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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q1851	**OrderDate:**	4/21/2025 12:52:00 PM
Client:	G Environmental	**Project:**	Stockton
Contact:	Gary Landis	**Location:**	L31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1851-05	**GP5**	**SOIL**			**04/21/25**			**04/21/25**
			VOCMS Group1	8260D			04/21/25	
Q1851-06	**GP6**	**SOIL**			**04/21/25**			**04/21/25**
			VOCMS Group1	8260D			04/23/25	
Q1851-07	**GP7**	**SOIL**			**04/21/25**			**04/21/25**
			VOCMS Group1	8260D			04/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1851

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

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

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1851-05	GP5	1,2-Dichloroethane-d4	50	47.8	96		70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101		70 (70)	130 (134)
		Toluene-d8	50	45.7	91		70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.3	75		70 (38)	130 (136)
Q1851-06	GP6	1,2-Dichloroethane-d4	50	45.8	92		70 (63)	130 (155)
		Dibromofluoromethane	50	48.5	97		70 (70)	130 (134)
		Toluene-d8	50	46.5	93		70 (74)	130 (123)
		4-Bromofluorobenzene	50	28.1	56	*	70 (38)	130 (136)
Q1851-07	GP7	1,2-Dichloroethane-d4	50	53.9	108		70 (63)	130 (155)
		Dibromofluoromethane	50	51.6	103		70 (70)	130 (134)
		Toluene-d8	50	49.3	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	38.9	78		70 (38)	130 (136)
VY0421SBL01	VY0421SBL01	1,2-Dichloroethane-d4	50	50.5	101		70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104		70 (70)	130 (134)
		Toluene-d8	50	47.9	96		70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.1	80		70 (38)	130 (136)
VY0421SBS01	VY0421SBS01	1,2-Dichloroethane-d4	50	49.6	99		70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	102		70 (70)	130 (134)
		Toluene-d8	50	51.0	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.9	102		70 (38)	130 (136)
VY0421SBSD01	VY0421SBSD01	1,2-Dichloroethane-d4	50	50.5	101		70 (63)	130 (155)
		Dibromofluoromethane	50	51.9	104		70 (70)	130 (134)
		Toluene-d8	50	51.2	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.5	103		70 (38)	130 (136)
VY0423SBL01	VY0423SBL01	1,2-Dichloroethane-d4	50	51.1	102		70 (63)	130 (155)
		Dibromofluoromethane	50	50.0	100		70 (70)	130 (134)
		Toluene-d8	50	47.6	95		70 (74)	130 (123)
		4-Bromofluorobenzene	50	38.5	77		70 (38)	130 (136)
VY0423SBS01	VY0423SBS01	1,2-Dichloroethane-d4	50	51.4	103		70 (63)	130 (155)
		Dibromofluoromethane	50	51.5	103		70 (70)	130 (134)
		Toluene-d8	50	52.0	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.6	101		70 (38)	130 (136)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021937.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0421SBS01	Chloromethane	20	20.3	ug/Kg	102			40 (70)	160 (130)	
	Vinyl chloride	20	19.1	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	20.8	ug/Kg	104			40 (58)	160 (141)	
	Chloroethane	20	20.2	ug/Kg	101			40 (69)	160 (130)	
	Tert butyl alcohol	100	85.4	ug/Kg	85			70 (24)	130 (175)	
	1,1-Dichloroethene	20	18.9	ug/Kg	95			70 (79)	130 (121)	
	Acetone	100	97.7	ug/Kg	98			40 (60)	160 (131)	
	Carbon disulfide	20	17.9	ug/Kg	90			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96			70 (77)	130 (129)	
	Methylene Chloride	20	19.9	ug/Kg	100			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	2-Butanone	100	94.9	ug/Kg	95			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	Chloroform	20	21.1	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102			70 (80)	130 (126)	
	Benzene	20	20.6	ug/Kg	103			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.3	ug/Kg	102			70 (81)	130 (126)	
	Trichloroethene	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			70 (83)	130 (122)	
	Bromodichloromethane	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	96.1	ug/Kg	96			40 (70)	160 (135)	
	Toluene	20	21.0	ug/Kg	105			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.9	ug/Kg	104			70 (82)	130 (125)	
	2-Hexanone	100	95.4	ug/Kg	95			40 (66)	160 (138)	
	Dibromochloromethane	20	21.3	ug/Kg	106			70 (79)	130 (125)	
	Tetrachloroethene	20	22.0	ug/Kg	110			70 (83)	130 (125)	
	Chlorobenzene	20	20.3	ug/Kg	102			70 (84)	130 (122)	
	Ethyl Benzene	20	19.4	ug/Kg	97			70 (82)	130 (124)	
	m/p-Xylenes	40	40.3	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	19.6	ug/Kg	98			70 (83)	130 (123)	
	Styrene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	Bromoform	20	20.6	ug/Kg	103			70 (75)	130 (127)	
	1,1,2,2-Tetrachloroethane	20	18.0	ug/Kg	90			70 (77)	130 (127)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021938.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0421SBSD01	Chloromethane	20	18.8	ug/Kg	94	8		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.4	ug/Kg	92	4		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.3	ug/Kg	102	2		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.9	ug/Kg	95	6		40 (69)	160 (130)	30 (20)
	Tert butyl alcohol	100	95.7	ug/Kg	96	12		70 (24)	130 (175)	30 (20)
	1,1-Dichloroethene	20	18.8	ug/Kg	94	1		70 (79)	130 (121)	30 (20)
	Acetone	100	96.1	ug/Kg	96	2		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	17.3	ug/Kg	86	5		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97	1		70 (77)	130 (129)	30 (20)
	Methylene Chloride	20	20.1	ug/Kg	101	1		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.4	ug/Kg	97	2		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.4	ug/Kg	102	2		70 (82)	130 (123)	30 (20)
	2-Butanone	100	97.3	ug/Kg	97	2		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.0	ug/Kg	100	3		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.1	ug/Kg	101	0		70 (82)	130 (123)	30 (20)
	Chloroform	20	20.4	ug/Kg	102	4		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	19.9	ug/Kg	100	2		70 (80)	130 (126)	30 (20)
	Benzene	20	20.2	ug/Kg	101	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.3	ug/Kg	102	0		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.3	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.4	ug/Kg	102	3		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.7	ug/Kg	104	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	4		40 (70)	160 (135)	30 (20)
	Toluene	20	20.6	ug/Kg	103	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.9	ug/Kg	110	6		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	99.9	ug/Kg	100	5		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.1	ug/Kg	106	0		70 (79)	130 (125)	30 (20)
	Tetrachloroethene	20	22.2	ug/Kg	111	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.4	ug/Kg	102	0		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.3	ug/Kg	97	0		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.2	ug/Kg	101	0		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.7	ug/Kg	99	1		70 (83)	130 (123)	30 (20)
	Styrene	20	19.9	ug/Kg	100	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.6	ug/Kg	108	5		70 (75)	130 (127)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.0	ug/Kg	95	5		70 (77)	130 (127)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0423SBS01	Chloromethane	20	22.2	ug/Kg	111			40 (70)	160 (130)	
	Vinyl chloride	20	20.6	ug/Kg	103			70 (72)	130 (129)	
	Bromomethane	20	24.1	ug/Kg	121			40 (58)	160 (141)	
	Chloroethane	20	21.5	ug/Kg	108			40 (69)	160 (130)	
	Tert butyl alcohol	100	97.5	ug/Kg	98			70 (24)	130 (175)	
	1,1-Dichloroethene	20	20.4	ug/Kg	102			70 (79)	130 (121)	
	Acetone	100	94.7	ug/Kg	95			40 (60)	160 (131)	
	Carbon disulfide	20	20.6	ug/Kg	103			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			70 (77)	130 (129)	
	Methylene Chloride	20	19.5	ug/Kg	98			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	20.0	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	2-Butanone	100	96.4	ug/Kg	96			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	Chloroform	20	20.6	ug/Kg	103			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			70 (80)	130 (126)	
	Benzene	20	20.7	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	Bromodichloromethane	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	20.8	ug/Kg	104			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.4	ug/Kg	102			70 (79)	130 (125)	
	Tetrachloroethene	20	20.4	ug/Kg	102			70 (83)	130 (125)	
	Chlorobenzene	20	20.2	ug/Kg	101			70 (84)	130 (122)	
	Ethyl Benzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	40.3	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	19.8	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	Bromoform	20	20.2	ug/Kg	101			70 (75)	130 (127)	
	1,1,2,2-Tetrachloroethane	20	21.2	ug/Kg	106			70 (77)	130 (127)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0421SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021936.D Lab Sample ID: VY0421SBL01

