1,1,1-Trichloroethane	10.000	9.284	7.2	100	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	91	0.00
34	T	2-Butanone	10.000	8.316	16.8	87	0.00
35	T	Carbon Tetrachloride	10.000	9.614	3.9	103	0.00
36	T	Benzene	10.000	8.420	15.8	83	0.00
37	T	1,2-Dichloroethane	10.000	10.206	-2.1	102	0.00
38	T	Trichloroethene	10.000	7.804	22.0	85	0.00
39	T	1,2-Dichloropropane	10.000	8.018	19.8	80	0.00
40	T	1,4-Dioxane	10.000	7.286	27.1	81	0.00
41	T	Tetrahydrofuran	10.000	7.701	23.0	79	0.00
42	T	Bromodichloromethane	10.000	9.800	2.0	95	0.00
43		Methyl Methacrylate	10.000	7.667	23.3	79	0.00
44	T	2,2,4-Trimethylpentane	10.000	8.138	18.6	81	-0.01
45	T	t-1,3-Dichloropropene	10.000	8.596	14.0	85	0.00
46	T	cis-1,3-Dichloropropene	10.000	8.595	14.0	84	0.00
47	T	1,1,2-Trichloroethane	10.000	8.711	12.9	87	0.00
48	T	Dibromochloromethane	10.000	9.476	5.2	92	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042395.D
Acq On : 21 Apr 2025 08:41
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 22 02:50:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	8.836	11.6	83	0.00
50	T	4-Methyl-2-Pentanone	10.000	7.314	26.9	81	0.00
51	T	2-Hexanone	10.000	6.590	34.1#	79	0.00
52	T	Tetrachloroethene	10.000	7.474	25.3	80	0.00
53	T	Toluene	10.000	8.206	17.9	81	0.00
54	T	1,2-Dibromoethane	10.000	8.654	13.5	86	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	88	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.468	5.3	92	0.00
57	T	Chlorobenzene	10.000	8.944	10.6	86	0.00
58	T	Ethyl Benzene	10.000	8.797	12.0	84	0.00
59	T	m/p-Xylene	20.000	17.868	10.7	86	0.00
60	T	o-Xylene	10.000	9.078	9.2	89	0.00
61	T	Styrene	10.000	8.454	15.5	79	0.00
62		Isopropylbenzene	10.000	8.920	10.8	85	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	8.085	19.1	85	0.00
64		n-propylbenzene	10.000	8.744	12.6	84	0.00
65		tert-Butylbenzene	10.000	8.853	11.5	88	0.00
66	T	Benzyl Chloride	10.000	8.061	19.4	69	0.00
67		sec-Butylbenzene	10.000	8.899	11.0	89	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.736	-7.4	93	0.00
69		p-Isopropyltoluene	10.000	8.789	12.1	88	0.00
70		n-Butylbenzene	10.000	8.877	11.2	90	0.00
71		2-Chlorotoluene	10.000	8.967	10.3	86	0.00
72	T	4-Ethyltoluene	10.000	8.929	10.7	87	0.00
73	T	1,3,5-Trimethylbenzene	10.000	8.752	12.5	88	0.00
74	T	1,2,4-Trimethylbenzene	10.000	8.340	16.6	89	0.00
75	T	1,3-Dichlorobenzene	10.000	8.436	15.6	82	0.00
76	T	1,4-Dichlorobenzene	10.000	8.445	15.5	83	0.00
77	T	1,2-Dichlorobenzene	10.000	8.548	14.5	85	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	8.002	20.0	84	0.00
79	T	Naphthalene	10.000	7.925	20.8	84	0.00
80	T	Naphthalene,2-methyl-	10.000	7.412	25.9	81	0.00
81	T	1,2,4-Trichlorobenzene	10.000	8.112	18.9	82	0.00

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

QC SAMPLE DATA

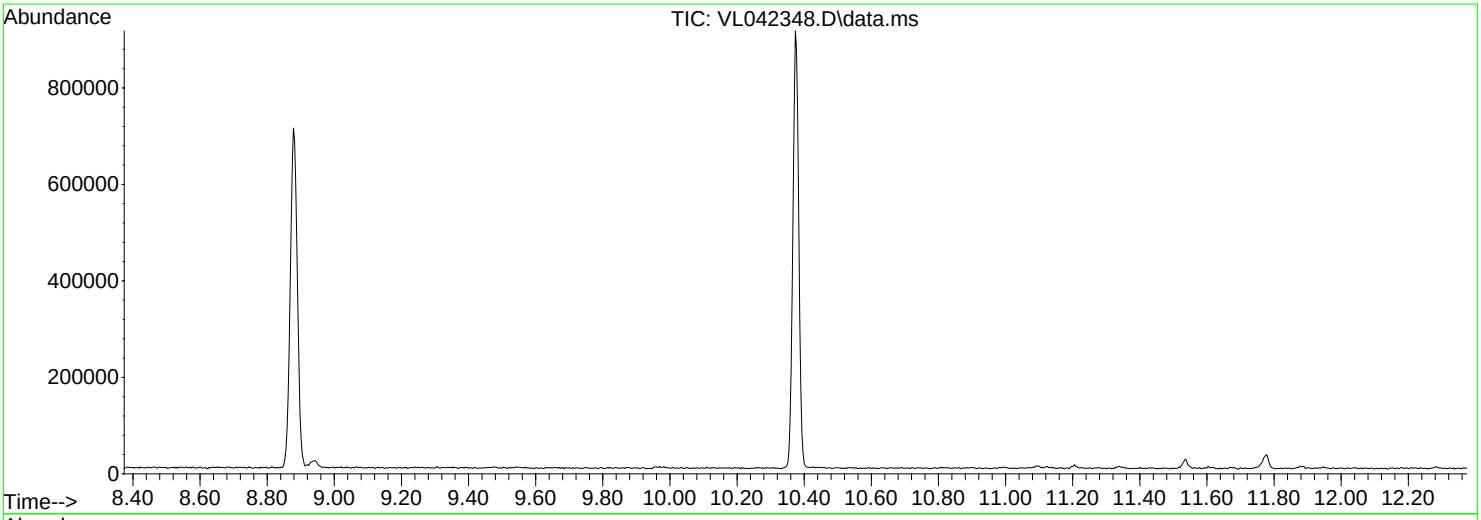
BFB

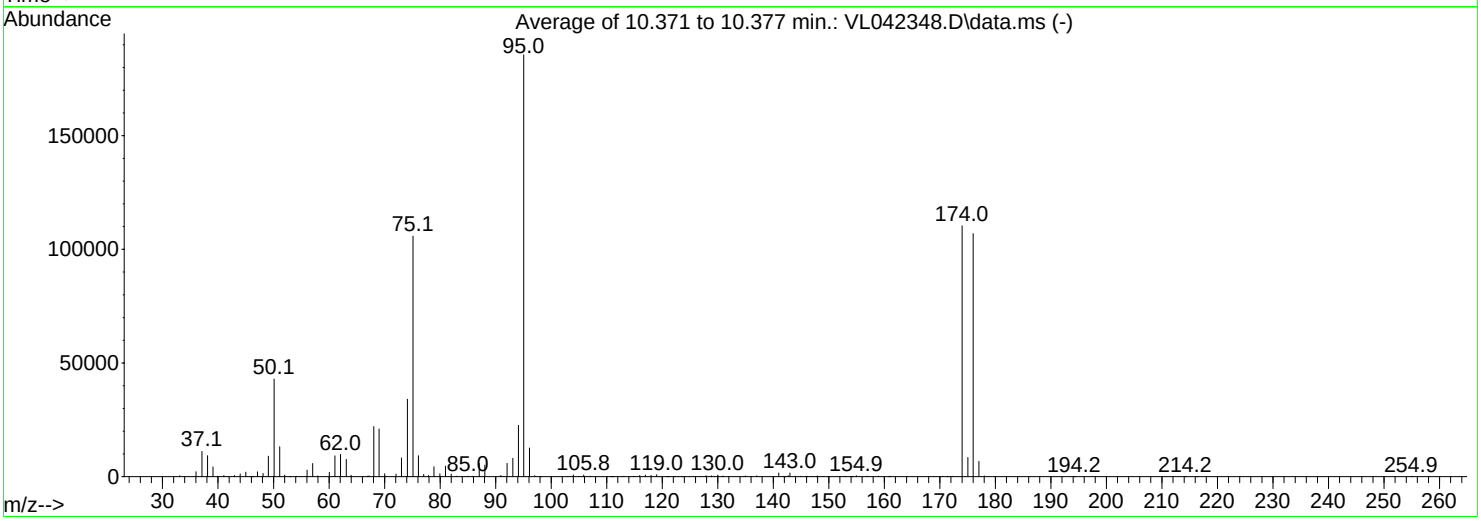
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042348.D
Acq On : 17 Apr 2025 07:50
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Apr 18 02:14:00 2025





AutoFind: Scans 3177, 3178, 3179; Background Corrected with Scan 3162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.1	42933	PASS
75	95	30	66	57.0	105781	PASS
95	95	100	100	100.0	185564	PASS
96	95	5	9	6.8	12627	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	59.5	110360	PASS
175	174	4	9	7.6	8420	PASS
176	174	93	101	96.9	106933	PASS
177	176	5	9	6.3	6744	PASS