Date Analyzed: 04/21/2025 Time Analyzed: 09:42

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0421SBS01	VY0421SBS01	VY021937.D	04/21/2025
VY0421SBSD01	VY0421SBSD01	VY021938.D	04/21/2025
GP5	Q1851-05	VY021948.D	04/21/2025
GP7	Q1851-07	VY021950.D	04/21/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0423SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021963.D Lab Sample ID: VY0423SBL01

Date Analyzed: 04/23/2025 Time Analyzed: 10:31

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0423SBS01	VY0423SBS01	VY021964.D	04/23/2025
GP6	Q1851-06	VY021967.D	04/23/2025

COMMENTS:

Raw Data: **VY021655.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021655.D BFB Injection Date: 03/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:23

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.7 (2) 1
174	50.0 - 100.0% of mass 95	86.7
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.9 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021656.D	03/27/2025	10:08
VSTDICC010	VSTDICC010	VY021657.D	03/27/2025	10:31
VSTDICC020	VSTDICC020	VY021658.D	03/27/2025	10:54
VSTDICCC050	VSTDICCC050	VY021659.D	03/27/2025	11:16
VSTDICC100	VSTDICC100	VY021660.D	03/27/2025	11:39
VSTDICC150	VSTDICC150	VY021661.D	03/27/2025	12:02

Raw Data: **VY021934.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021934.D BFB Injection Date: 04/21/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:38

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.6 (1.8) 1
174	50.0 - 100.0% of mass 95	88.8
175	5.0 - 9.0% of mass 174	6.8 (7.6) 1
176	95.0 - 101.0% of mass 174	85.7 (96.5) 1
177	5.0 - 9.0% of mass 176	5.8 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021935.D	04/21/2025	09:08
VY0421SBL01	VY0421SBL01	VY021936.D	04/21/2025	09:42
VY0421SBS01	VY0421SBS01	VY021937.D	04/21/2025	10:18
VY0421SBSD01	VY0421SBSD01	VY021938.D	04/21/2025	10:41
GP5	Q1851-05	VY021948.D	04/21/2025	15:08
GP7	Q1851-07	VY021950.D	04/21/2025	15:54

Raw Data: **VY021952.D**

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (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
VSTDICC005	VSTDICC005	VY021953.D	04/22/2025	13:39
VSTDICC010	VSTDICC010	VY021954.D	04/22/2025	14:44
VSTDICC020	VSTDICC020	VY021955.D	04/22/2025	15:07
VSTDICCC050	VSTDICCC050	VY021956.D	04/22/2025	15:29
VSTDICC100	VSTDICC100	VY021957.D	04/22/2025	15:52
VSTDICC150	VSTDICC150	VY021958.D	04/22/2025	16:15

Raw Data: **VY021961.D**

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021961.D BFB Injection Date: 04/23/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:27

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.6
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	83.9
175	5.0 - 9.0% of mass 174	6.8 (8.1) 1
176	95.0 - 101.0% of mass 174	83 (99) 1
177	5.0 - 9.0% of mass 176	5.3 (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
VSTDCCC050	VSTDCCC050	VY021962.D	04/23/2025	09:57
VY0423SBL01	VY0423SBL01	VY021963.D	04/23/2025	10:31
VY0423SBS01	VY0423SBS01	VY021964.D	04/23/2025	11:07
GP6	Q1851-06	VY021967.D	04/23/2025	13:29

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021935.D Date Analyzed: 04/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:08

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	190380	7.71	283274	8.62	258729	11.42
UPPER LIMIT	380760	8.207	566548	9.116	517458	11.92
LOWER LIMIT	95190	7.207	141637	8.116	129365	10.92
EPA SAMPLE NO.						
GP5	202834	7.71	379948	8.62	314728	11.42
GP7	209157	7.71	398558	8.62	345335	11.42
VY0421SBL01	238181	7.71	431702	8.62	370399	11.42
VY0421SBS01	181890	7.71	285604	8.62	261318	11.42
VY0421SBSD01	184070	7.71	287552	8.62	258721	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021935.D Date Analyzed: 04/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:08

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

	IS4 AREA #	RT #				
12 HOUR STD	137455	13.347				
UPPER LIMIT	274910	13.847				
LOWER LIMIT	68727.5	12.847				
EPA SAMPLE NO.						
GP5	108735	13.35				
GP7	119952	13.35				
VY0421SBL01	140852	13.35				
VY0421SBS01	139221	13.35				
VY0421SBSD01	136375	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021962.D Date Analyzed: 04/23/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:57

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	304636	7.71	465219	8.62	430304	11.42
UPPER LIMIT	609272	8.213	930438	9.116	860608	11.92
LOWER LIMIT	152318	7.213	232610	8.116	215152	10.92
EPA SAMPLE NO.						
GP6	325896	7.71	599246	8.62	448094	11.41
VY0423SBL01	319981	7.71	599033	8.62	525205	11.42
VY0423SBS01	295173	7.71	458305	8.62	417679	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021962.D Date Analyzed: 04/23/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:57

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

	IS4 AREA #	RT #				
12 HOUR STD	227723	13.347				
UPPER LIMIT	455446	13.847				
LOWER LIMIT	113862	12.847				
EPA SAMPLE NO.						
GP6	115067	13.35				
VY0423SBL01	194434	13.35				
VY0423SBS01	221603	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VY021948.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	GP5	SDG No.:	Q1851
Lab Sample ID:	Q1851-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.5
Sample Wt/Vol:	5.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021948.D	1		04/21/25 15:08	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
78-93-3	2-Butanone	6.60	U	6.60	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Raw Data: **VY021948.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	GP5	SDG No.:	Q1851
Lab Sample ID:	Q1851-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.5
Sample Wt/Vol:	5.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021948.D	1		04/21/25 15:08	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	45.7		70 (74) - 130 (123)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.3		70 (38) - 130 (136)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	7.713			
540-36-3	1,4-Difluorobenzene	380000	8.616			
3114-55-4	Chlorobenzene-d5	315000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.346			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Quant Time: Apr 22 02:45:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	202834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	379948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	108735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104981	47.770	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.540%			
35) Dibromofluoromethane	7.640	113	124478	50.505	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.109	98	428087	45.656	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.320%			
62) 4-Bromofluorobenzene	12.408	95	118391	37.330	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 74.660%			