Average of 10.371 to 10.377 min.: VL042348.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	400	45.00	1996	55.00	78	67.20	32
34.00	54	45.90	94	56.05	2900	68.05	2203
36.05	2214	46.20	34	57.05	5754	69.00	2101
37.10	11145	47.10	2100	57.95	265	70.00	130
38.10	9197	48.10	1438	60.05	1919	70.20	209
39.10	4289	49.05	9045	61.05	9155	72.05	1141
39.95	158	50.10	42933	62.05	9788	73.05	8240
41.05	513	51.10	13188	63.10	7593	74.10	34064
41.80	79	52.00	718	63.95	632	75.10	105781
42.95	504	52.95	9	66.10	115	76.10	9240
44.00	1207	54.15	112	66.90	196	77.05	979

Instrument :
MSVOA_L
ClientSampleId :
BFB

Average of 10.371 to 10.377 min.: VL042348.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.90	494	90.85	447	105.00	95	115.95	528
78.90	4344	91.10	262	105.85	680	116.95	712
79.95	1296	92.05	5876	107.00	225	118.00	575
80.95	4648	93.10	8069	110.10	136	119.00	881
82.00	1107	94.10	22619	110.80	37	120.10	70
83.00	249	95.05	185564	111.10	8	120.90	30
84.40	55	96.10	12627	111.95	156	121.30	47
85.00	227	97.05	457	112.75	77	122.20	21
85.85	131	98.05	5	113.10	144	122.95	44
87.05	5767	102.90	78	114.80	135	123.50	25
88.05	5057	104.00	767	115.10	50	124.10	89

Average of 10.371 to 10.377 min.: VL042348.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
124.90	71	137.05	364	146.15	158	153.90	93
125.75	72	139.65	74	146.65	58	154.20	27
126.90	80	140.00	38	147.10	68	154.95	399
127.80	297	141.00	1612	147.70	38	156.90	228
128.00	275	141.80	139	148.00	288	158.95	203
128.85	366	142.10	34	148.95	115	160.80	26
130.00	693	142.70	434	149.80	37	161.05	186
130.80	55	143.00	1656	149.95	79	168.90	83
130.95	285	143.95	200	151.90	60	170.50	119
134.70	94	144.95	161	152.75	91	171.30	19
135.00	292	145.80	67	153.05	144	171.90	90

Average of 10.371 to 10.377 min.: VL042348.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
172.30	132						
174.00	110360						
175.05	8420						
176.00	106933						
177.05	6744						
178.05	298						
194.20	17						
214.20	17						
216.30	17						
254.90	17						

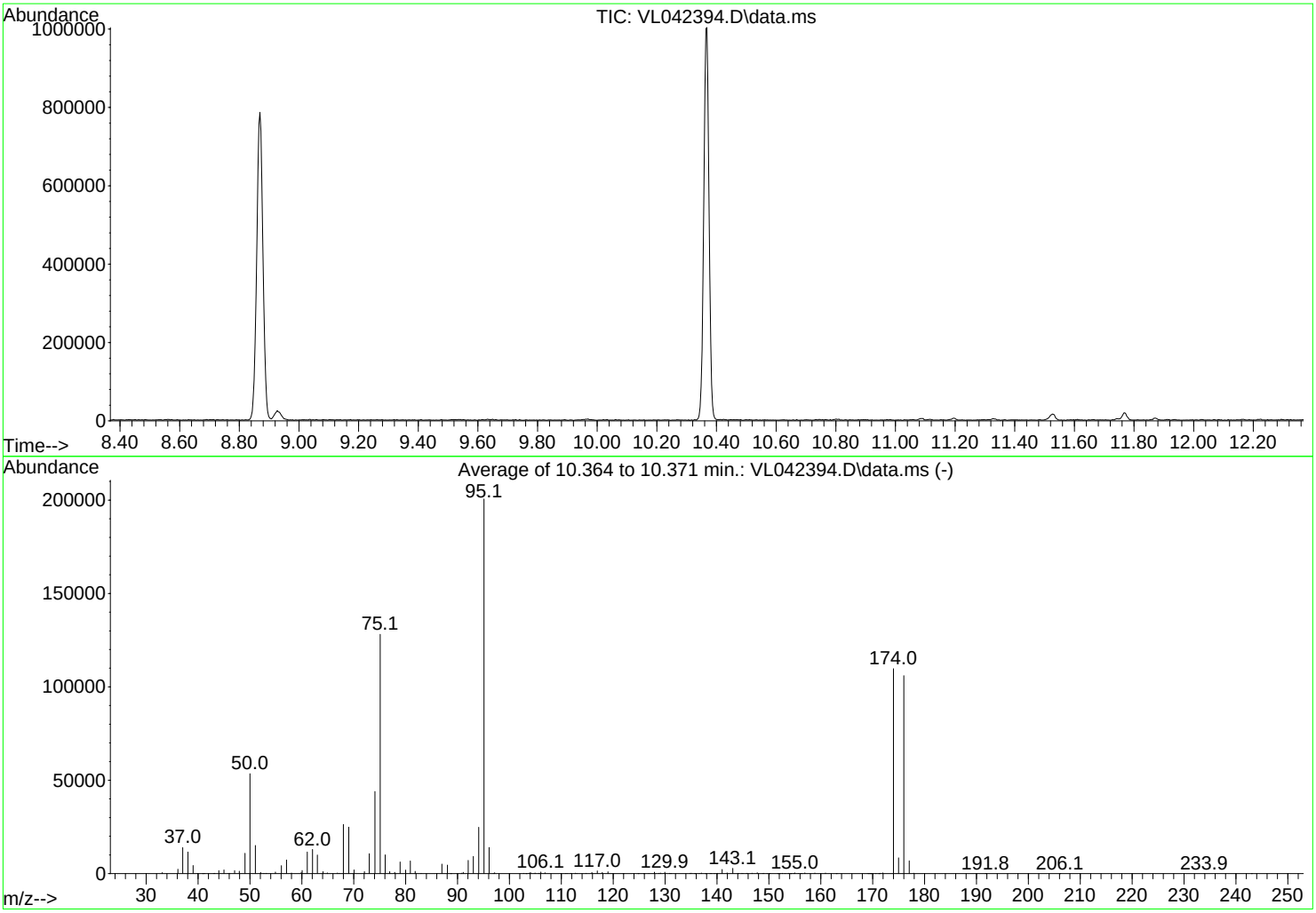
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042394.D
Acq On : 21 Apr 2025 07:58
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Apr 18 02:14:00 2025



AutoFind: Scans 3175, 3176, 3177; Background Corrected with Scan 3159

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.7	53502	PASS
75	95	30	66	63.9	128181	PASS
95	95	100	100	100.0	200597	PASS
96	95	5	9	7.0	13990	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	54.7	109757	PASS
175	174	4	9	7.7	8464	PASS
176	174	93	101	96.6	106032	PASS
177	176	5	9	6.4	6826	PASS

Average of 10.364 to 10.371 min.: VL042394.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	518	45.00	2010	54.90	832	66.85	30
36.10	2394	45.85	194	56.05	4237	67.20	16
37.05	13953	46.10	197	57.05	7329	68.00	2631
38.05	11556	47.05	1570	58.00	328	69.05	2485
39.05	4320	47.95	1283	59.90	593	70.05	2000
39.90	57	49.05	10899	60.05	1702	72.05	1049
40.90	31	50.00	53502	61.05	11547	73.00	10643
41.30	48	51.05	15046	62.05	12934	74.10	44016
43.00	64	52.05	608	63.00	9941	75.10	128181
43.20	184	52.70	76	64.10	1108	76.05	10068
44.00	1632	53.15	138	64.90	355	76.95	1033

Instrument :
MSVOA_L
ClientSampleId :
BFB

Average of 10.364 to 10.371 min.: VL042394.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.90	700	91.10	697	104.05	598	114.80	178
78.95	6226	92.05	7067	104.95	278	115.90	632
80.00	1878	93.05	9194	105.70	188	116.95	1450
80.90	6765	94.10	24813	106.05	831	117.90	579
81.85	1186	95.10	200597	106.85	467	119.00	1019
83.00	184	96.10	13990	109.95	82	121.90	17
86.05	106	96.90	128	110.85	113	124.00	56
87.00	5101	97.15	433	111.10	91	124.80	25
88.05	4600	102.75	176	111.85	167	125.90	42
88.70	40	103.20	26	112.75	225	126.85	64
90.80	235	103.80	263	113.00	54	127.95	770

Average of 10.364 to 10.371 min.: VL042394.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
128.80	183	137.80	21	145.00	70	152.60	135
129.10	275	138.70	105	145.70	127	153.10	56
129.95	780	138.90	54	145.85	120	153.80	154
130.85	125	139.55	52	146.75	211	154.20	31
131.00	55	140.05	163	147.75	498	154.80	81
131.20	65	141.00	2199	148.80	55	155.00	397
134.80	172	141.95	402	149.05	129	155.70	99
135.05	261	143.05	2809	149.65	112	156.20	25
135.70	20	144.00	151	150.10	20	156.95	371
136.60	73	144.20	61	151.70	27	158.85	322
137.00	333	144.80	162	152.00	33	160.90	347