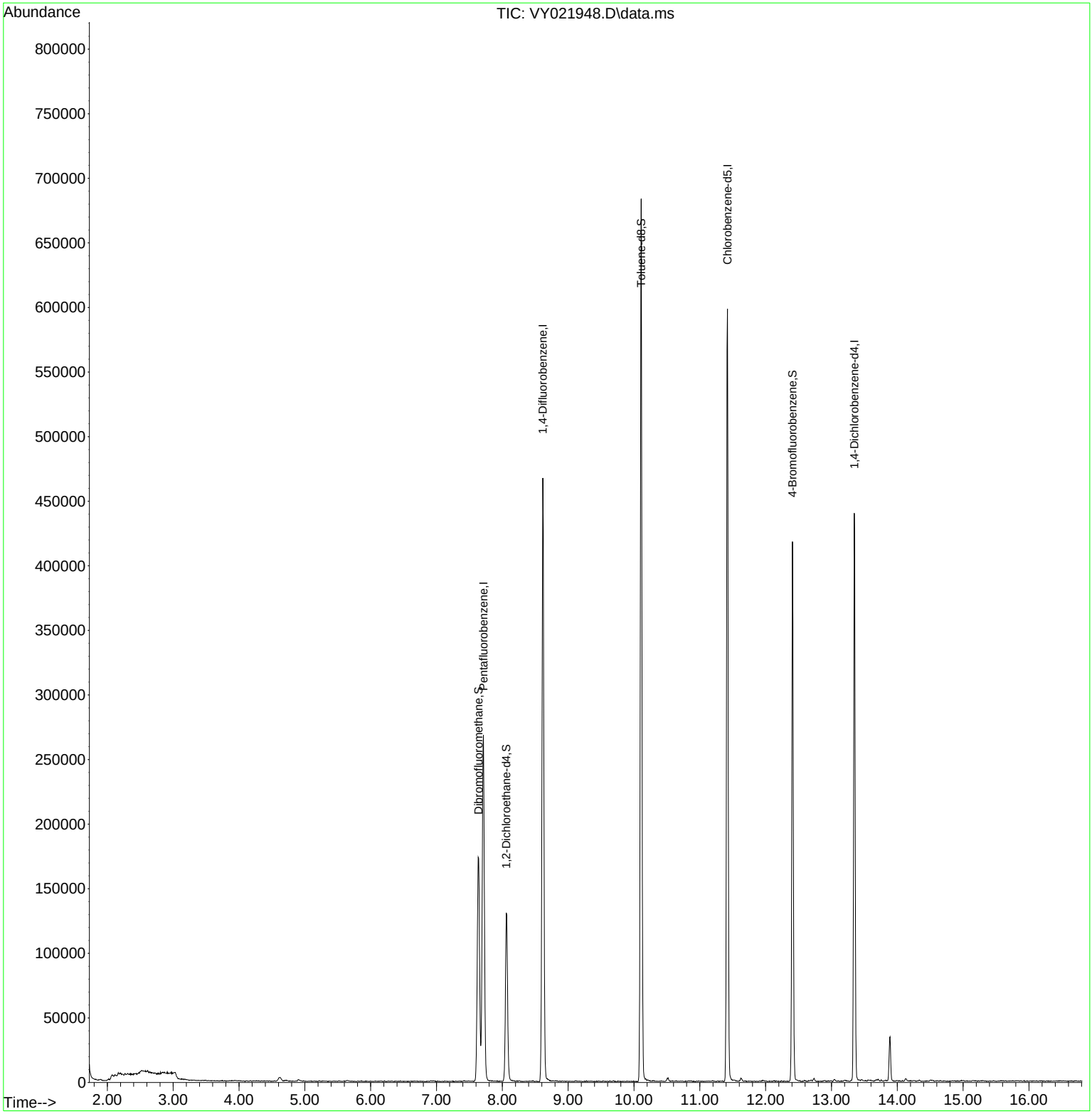
Target Compounds Qvalue

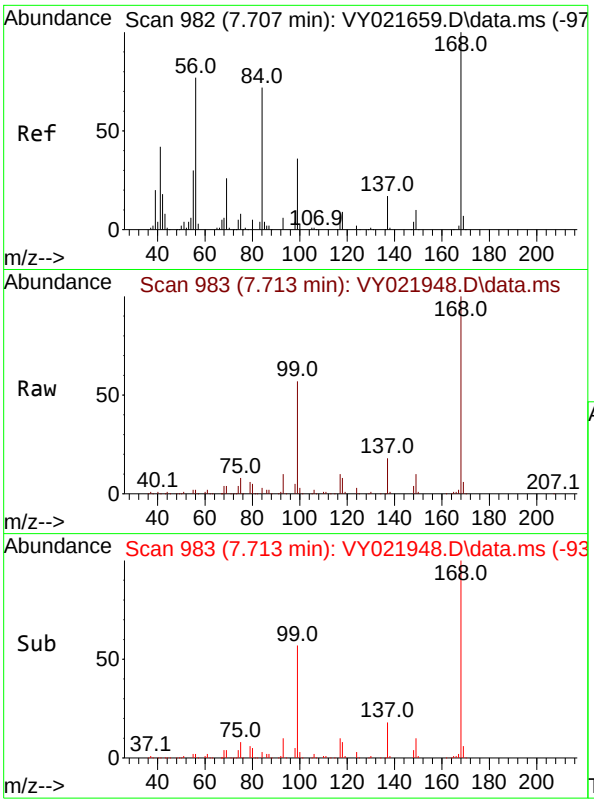
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Quant Time: Apr 22 02:45:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



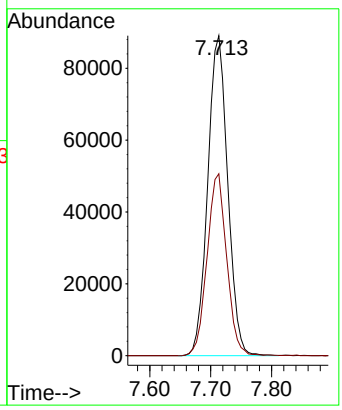


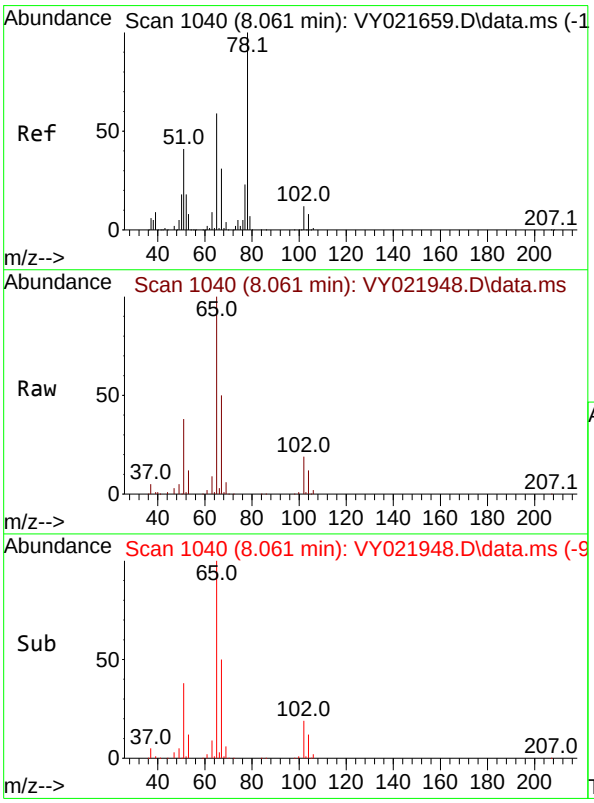
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Tgt Ion:168 Resp: 202834

Ion	Ratio	Lower	Upper
168	100		
99	56.9	46.7	70.1

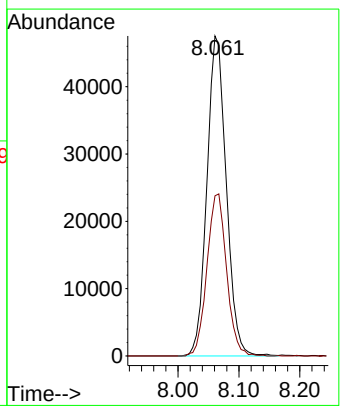


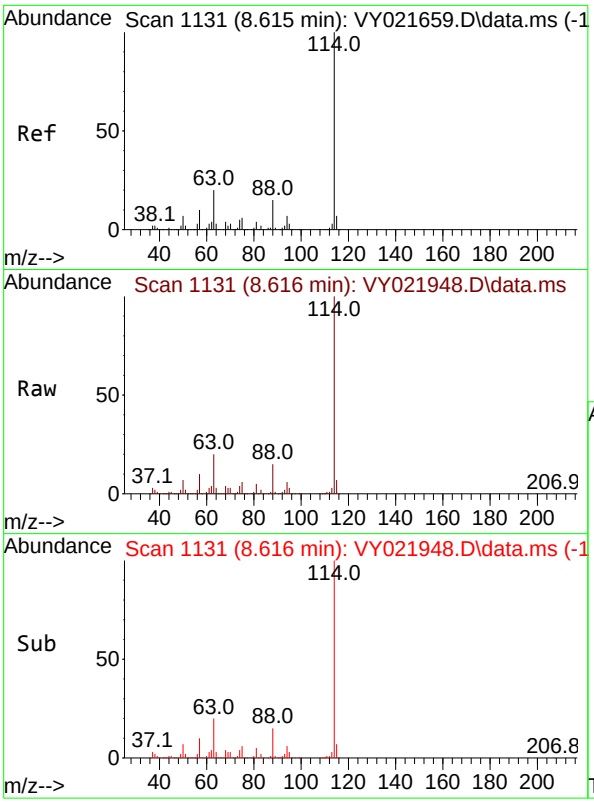


#33
1,2-Dichloroethane-d4
Concen: 47.770 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Tgt Ion: 65 Resp: 104981