Average of 10.364 to 10.371 min.: VL042394.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
163.00	37	176.00	106032				
169.00	59	177.05	6826				
169.20	38	177.90	242				
169.50	29	191.75	41				
169.70	25	206.10	24				
170.65	116	233.90	67				
171.20	28	243.00	24				
171.45	164						
171.95	381						
174.00	109757						
175.00	8464						

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Fax : 908 789 8922

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0421ABL01	SDG No.:	Q1801
Lab Sample ID:	VL0421ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042396.D	1		04/21/25 09:28	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.21	1.04	U	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.16	0.90	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	0.24	0.57	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.19	0.66	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.12	0.35	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.010	0.060	U	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.090	0.29	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.11	0.41	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0421ABL01	SDG No.:	Q1801
Lab Sample ID:	VL0421ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042396.D	1		04/21/25 09:28	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.11	0.39	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.5			65 - 135	105%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	120000		2.784			
540-36-3	1,4-Difluorobenzene	342000		3.952			
3114-55-4	Chlorobenzene-d5	294000		8.878			

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Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0421ABL01	SDG No.:	Q1801
Lab Sample ID:	VL0421ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042396.D	1		04/21/25 09:28	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042396.D
Acq On : 21 Apr 2025 09:28
Operator : SY/MD
Sample : VL0421ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABL01

Quant Time: Apr 22 02:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

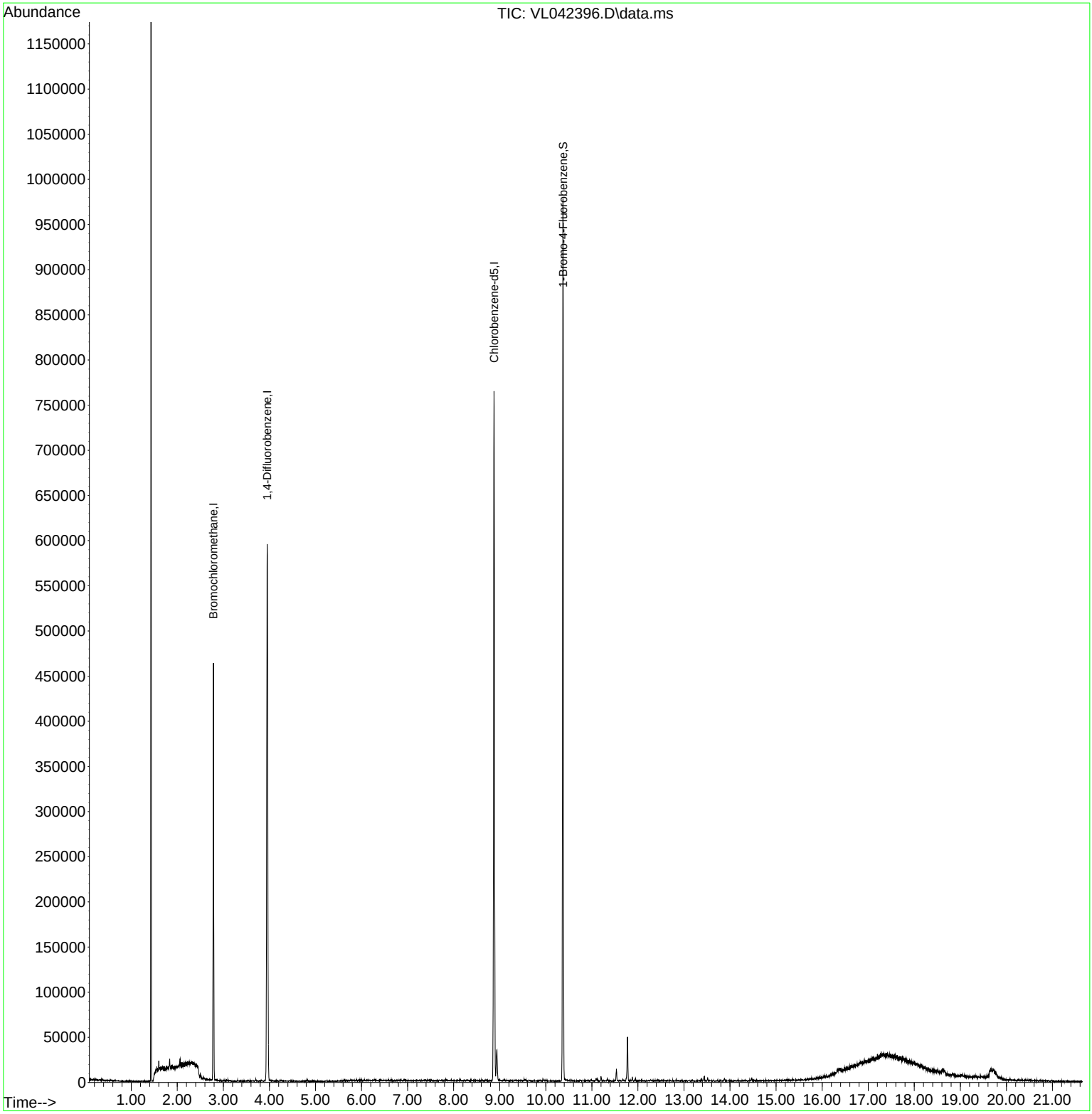
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	120411	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	341628	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	293743	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	252683	10.468	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.700%			
Target Compounds						Qvalue

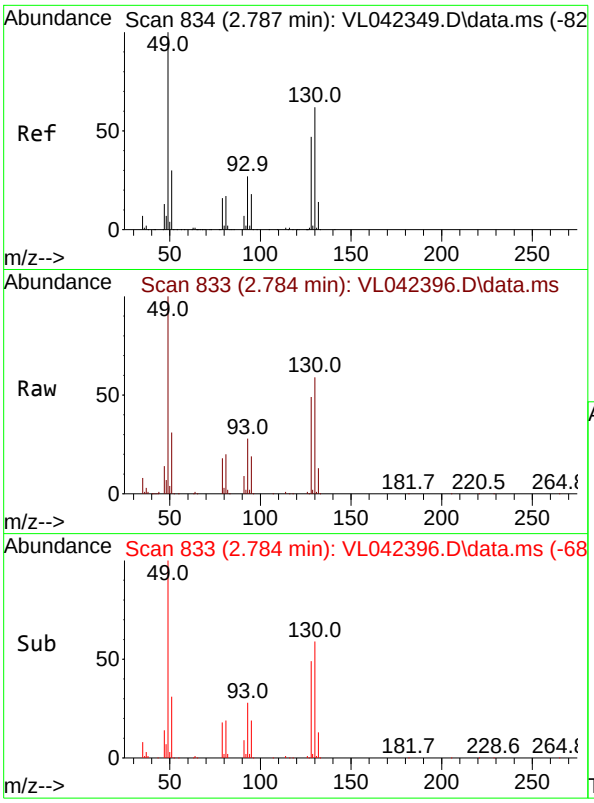
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042396.D
Acq On : 21 Apr 2025 09:28
Operator : SY/MD
Sample : VL0421ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABL01

Quant Time: Apr 22 02:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



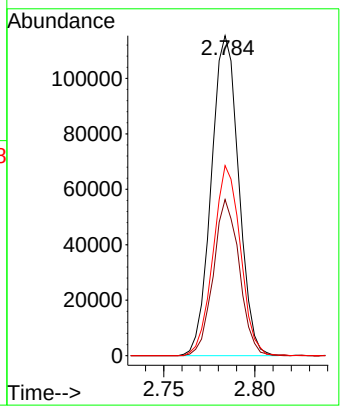


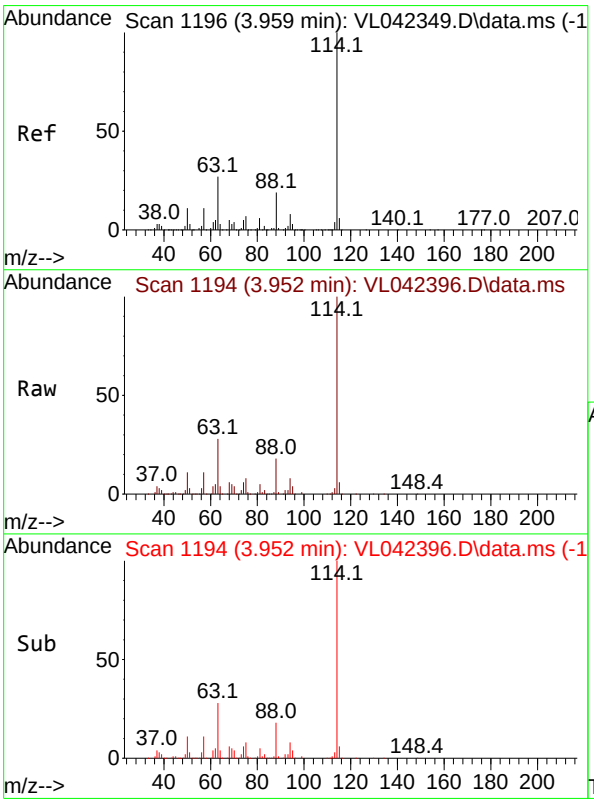
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABL01