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.6



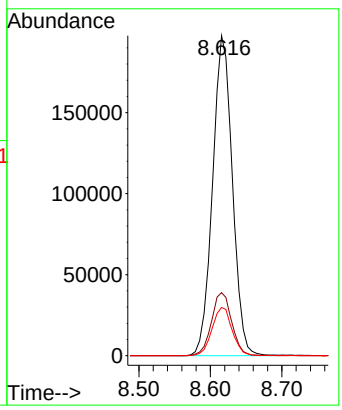


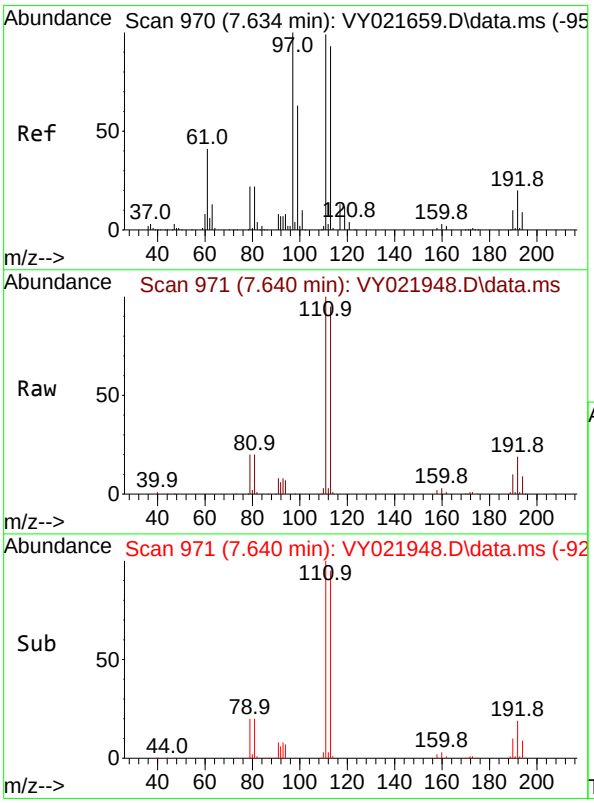
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Tgt Ion:114 Resp: 379948

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.2
88	15.0	0.0	29.8

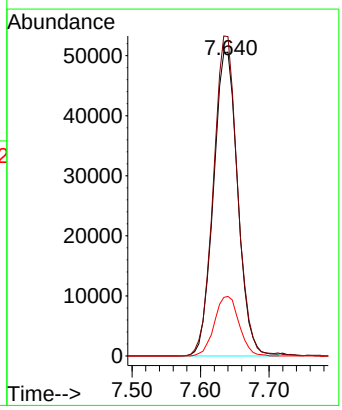


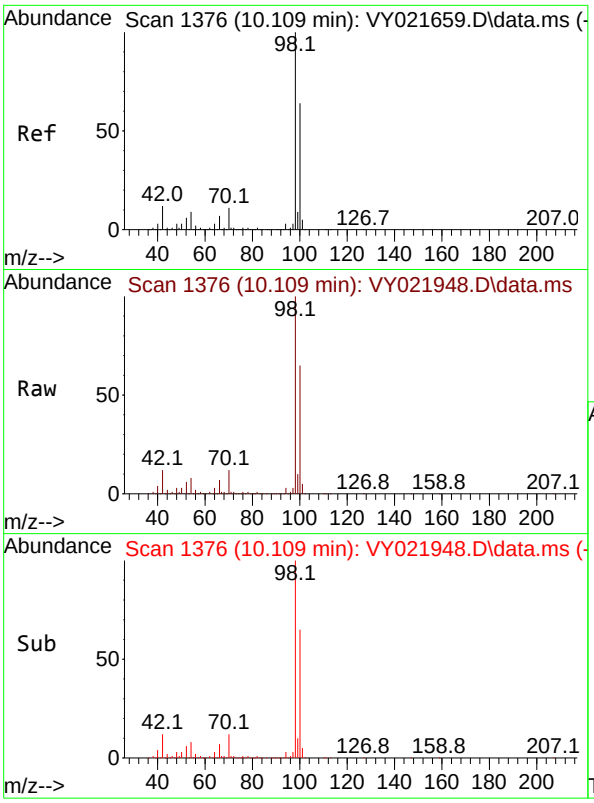


#35
Dibromofluoromethane
Concen: 50.505 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Tgt Ion:113 Resp: 124478

Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.6	123.8
192	19.8	16.2	24.4



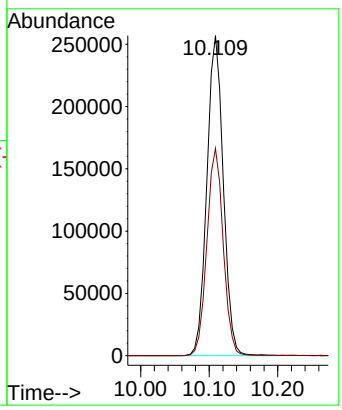


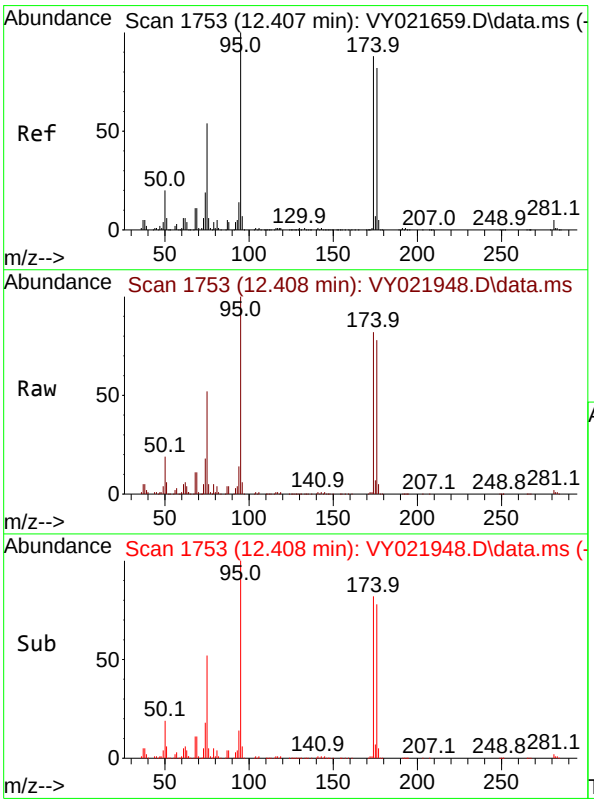
#50
Toluene-d8
Concen: 45.656 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Tgt Ion: 98 Resp: 428087

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1

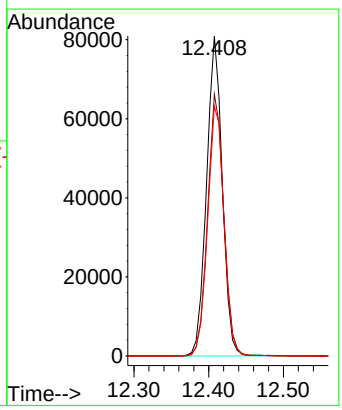


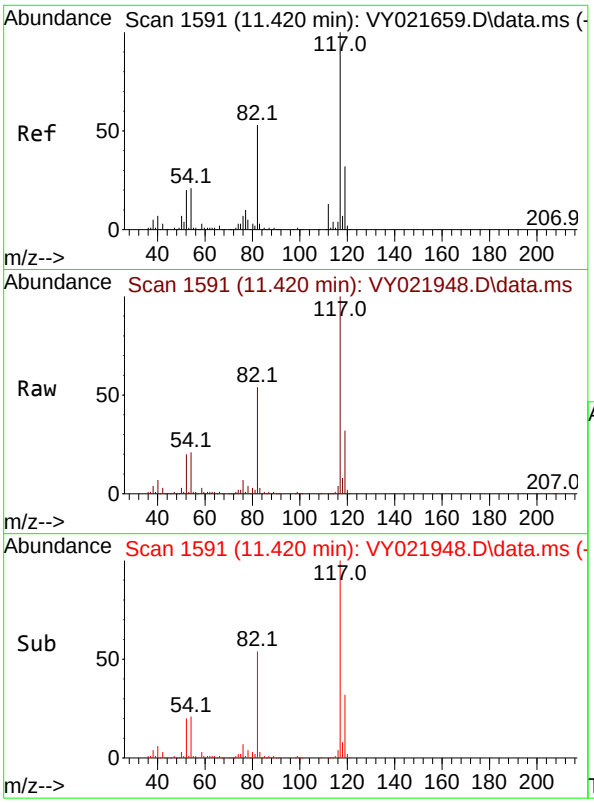


#62
4-Bromofluorobenzene
Concen: 37.330 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Tgt Ion: 95 Resp: 118391