Tgt Ion: 49 Resp: 120411

Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.8	68.4
130	59.3	29.3	88.0

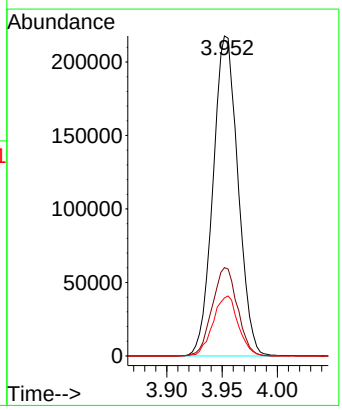


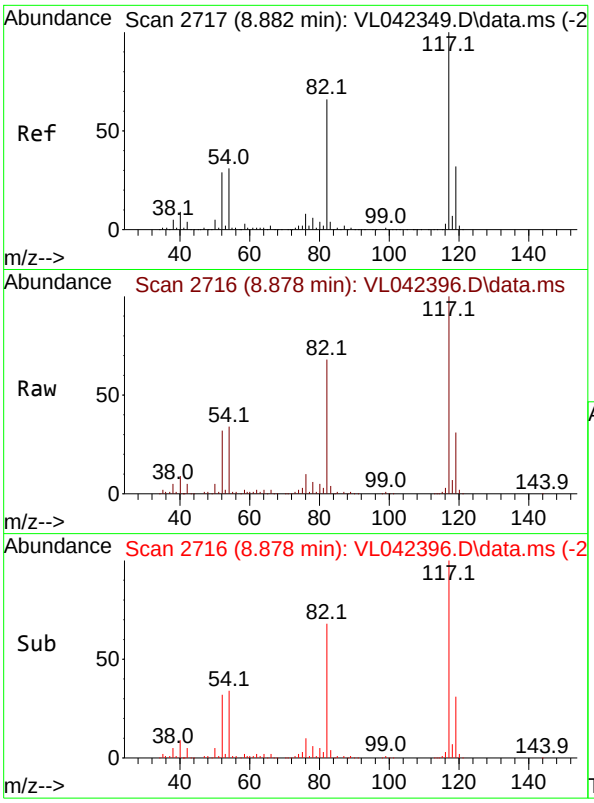


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.007 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

Tgt Ion:114 Resp: 341628

Ion	Ratio	Lower	Upper
114	100		
63	27.9	21.8	32.6
88	19.0	15.5	23.3



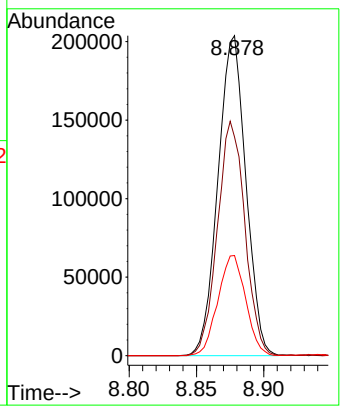


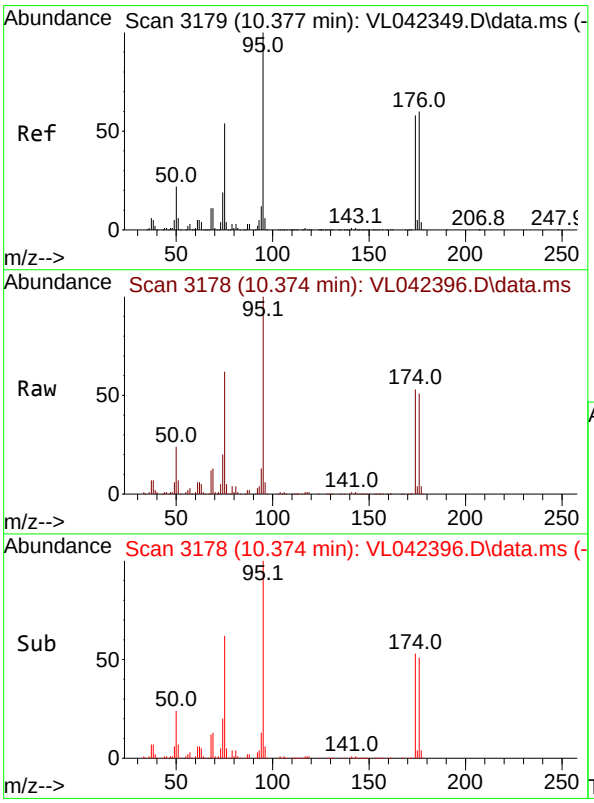
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABL01

Tgt Ion:117 Resp: 293743

Ion	Ratio	Lower	Upper
117	100		
82	72.2	57.8	86.6
119	31.3	25.2	37.8

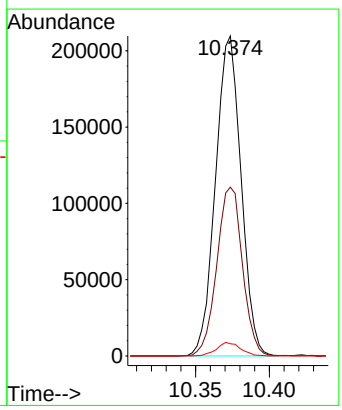




#68
1-Bromo-4-Fluorobenzene
Concen: 10.468 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

Tgt Ion: 95 Resp: 252683

Ion	Ratio	Lower	Upper
95	100		
174	53.1	48.5	72.7
175	4.0	3.7	5.5



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Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0421ABS01	SDG No.:	Q1801
Lab Sample ID:	VL0421ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042397.D	1		04/21/25 10:14	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.2	50.4		1.04	2.47	ug/m3
74-87-3	Chloromethane	9.60	19.8		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	8.60	22.0		0.030	0.080	ug/m3
74-83-9	Bromomethane	9.10	35.3		0.54	1.94	ug/m3
75-00-3	Chloroethane	9.50	25.1		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	7.80	23.0		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	10.3	57.9		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.60	73.6		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	10.1	70.6		0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	9.00	27.3		0.58	1.52	ug/m3
142-82-5	Heptane	7.30	29.9		0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	9.40	37.3		0.56	1.98	ug/m3
67-64-1	Acetone	8.70	20.7		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	9.40	29.3		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.50	30.6		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	8.00	27.8		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.10	36.1		0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	9.60	38.9		0.53	2.02	ug/m3
110-82-7	Cyclohexane	8.50	29.3		0.76	1.72	ug/m3
78-93-3	2-Butanone	8.30	24.5		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	9.50	59.8		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.10	36.1		0.36	1.98	ug/m3
67-66-3	Chloroform	9.60	46.9		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.30	50.7		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	8.10	37.8		0.47	2.34	ug/m3
71-43-2	Benzene	8.60	27.5		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	10.3	41.7		0.36	2.02	ug/m3
79-01-6	Trichloroethene	7.80	41.9		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	8.30	38.4		0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	9.70	65.0		0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	7.20	29.5		0.37	2.05	ug/m3
108-88-3	Toluene	8.30	31.3		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	8.50	38.6		0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	8.30	37.7		0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	9.00	49.1		0.38	2.73	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0421ABS01	SDG No.:	Q1801
Lab Sample ID:	VL0421ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042397.D	1		04/21/25 10:14	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	9.20	78.4		0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	8.90	68.4		0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	7.40	50.2		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	8.90	41.0		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	9.00	39.1		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	18.2	79.0		0.91	4.34	ug/m3
95-47-6	o-Xylene	9.20	40.0		0.52	2.17	ug/m3
100-42-5	Styrene	8.60	36.6		0.47	2.13	ug/m3
75-25-2	Bromoform	8.80	91.0		0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	8.40	57.7		0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	9.20	47.6		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	9.00	44.3		0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	8.60	42.3		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	8.70	52.3		0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	8.60	51.7		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	8.70	52.3		0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	8.50	63.1		0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	8.50	90.7		0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	9.00	19.9		0.29	1.11	ug/m3
91-20-3	Naphthalene	8.20	43.0		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	9.00	44.3		0.59	2.46	ug/m3
110-54-3	Hexane	7.80	27.5		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	9.10	28.5		0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	7.40	26.7		0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	7.70	31.5		0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135	108%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	118000		2.781			
540-36-3	1,4-Difluorobenzene	338000		3.949			
3114-55-4	Chlorobenzene-d5	294000		8.875			

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Fax : 908 789 8922

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0421ABS01	SDG No.:	Q1801
Lab Sample ID:	VL0421ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042397.D	1		04/21/25 10:14	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042397.D
Acq On : 21 Apr 2025 10:14
Operator : SY/MD
Sample : VL0421ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:51:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	118401	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	337921	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	293537	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	260048	10.781	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	212503	10.158	ppbv	98
3) Chlorodifluoromethane	1.473	51	175535	8.812	ppbv	95
4) Chloromethane	1.531	50	79791	9.638	ppbv	94
5) Vinyl Chloride	1.577	62	77905	8.645	ppbv	97
6) Bromomethane	1.664	94	35087	9.064	ppbv	87
7) Chloroethane	1.700	64	30814	9.455	ppbv	96
8) Dichlorotetrafluoroethane	1.551	85	182258	10.147	ppbv	94
9) Propene	1.480	41	69080	7.615	ppbv	97
10) Heptane	4.969	43	187072	7.340	ppbv	99
11) Trichlorofluoromethane	1.875	101	205641	10.337	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.133	101	156363	9.613	ppbv	98
13) Ethanol	1.716	45	4602	3.192	ppbv	92
14) Bromoethene	1.777	108	58938	9.613	ppbv	98
15) Acetone	1.832	43	168065	8.671	ppbv	98
16) 1,3-Butadiene	1.606	39	83577	9.015	ppbv	92
17) tert-Butyl alcohol	2.036	59	216440	9.011	ppbv	100
18) 1,1-Dichloroethene	2.030	96	71097	9.356	ppbv	95
19) Isopropyl Alcohol	1.881	45	96437	8.956	ppbv	93
20) Methylene Chloride	2.056	84	60417	7.959	ppbv	89
21) Allyl Chloride	2.091	41	122313	9.140	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	78976	9.128	ppbv	98
23) Vinyl Acetate	2.457	43	54610	6.961	ppbv #	96
24) 1,1-Dichloroethane	2.402	63	157093	9.559	ppbv	99
25) Ethyl Acetate	2.829	43	393203	8.228	ppbv	99
26) Hexane	2.820	57	151103	7.813	ppbv	99
27) Carbon Disulfide	2.146	76	194719	9.404	ppbv	98
28) Methyl tert-Butyl Ether	2.434	73	108007	8.524	ppbv	93
29) Chloroform	2.842	83	262639	9.608	ppbv	98
30) Cyclohexane	3.846	84	133153	8.517	ppbv	98
31) cis-1,2-Dichloroethene	2.713	61	166447	9.052	ppbv	95
32) 1,1,1-Trichloroethane	3.360	97	285156	9.266	ppbv	98
34) 2-Butanone	2.554	43	220966	8.268	ppbv	98
35) Carbon Tetrachloride	3.755	117	291941	9.546	ppbv	95
36) Benzene	3.648	78	312290	8.568	ppbv	97
37) 1,2-Dichloroethane	3.211	62	225346	10.301	ppbv #	96
38) Trichloroethene	4.542	130	123977	7.783	ppbv	98
39) 1,2-Dichloropropane	4.305	63	112058	8.250	ppbv #	90
40) 1,4-Dioxane	4.571	88	55511	7.437	ppbv #	93
41) Tetrahydrofuran	3.046	42	121497	7.797	ppbv	99
42) Bromodichloromethane	4.480	83	294127	9.661	ppbv	98
43) Methyl Methacrylate	4.872	69	125779	7.657	ppbv	93
44) 2,2,4-Trimethylpentane	4.629	57	508984	8.085	ppbv	95
45) t-1,3-Dichloropropene	6.399	75	142114	8.469	ppbv	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042397.D
Acq On : 21 Apr 2025 10:14
Operator : SY/MD
Sample : VL0421ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 02:51:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.590	75	171445	8.348	ppbv	#	84
47)	1,1,2-Trichloroethane	6.574	97	124092	8.967	ppbv		95
48)	Dibromochloromethane	7.377	129	225553	9.226	ppbv		99
49)	Bromoform	9.474	173	188764	8.830	ppbv		100
50)	4-Methyl-2-Pentanone	5.739	43	318982	7.182	ppbv		99
51)	2-Hexanone	7.429	43	266951	6.702	ppbv	#	95
52)	Tetrachloroethene	8.222	164	104899	7.446	ppbv		97
53)	Toluene	6.920	91	361443	8.264	ppbv		99
54)	1,2-Dibromoethane	7.645	107	175799	8.877	ppbv		94
56)	1,1,1,2-Tetrachloroethane	8.917	131	169656	9.550	ppbv		97
57)	Chlorobenzene	8.914	112	270733	8.868	ppbv		98
58)	Ethyl Benzene	9.348	91	524070	9.011	ppbv		100
59)	m/p-Xylene	9.545	91	852193m	18.189	ppbv		
60)	o-Xylene	9.956	91	433062	9.179	ppbv		97
61)	Styrene	9.866	104	194756	8.648	ppbv		98
62)	Isopropylbenzene	10.533	105	641535	9.262	ppbv		97
63)	1,1,2,2-Tetrachloroethane	9.956	83	257428	8.420	ppbv		99
64)	n-propylbenzene	10.982	120	155343	8.922	ppbv		96
65)	tert-Butylbenzene	11.526	119	573929	9.015	ppbv		96
66)	Benzyl Chloride	11.610	91	51025	7.294	ppbv		97
67)	sec-Butylbenzene	11.762	105	802355	9.061	ppbv		99
69)	p-Isopropyltoluene	11.921	119	685449	8.910	ppbv		97
70)	n-Butylbenzene	12.277	91	723138	9.025	ppbv		98
71)	2-Chlorotoluene	10.895	91	500409	9.211	ppbv		97
72)	4-Ethyltoluene	11.122	105	519236	9.002	ppbv		98
73)	1,3,5-Trimethylbenzene	11.199	105	456404	8.963	ppbv		96
74)	1,2,4-Trimethylbenzene	11.533	105	509154	8.561	ppbv		91
75)	1,3-Dichlorobenzene	11.604	146	267483	8.652	ppbv		98
76)	1,4-Dichlorobenzene	11.669	146	267283	8.602	ppbv		98
77)	1,2-Dichlorobenzene	11.944	146	261316	8.693	ppbv		97
78)	Hexachloro-1,3-Butadiene	13.879	225	259140	8.537	ppbv		99
79)	Naphthalene	13.510	128	584987	8.225	ppbv		99
80)	Naphthalene,2-methyl-	14.455	142	300148	7.405	ppbv		96
81)	1,2,4-Trichlorobenzene	13.436	180	258107	8.452	ppbv		99

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

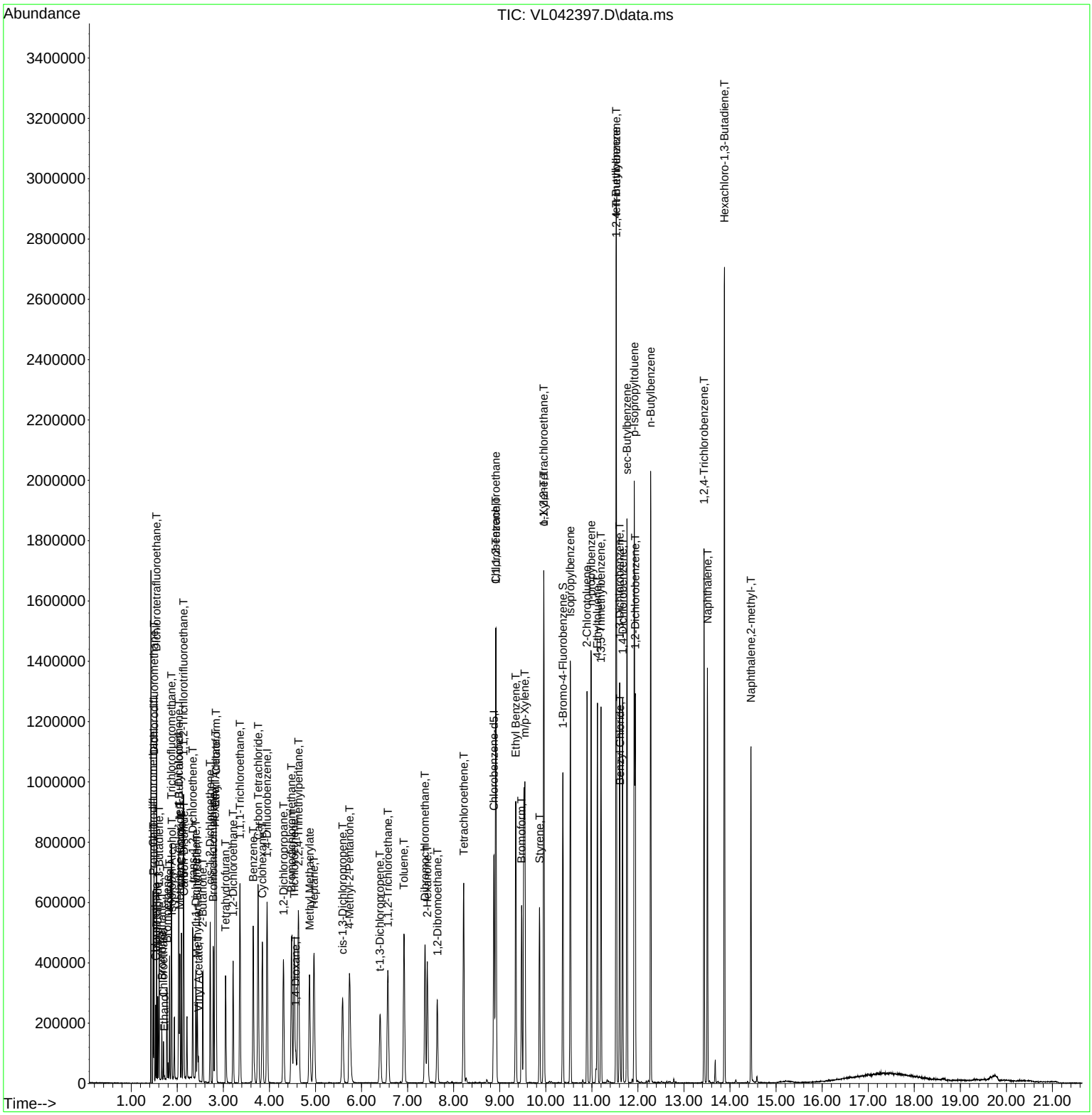
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042397.D
Acq On : 21 Apr 2025 10:14
Operator : SY/MD
Sample : VL0421ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 02:51:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