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.8
176	81.0	0.0	162.0



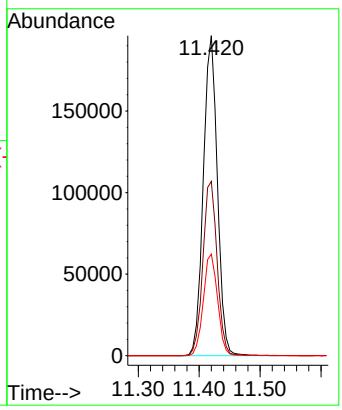


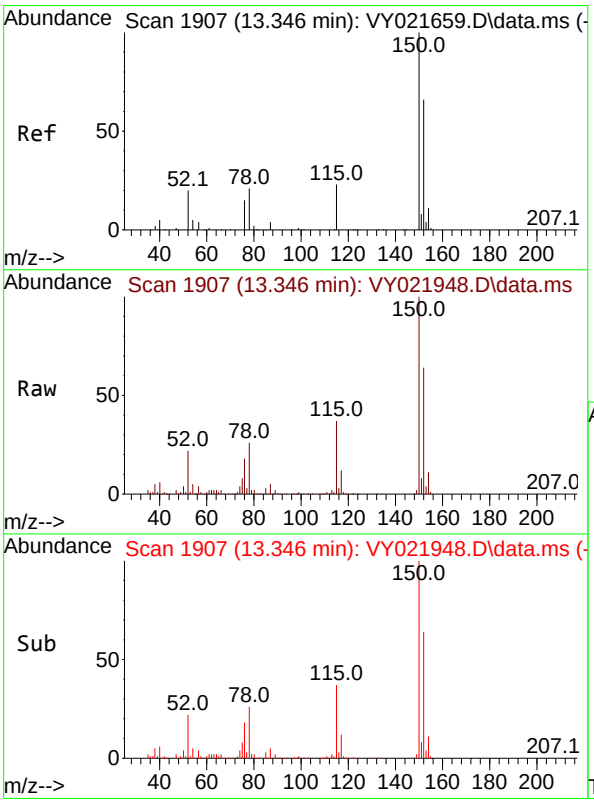
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Tgt Ion:117 Resp: 314728

Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.8	64.2
119	31.8	25.7	38.5

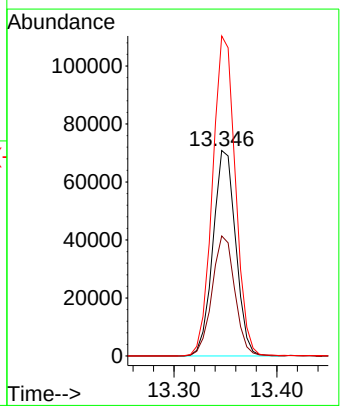




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Tgt Ion:152 Resp: 108735

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.8	86.5
150	156.5	0.0	348.4



Sample Results: **VY021948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021948.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	958	970	976	rBV	173631	423405	36.81%	7.376%
2	7.713	976	983	994	rVB	267484	616717	53.62%	10.743%
3	8.061	1031	1040	1052	rBV	130390	294819	25.63%	5.136%
4	8.616	1122	1131	1141	rBV	467153	900407	78.28%	15.685%
5	10.109	1368	1376	1386	rBV	683464	1150252	100.00%	20.037%
6	11.420	1582	1591	1601	rBV	598334	981436	85.32%	17.096%
7	12.408	1744	1753	1769	rBV	417884	645605	56.13%	11.246%
8	13.346	1900	1907	1917	rBV	439138	670003	58.25%	11.671%
9	13.889	1990	1996	2005	rVB2	34313	57980	5.04%	1.010%

Sum of corrected areas: 5740624

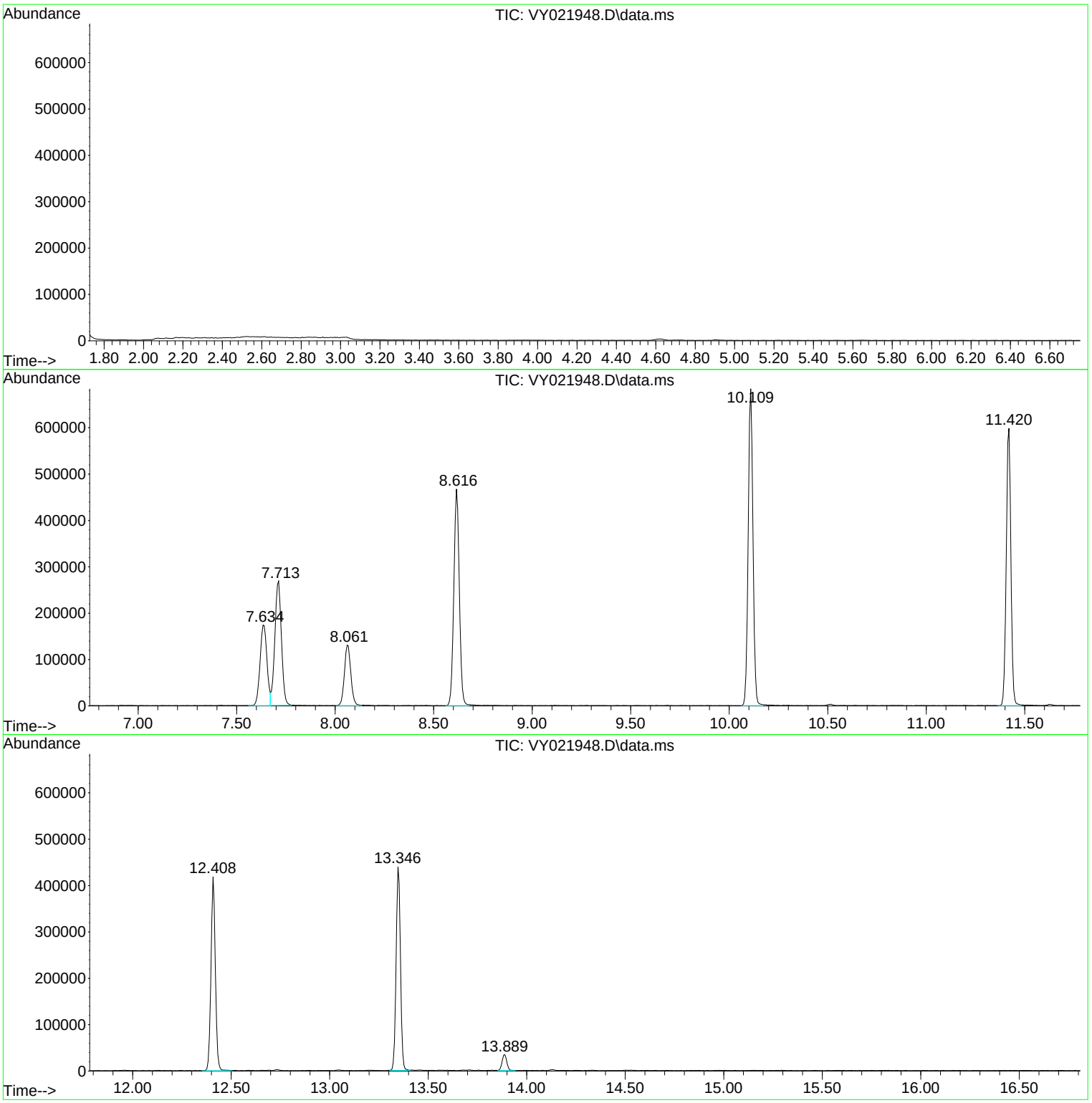
Sample Results: **VY021948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY021948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY021967.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	GP6	SDG No.:	Q1851
Lab Sample ID:	Q1851-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.9
Sample Wt/Vol:	6.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021967.D	1		04/23/25 13:29	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.00	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.50	ug/Kg
74-83-9	Bromomethane	0.97	U	0.97	4.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.50	ug/Kg
75-65-0	Tert butyl alcohol	12.4	U	12.4	22.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.50	ug/Kg
67-64-1	Acetone	4.30	U	4.30	22.7	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.50	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	4.50	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	22.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.50	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.85	U	0.85	4.50	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.83	U	0.83	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	22.7	ug/Kg
108-88-3	Toluene	0.71	U	0.71	4.50	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	4.50	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	22.7	ug/Kg
124-48-1	Dibromochloromethane	0.79	U	0.79	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.95	U	0.95	4.50	ug/Kg

Raw Data: **VY021967.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	GP6	SDG No.:	Q1851
Lab Sample ID:	Q1851-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.9
Sample Wt/Vol:	6.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021967.D	1		04/23/25 13:29	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.83	U	0.83	4.50	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.50	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	9.10	ug/Kg
95-47-6	o-Xylene	0.75	U	0.75	4.50	ug/Kg
100-42-5	Styrene	0.65	U	0.65	4.50	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.8		70 (63) - 130 (155)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (74) - 130 (123)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.0	*	70 (38) - 130 (136)	56%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	326000	7.707			
540-36-3	1,4-Difluorobenzene	599000	8.616			
3114-55-4	Chlorobenzene-d5	448000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.346			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Quant Time: Apr 24 03:45:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	325896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	599246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	448094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137801	45.777	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.560%		
35) Dibromofluoromethane	7.634	113	192150	48.536	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.080%		
50) Toluene-d8	10.109	98	694117	46.506	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.020%		
62) 4-Bromofluorobenzene	12.408	95	140919	28.047	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	56.100%		

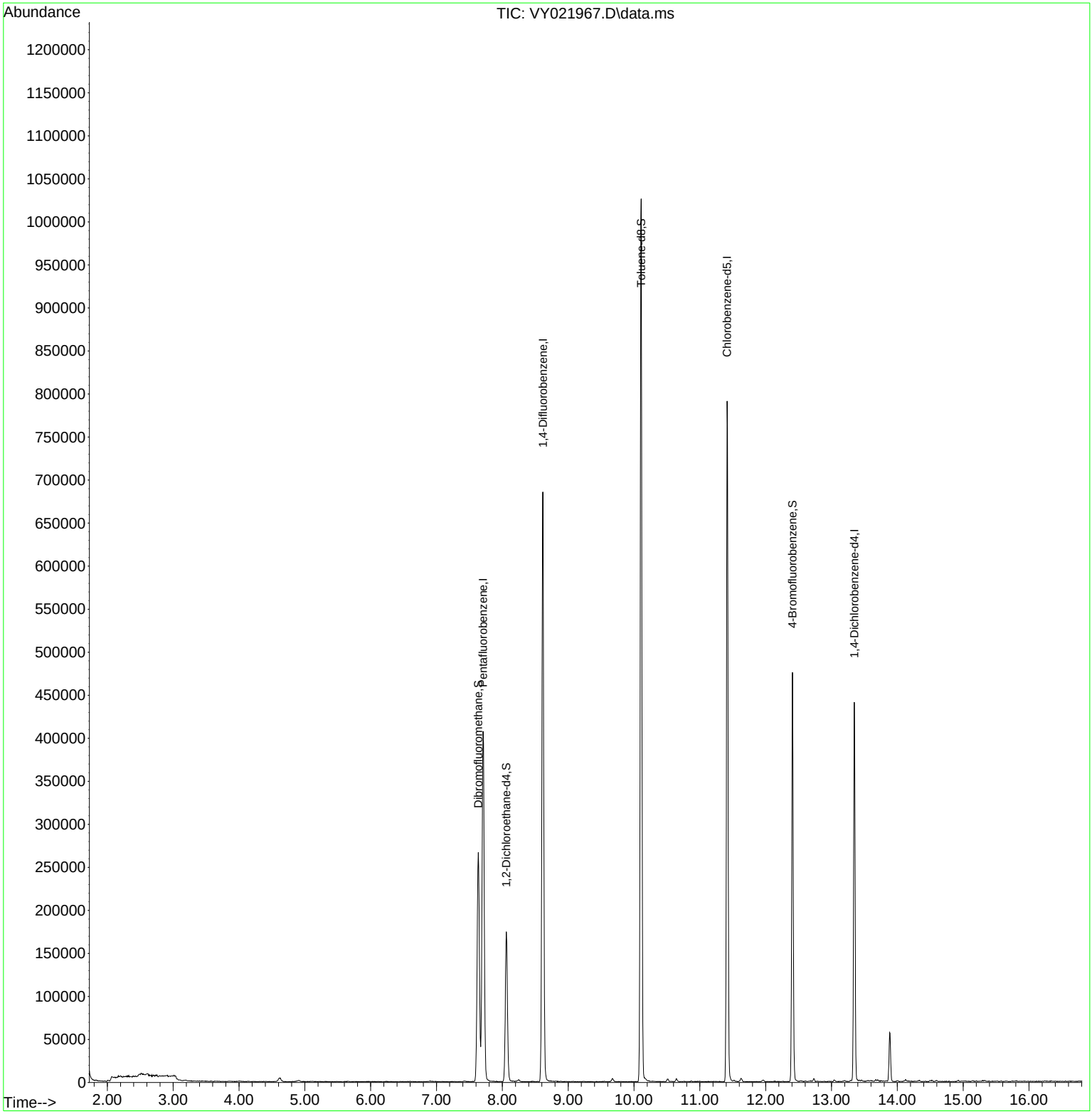
Target Compounds Qvalue

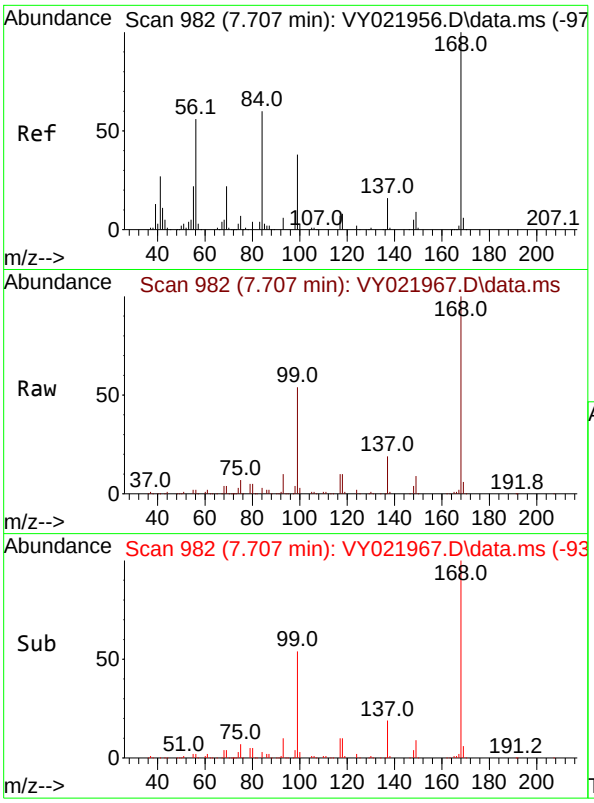
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Quant Time: Apr 24 03:45:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