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Manual Integration Report

Sequence:	vl041725	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042349.D	m/p-Xylene	SAM	4/18/2025 4:19:07 PM	MMDadoda	4/18/2025 10:45:20 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	1,4-Dioxane	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	Ethanol	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	Heptane	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	m/p-Xylene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	Trichloroethene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	1,1,2-Trichloroethane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	1,3-Butadiene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	1,4-Dioxane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	2,2,4-Trimethylpentane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	Cyclohexane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vl041725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VL042351.D	Ethanol	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	Heptane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	m/p-Xylene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	Methyl Methacrylate	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	t-1,3-Dichloropropene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	1,1,2-Trichloroethane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	1,2-Dichloropropane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	1,4-Dioxane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	4-Methyl-2-Pentanone	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Chlorobenzene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Ethanol	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Heptane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vl041725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL042352.D	m/p-Xylene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Methyl Methacrylate	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	t-1,3-Dichloropropene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Tetrahydrofuran	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	1,1,1-Trichloroethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	1,1,2,2-Tetrachloroethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	1,2-Dibromoethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	Tetrachloroethene	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	Trichloroethene	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	1,1,1-Trichloroethane	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	1,1,2,2-Tetrachloroethane	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	Carbon Tetrachloride	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	Tetrachloroethene	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vl041725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.03	VL042354.D	Trichloroethene	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC015	VL042355.D	m/p-Xylene	SAM	4/18/2025 4:21:35 PM	MMDadoda	4/18/2025 10:44:59 PM	Peak Integrated by Software
VSTDICV010	VL042356.D	m/p-Xylene	SAM	4/18/2025 4:20:42 PM	MMDadoda	4/18/2025 10:44:57 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VL042125	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042395.D	m/p-Xylene	SAM	4/22/2025 9:07:15 AM	MMDadoda	4/22/2025 1:59:41 PM	Peak Integrated by Software
VL0421ABS01	VL042397.D	m/p-Xylene	SAM	4/22/2025 9:07:22 AM	MMDadoda	4/22/2025 1:59:43 PM	Peak Integrated by Software
Q1801-01	VL042400.D	Ethanol	SAM	4/22/2025 9:07:29 AM	MMDadoda	4/22/2025 1:59:45 PM	Peak Integrated by Software
Q1801-01	VL042400.D	Heptane	SAM	4/22/2025 9:07:29 AM	MMDadoda	4/22/2025 1:59:45 PM	Peak Integrated by Software
Q1801-01	VL042400.D	m/p-Xylene	SAM	4/22/2025 9:07:29 AM	MMDadoda	4/22/2025 1:59:45 PM	Peak Integrated by Software
Q1801-02	VL042401.D	m/p-Xylene	SAM	4/22/2025 9:07:35 AM	MMDadoda	4/22/2025 1:59:47 PM	Peak Integrated by Software
Q1801-02	VL042401.D	Toluene	SAM	4/22/2025 9:07:35 AM	MMDadoda	4/22/2025 1:59:47 PM	Peak Integrated by Software
Q1844-02DUP	VL042403.D	Carbon Tetrachloride	SAM	4/22/2025 9:08:05 AM	MMDadoda	4/22/2025 1:59:51 PM	Peak Integrated by Software
Q1844-02DUP	VL042403.D	Cyclohexane	SAM	4/22/2025 9:08:05 AM	MMDadoda	4/22/2025 1:59:51 PM	Peak Integrated by Software
Q1844-02DUP	VL042403.D	Heptane	SAM	4/22/2025 9:08:05 AM	MMDadoda	4/22/2025 1:59:51 PM	Peak Integrated by Software
Q1844-02DUP	VL042403.D	m/p-Xylene	SAM	4/22/2025 9:08:05 AM	MMDadoda	4/22/2025 1:59:51 PM	Peak Integrated by Software
Q1844-02DUP	VL042403.D	Propene	SAM	4/22/2025 9:08:05 AM	MMDadoda	4/22/2025 1:59:51 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VL042125	Instrument	MSVOA_I

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

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/18/2025 10:46:12 PM				
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M		HP Processing Method	VL041725AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2590
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2590
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042348.D	17 Apr 2025 07:50	SY/MD	Ok
2	VSTDICCC010	VL042349.D	17 Apr 2025 09:44	SY/MD	Ok,M
3	VSTDICC002	VL042350.D	17 Apr 2025 10:17	SY/MD	Ok,M
4	VSTDICC001	VL042351.D	17 Apr 2025 10:48	SY/MD	Ok,M
5	VSTDICC0.5	VL042352.D	17 Apr 2025 11:19	SY/MD	Ok,M
6	VSTDICC0.1	VL042353.D	17 Apr 2025 11:50	SY/MD	Ok,M
7	VSTDICC0.03	VL042354.D	17 Apr 2025 12:22	SY/MD	Ok,M
8	VSTDICC015	VL042355.D	17 Apr 2025 12:54	SY/MD	Ok,M
9	VSTDICV010	VL042356.D	17 Apr 2025 13:43	SY/MD	Ok,M
10	VL0417ABL01	VL042357.D	17 Apr 2025 14:23	SY/MD	Ok
11	VL0417ABS01	VL042358.D	17 Apr 2025 15:39	SY/MD	Ok,M
12	Q1665-15	VL042359.D	17 Apr 2025 16:12	SY/MD	Dilution
13	Q1665-15DL	VL042360.D	17 Apr 2025 16:44	SY/MD	Ok,M
14	Q1668-01	VL042361.D	17 Apr 2025 17:17	SY/MD	Dilution
15	Q1668-01DUP	VL042362.D	17 Apr 2025 17:51	SY/MD	Ok,M
16	Q1668-03	VL042363.D	17 Apr 2025 18:24	SY/MD	Dilution
17	Q1668-04	VL042364.D	17 Apr 2025 18:58	SY/MD	Ok,M
18	Q1668-02	VL042365.D	17 Apr 2025 19:31	SY/MD	Ok,M
19	Q1726-01	VL042366.D	17 Apr 2025 20:05	SY/MD	Dilution
20	Q1726-02	VL042367.D	17 Apr 2025 20:38	SY/MD	Dilution
21	Q1726-03	VL042368.D	17 Apr 2025 21:12	SY/MD	Dilution

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/18/2025 10:46:12 PM		
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2590
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2590
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1726-04	VL042369.D	17 Apr 2025 21:45	SY/MD	Dilution
23	Q1726-05	VL042370.D	17 Apr 2025 22:19	SY/MD	Dilution
24	Q1726-06	VL042371.D	17 Apr 2025 22:52	SY/MD	Dilution
25	Q1726-07	VL042372.D	17 Apr 2025 23:26	SY/MD	Dilution
26	Q1726-07DL	VL042373.D	17 Apr 2025 23:57	SY/MD	Dilution
27	Q1668-01DL	VL042374.D	18 Apr 2025 00:28	SY/MD	Ok,M
28	Q1668-03DL	VL042375.D	18 Apr 2025 00:59	SY/MD	Ok,M
29	Q1726-01DL	VL042376.D	18 Apr 2025 01:30	SY/MD	Dilution
30	Q1726-02DL	VL042377.D	18 Apr 2025 02:01	SY/MD	Dilution
31	Q1726-03DL	VL042378.D	18 Apr 2025 02:32	SY/MD	Dilution
32	Q1726-04DL	VL042379.D	18 Apr 2025 03:03	SY/MD	Dilution
33	Q1726-05DL	VL042380.D	18 Apr 2025 03:34	SY/MD	Dilution
34	Q1726-06DL	VL042381.D	18 Apr 2025 04:05	SY/MD	Dilution