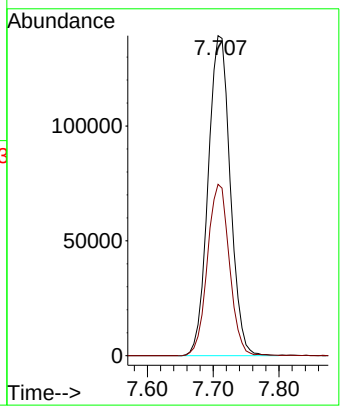


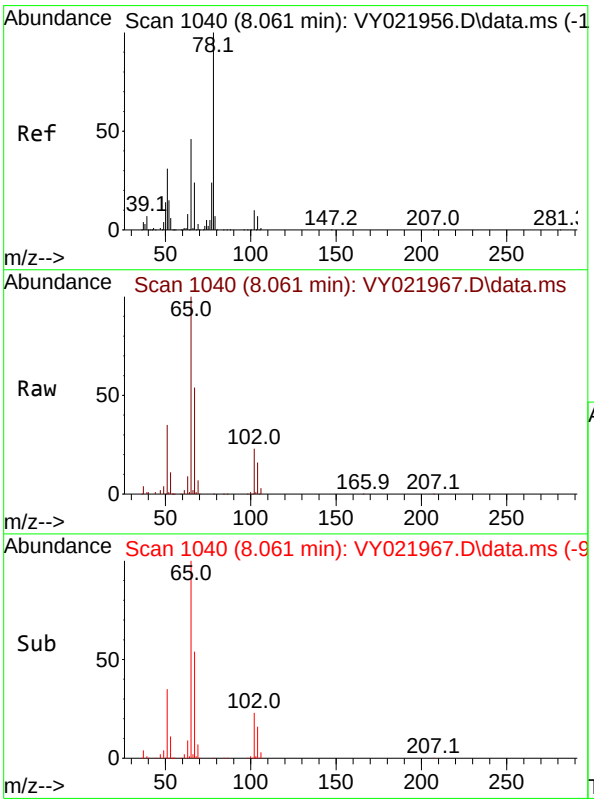
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021967.D
Acq: 23 Apr 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Tgt Ion:168 Resp: 325896

Ion	Ratio	Lower	Upper
168	100		
99	53.5	43.1	64.7

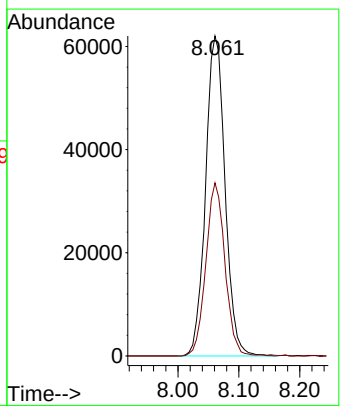


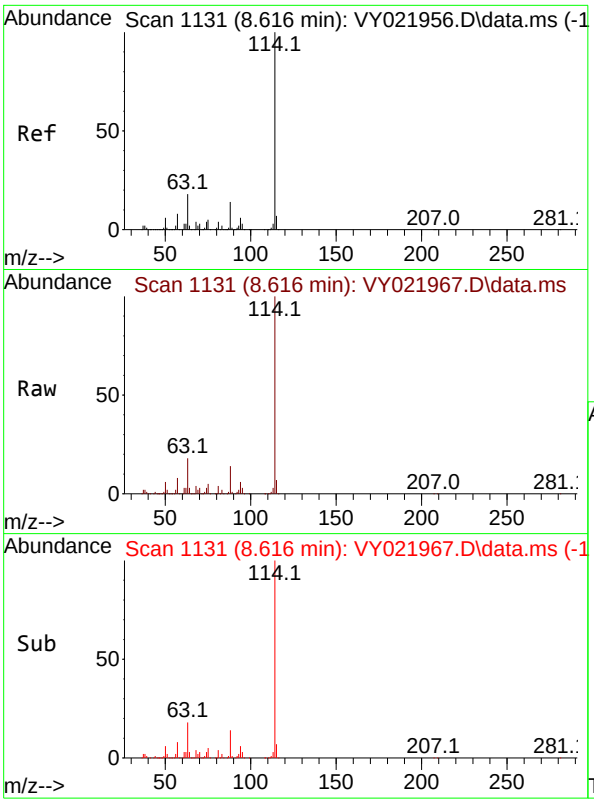


#33
1,2-Dichloroethane-d4
Concen: 45.777 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021967.D
Acq: 23 Apr 2025 13:29

Tgt Ion: 65 Resp: 137801

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.8



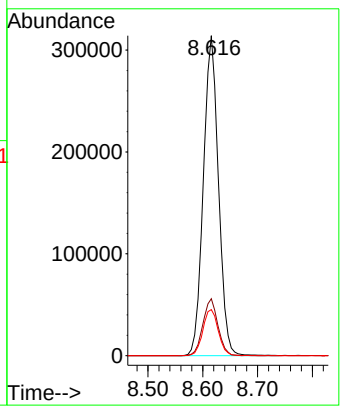


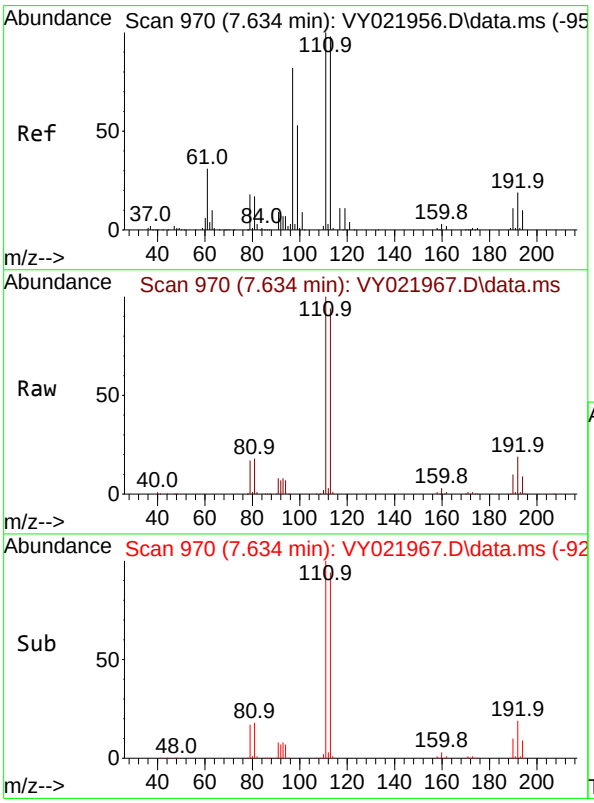
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021967.D
Acq: 23 Apr 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Tgt Ion:114 Resp: 599246

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.4
88	14.4	0.0	28.2

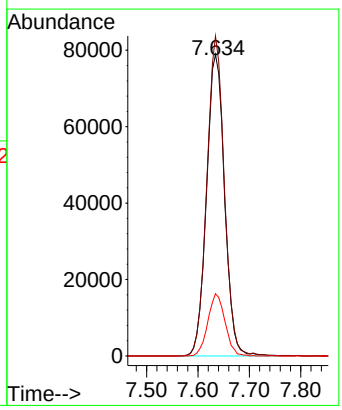


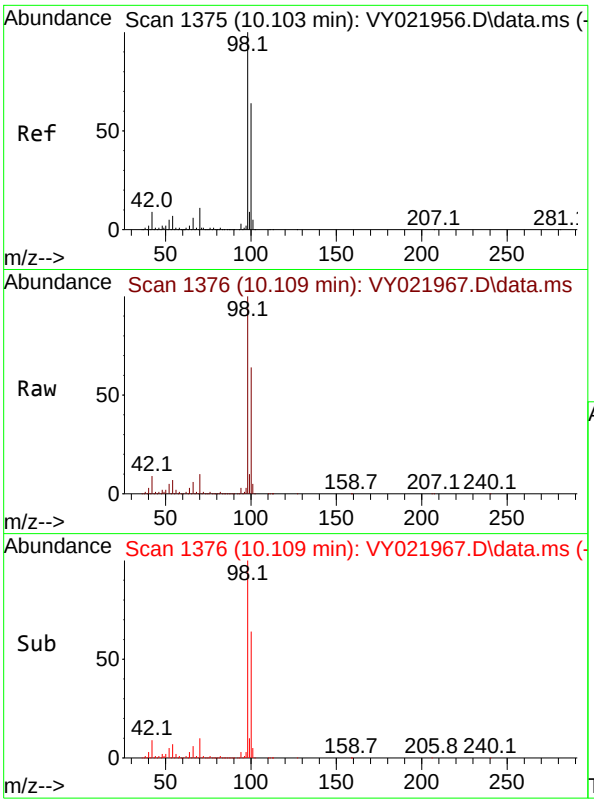


#35
Dibromofluoromethane
Concen: 48.536 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021967.D
Acq: 23 Apr 2025 13:29