M : Manual Integration

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 9:39:52 AM				
Supervise By	Mahesh Dadoda	Supervise On	4/22/2025 2:00:33 PM				
SubDirectory	VL042125	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042394.D	21 Apr 2025 07:58	SY/MD	Ok
2	VSTDCCC010	VL042395.D	21 Apr 2025 08:41	SY/MD	Ok,M
3	VL0421ABL01	VL042396.D	21 Apr 2025 09:28	SY/MD	Ok
4	VL0421ABS01	VL042397.D	21 Apr 2025 10:14	SY/MD	Ok,M
5	QC041625 CAN 10329	VL042398.D	21 Apr 2025 11:04	SY/MD	Not Ok
6	QC041625 CAN 10329	VL042399.D	21 Apr 2025 11:36	SY/MD	Ok
7	Q1801-01	VL042400.D	21 Apr 2025 12:07	SY/MD	Ok,M
8	Q1801-02	VL042401.D	21 Apr 2025 12:51	SY/MD	Ok,M
9	Q1844-02	VL042402.D	21 Apr 2025 13:38	SY/MD	Dilution
10	Q1844-02DUP	VL042403.D	21 Apr 2025 14:13	SY/MD	Ok,M
11	Q1844-02DL	VL042404.D	21 Apr 2025 14:44	SY/MD	Ok,M
12	Q1843-02	VL042405.D	21 Apr 2025 15:18	SY/MD	Ok,M
13	Q1843-02DL	VL042406.D	21 Apr 2025 15:49	SY/MD	Not Ok
14	Q1844-01	VL042407.D	21 Apr 2025 16:20	SY/MD	Dilution
15	Q1844-01DL	VL042408.D	21 Apr 2025 16:51	SY/MD	Dilution
16	Q1843-01	VL042409.D	21 Apr 2025 17:23	SY/MD	Ok,M
17	Q1843-01DL	VL042410.D	21 Apr 2025 17:54	SY/MD	Not Ok
18	Q1843-01DUP	VL042411.D	21 Apr 2025 19:16	SY/MD	Ok,M
19	QC041725 CA 27806	VL042412.D	21 Apr 2025 19:47	SY/MD	Not Ok
20	QC041725 CA 27806	VL042413.D	21 Apr 2025 20:18	SY/MD	Ok
21	Q1844-01DL2	VL042414.D	22 Apr 2025 07:47	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/18/2025 10:46:12 PM		
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2590
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2590
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042348.D	17 Apr 2025 07:50		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042349.D	17 Apr 2025 09:44		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042350.D	17 Apr 2025 10:17		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042351.D	17 Apr 2025 10:48		SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042352.D	17 Apr 2025 11:19		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042353.D	17 Apr 2025 11:50		SY/MD	Ok,M
7	VSTDICC0.03	VSTDICC0.03	VL042354.D	17 Apr 2025 12:22		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042355.D	17 Apr 2025 12:54		SY/MD	Ok,M
9	VSTDICV010	ICVVL041725	VL042356.D	17 Apr 2025 13:43		SY/MD	Ok,M
10	VL0417ABL01	VL0417ABL01	VL042357.D	17 Apr 2025 14:23		SY/MD	Ok
11	VL0417ABS01	VL0417ABS01	VL042358.D	17 Apr 2025 15:39		SY/MD	Ok,M
12	Q1665-15	IA-B14-1-3242025	VL042359.D	17 Apr 2025 16:12	Need 10X	SY/MD	Dilution
13	Q1665-15DL	IA-B14-1-3242025DL	VL042360.D	17 Apr 2025 16:44		SY/MD	Ok,M
14	Q1668-01	IA-B1-4-3252025	VL042361.D	17 Apr 2025 17:17	Need 4X	SY/MD	Dilution
15	Q1668-01DUP	IA-B1-4-3252025DUP	VL042362.D	17 Apr 2025 17:51		SY/MD	Ok,M
16	Q1668-03	IA-B1-3-3252025	VL042363.D	17 Apr 2025 18:24	Need 4X	SY/MD	Dilution
17	Q1668-04	IA-B1-1-3252025	VL042364.D	17 Apr 2025 18:58		SY/MD	Ok,M
18	Q1668-02	IA-B1-2-3252025	VL042365.D	17 Apr 2025 19:31		SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/18/2025 10:46:12 PM		
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2590
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2590
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1726-01	IA-DUP-3-03312025	VL042366.D	17 Apr 2025 20:05	Need 20X	SY/MD	Dilution
20	Q1726-02	IA-B2-6-03312025	VL042367.D	17 Apr 2025 20:38	Need 20X	SY/MD	Dilution
21	Q1726-03	IA-B2-2-03312025	VL042368.D	17 Apr 2025 21:12	Need 20X	SY/MD	Dilution
22	Q1726-04	IA-B2-5-03312025	VL042369.D	17 Apr 2025 21:45	Need 20X	SY/MD	Dilution
23	Q1726-05	IA-B2-1-03312025	VL042370.D	17 Apr 2025 22:19	Need 20X	SY/MD	Dilution
24	Q1726-06	IA-B2-3-03312025	VL042371.D	17 Apr 2025 22:52	Need 20X	SY/MD	Dilution
25	Q1726-07	IA-B2-4-03312025	VL042372.D	17 Apr 2025 23:26	Need 20X	SY/MD	Dilution
26	Q1726-07DL	IA-B2-4-03312025DL	VL042373.D	17 Apr 2025 23:57	Need 40X	SY/MD	Dilution
27	Q1668-01DL	IA-B1-4-3252025DL	VL042374.D	18 Apr 2025 00:28		SY/MD	Ok,M
28	Q1668-03DL	IA-B1-3-3252025DL	VL042375.D	18 Apr 2025 00:59		SY/MD	Ok,M
29	Q1726-01DL	IA-DUP-3-03312025DL	VL042376.D	18 Apr 2025 01:30	Need 40X	SY/MD	Dilution
30	Q1726-02DL	IA-B2-6-03312025DL	VL042377.D	18 Apr 2025 02:01	Need 40X	SY/MD	Dilution
31	Q1726-03DL	IA-B2-2-03312025DL	VL042378.D	18 Apr 2025 02:32	Need 100X	SY/MD	Dilution
32	Q1726-04DL	IA-B2-5-03312025DL	VL042379.D	18 Apr 2025 03:03	Need 40X	SY/MD	Dilution
33	Q1726-05DL	IA-B2-1-03312025DL	VL042380.D	18 Apr 2025 03:34	Need 100X	SY/MD	Dilution
34	Q1726-06DL	IA-B2-3-03312025DL	VL042381.D	18 Apr 2025 04:05	Need 100X	SY/MD	Dilution

M : Manual Integration

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 9:39:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/22/2025 2:00:33 PM		
SubDirectory	VL042125	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042394.D	21 Apr 2025 07:58		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042395.D	21 Apr 2025 08:41		SY/MD	Ok,M
3	VL0421ABL01	VL0421ABL01	VL042396.D	21 Apr 2025 09:28		SY/MD	Ok
4	VL0421ABS01	VL0421ABS01	VL042397.D	21 Apr 2025 10:14		SY/MD	Ok,M
5	QC041625 CAN 10329	QC041625 CAN 10329	VL042398.D	21 Apr 2025 11:04	Contaminated	SY/MD	Not Ok
6	QC041625 CAN 10329	QC041625 CAN 10329	VL042399.D	21 Apr 2025 11:36		SY/MD	Ok
7	Q1801-01	SS2R	VL042400.D	21 Apr 2025 12:07		SY/MD	Ok,M
8	Q1801-02	SS3	VL042401.D	21 Apr 2025 12:51		SY/MD	Ok,M
9	Q1844-02	IA1	VL042402.D	21 Apr 2025 13:38	Need 5X	SY/MD	Dilution
10	Q1844-02DUP	IA1DUP	VL042403.D	21 Apr 2025 14:13		SY/MD	Ok,M
11	Q1844-02DL	IA1DL	VL042404.D	21 Apr 2025 14:44		SY/MD	Ok,M
12	Q1843-02	IA1	VL042405.D	21 Apr 2025 15:18		SY/MD	Ok,M
13	Q1843-02DL	IA1DL	VL042406.D	21 Apr 2025 15:49	Not required	SY/MD	Not Ok
14	Q1844-01	SV1	VL042407.D	21 Apr 2025 16:20	Need 40X	SY/MD	Dilution
15	Q1844-01DL	SV1DL	VL042408.D	21 Apr 2025 16:51	Need 600X	SY/MD	Dilution
16	Q1843-01	SV1	VL042409.D	21 Apr 2025 17:23		SY/MD	Ok,M
17	Q1843-01DL	SV1DL	VL042410.D	21 Apr 2025 17:54	Not required	SY/MD	Not Ok
18	Q1843-01DUP	SV1DUP	VL042411.D	21 Apr 2025 19:16		SY/MD	Ok,M

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 9:39:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/22/2025 2:00:33 PM		
SubDirectory	VL042125	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	QC041725 CA 27806	QC041725 CA 27806	VL042412.D	21 Apr 2025 19:47	Contaminated	SY/MD	Not Ok
20	QC041725 CA 27806	QC041725 CA 27806	VL042413.D	21 Apr 2025 20:18		SY/MD	Ok
21	Q1844-01DL2	SV1DL2	VL042414.D	22 Apr 2025 07:47		SY/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

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

Alliance Project No. : _____

Client Contact Information	Bottle Order ID : **B2504002**	Courier : F GALDUN	1 of 2 COCs
Client ID : **GFEL01** Project ID : ~~16 Eldridge St.~~		Sampler Name(s) : FRANK GALDUN	Analysis / Matrix
Customer Name : **GFE LLC**	Project Manager : **Frank galdun**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **58 Nokomis Ave**	Phone Number : **646-542-3465**		
	Fax Number : **973-334-1692**		
	Site Details: 416 CLINTON ST. HEMPSTEAD, NY	Batch Certified	
City : **Lake Hiawatha**	Analysis Turnaround Time		
State : **NJ**	Standard : **10 business days** OR	Data Package Type SAME PACKAGE AS PREVIOUS ROUND	
Zip Code : **07034**	Rush (Specify): _____ **Days**	EDD Type :	
Country :			

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambinet Air	Soil Gas
SS2R	4/12/25	7:00	2:24	0	3	50	52	-30	-2.2	10648	10311	6 L	50	VL042217.D	(		(

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low)

PID Readings: 0.0

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: SERM	Date/Time: 04/07/25	Canisters Received by:	Date/Time: 4/14/25 0700
Samples Relinquished by:	Date/Time: 4/12/25	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

B2504002 - 3

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

Alliance Project No. : _____

Client Contact Information	Bottle Order ID : **B2504002**	Courier : F GALDUN	2 of 2 COCs
Client ID : **GFEL01** Project ID : ~~10 Eldridge St.~~		Sampler Name(s) : FRANK GALDUN	Analysis / Matrix
Customer Name : **GFE LLC**	Project Manager : **Frank galdun**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **58 Nokomis Ave**	Phone Number : **646-542-3465**		
	Fax Number : **973-334-1692**	Batch Certified	
	Site Details: 416 CLINTON ST. HEMPSTEAD, NY		
City : **Lake Hiawatha**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **07034**	Standard : **10 business days** OR	Data Package Type : SAME PACKAGE AS PREVIOUS ROUND	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambinet Air	Soil Gas
553	4/12/25	7:02	2:02	OVER 30	1	65	67	-30	-3.1	10226	10606	6 L	50	VL042217.D	1		1

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low)

PID Readings: 0.0

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by:	Date/Time: 04/07/25	Canisters Received by:	Date/Time: 4/11/25 0700		
Samples Relinquished by:	Date/Time: 4/12/25	Received by:	Date/Time:	**B2504002 - 6**	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

DEP-077
Rev. 3/04

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Chemtech
~~Name~~
Location: 284 Sheffield Street, Mountainside, NJ 7092
Title: Sample Custodian
Field Sample Seal No.: Q1801
Date Broken: 4/14/2025
Military Time Seal Broken: 07:00:00
Case No.: 416 Clinton St Hempstead
Analytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q1801-01	SS2R		
Q1801-02	SS3		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
4/14	1215	Signature [signature]	Signature [signature]	
		Printed Name [illegible]	Printed Name [illegible]	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report) *Yellow - Contractor Archive* *Pink - Sample Custodian - Interim Copy*

AIR SAMPLE PRESSURE & DILUTION LOGBOOK

Analyst Signature: _____ Supervisor Signature: _____

METHOD: TO-15 Pressure Gauge ID: A7559711

Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
04/03/25	Q1728-07	10467	9.8	-10.0				SY
	Q1728-08	10749	10.2	-9.2				
	Q1728-09	10722	9.6	-10.4				
	Q1728-10	10116	10.2	-9.2				
	Q1728-11	10466	9.6	-10.4				
	Q1728-12	10462	10.8	-8.0				
4/8/25	Q1757-01	10401	12.0	-5.5				SY
	Q1757-02	10258	11.6	-6.3				
04/09/25	Q1772-01	10439	12.2	-5.1				SY
"	Q1772-02	10285	12.4	-4.7				"
04/14/25	Q1801-01	10311	13.6	-2.2				SY
	Q1801-02	10606	13.2	-3.1				
	Q1802-01	10329	12.4	-4.7				
	Q1802-02	10609	12.6	-4.3				
	Q1802-03	10334	13.2	-3.1				

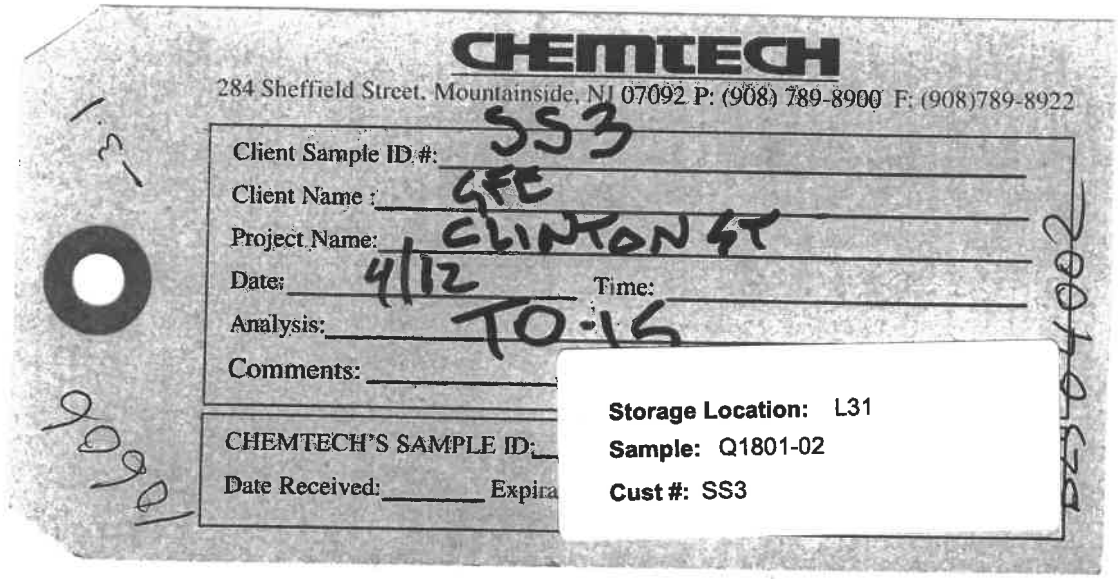
Alliance TECHNICAL GROUP

Process Report

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

Order ID : Q1801

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
04/15/2025	B2504002	Q1801-02	-3.1	10606	6 L	10226		C2504001	**VL042217.D** Seq :VL040425 TUNE : VL042214.D ICAL : VL042177.D CCAL : VL042215.D MB : VL042216.D
04/15/2025	B2504002	Q1801-01	-2.2	10311	6 L	10648		C2504001	**VL042217.D** Seq :VL040425 TUNE : VL042214.D ICAL : VL042177.D CCAL : VL042215.D MB : VL042216.D


CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922

Client Sample ID #: SS3

Client Name : GFE

Project Name: CLINTON ST

Date: 4/12 Time:

Analysis: TO-15

Comments:

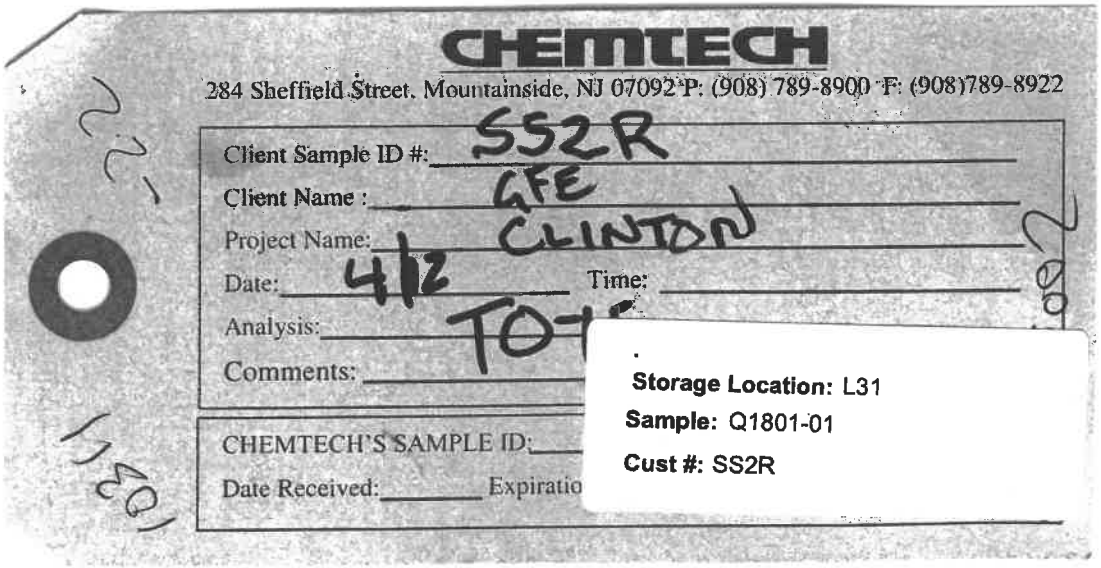
CHEMTECH'S SAMPLE ID:

Date Received: Expira

Storage Location: L31

Sample: Q1801-02

Cust #: SS3


CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922

Client Sample ID #: SS2R

Client Name : GFE

Project Name: CLINTON

Date: 4/12 Time:

Analysis: TO-

Comments:

CHEMTECH'S SAMPLE ID:

Date Received: Expiratio

Storage Location: L31

Sample: Q1801-01

Cust #: SS2R