Tgt Ion:113 Resp: 192150

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	19.7	15.6	23.4



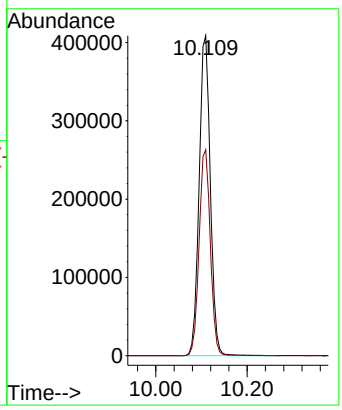


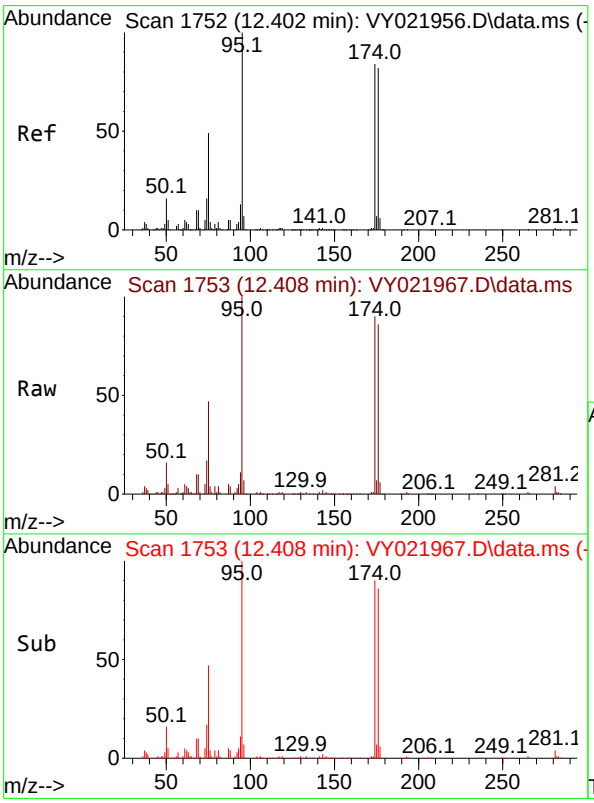
#50
Toluene-d8
Concen: 46.506 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021967.D
Acq: 23 Apr 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Tgt Ion: 98 Resp: 694117

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4

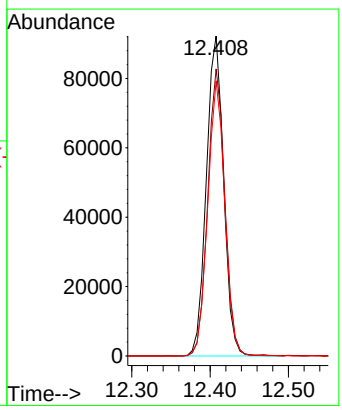


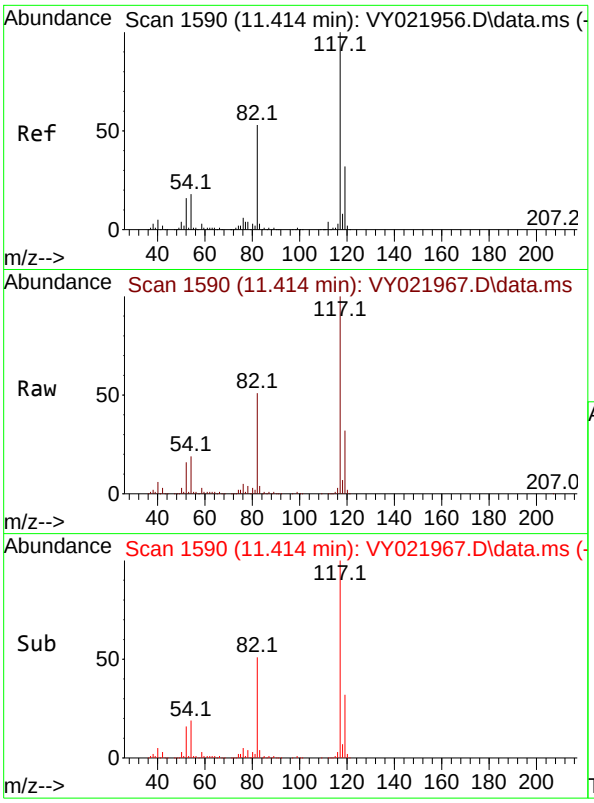


#62
4-Bromofluorobenzene
Concen: 28.047 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021967.D
Acq: 23 Apr 2025 13:29

Tgt Ion: 95 Resp: 140919

Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	179.0
176	85.0	0.0	171.8



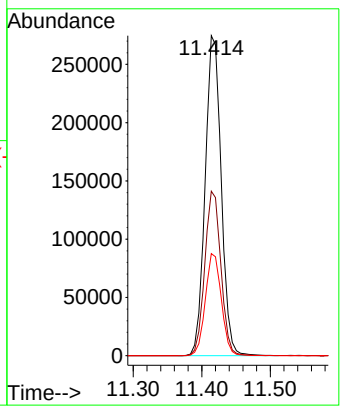


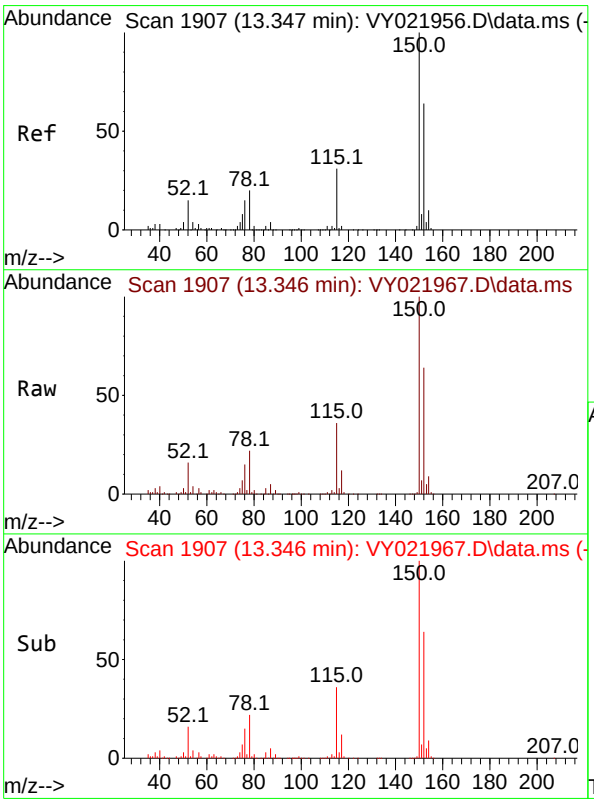
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021967.D
Acq: 23 Apr 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Tgt Ion:117 Resp: 448094

Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.1	63.1
119	31.9	25.7	38.5

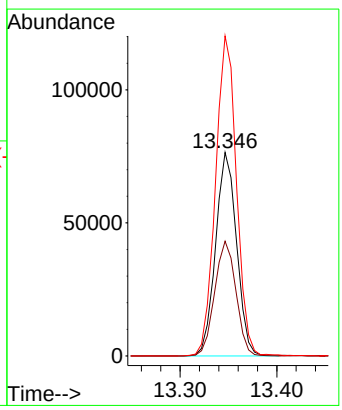




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021967.D
Acq: 23 Apr 2025 13:29

Tgt Ion:152 Resp: 115067

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.0	84.0
150	157.0	0.0	345.6



Sample Results: **VY021967.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY021967.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	958	970	976	rBV	266433	637865	36.17%	8.110%
2	7.707	976	982	999	rVB	406783	946861	53.69%	12.039%
3	8.061	1030	1040	1054	rBV	174302	389106	22.06%	4.947%
4	8.616	1121	1131	1147	rBV	685471	1322888	75.01%	16.820%
5	10.109	1368	1376	1393	rBV	1025917	1763708	100.00%	22.425%
6	11.414	1583	1590	1604	rBV	790877	1296996	73.54%	16.491%
7	12.408	1744	1753	1767	rBV	475474	746907	42.35%	9.497%
8	13.346	1900	1907	1914	rBV	439642	664933	37.70%	8.454%
9	13.883	1990	1995	2004	rVB2	56991	95581	5.42%	1.215%

Sum of corrected areas: 7864845

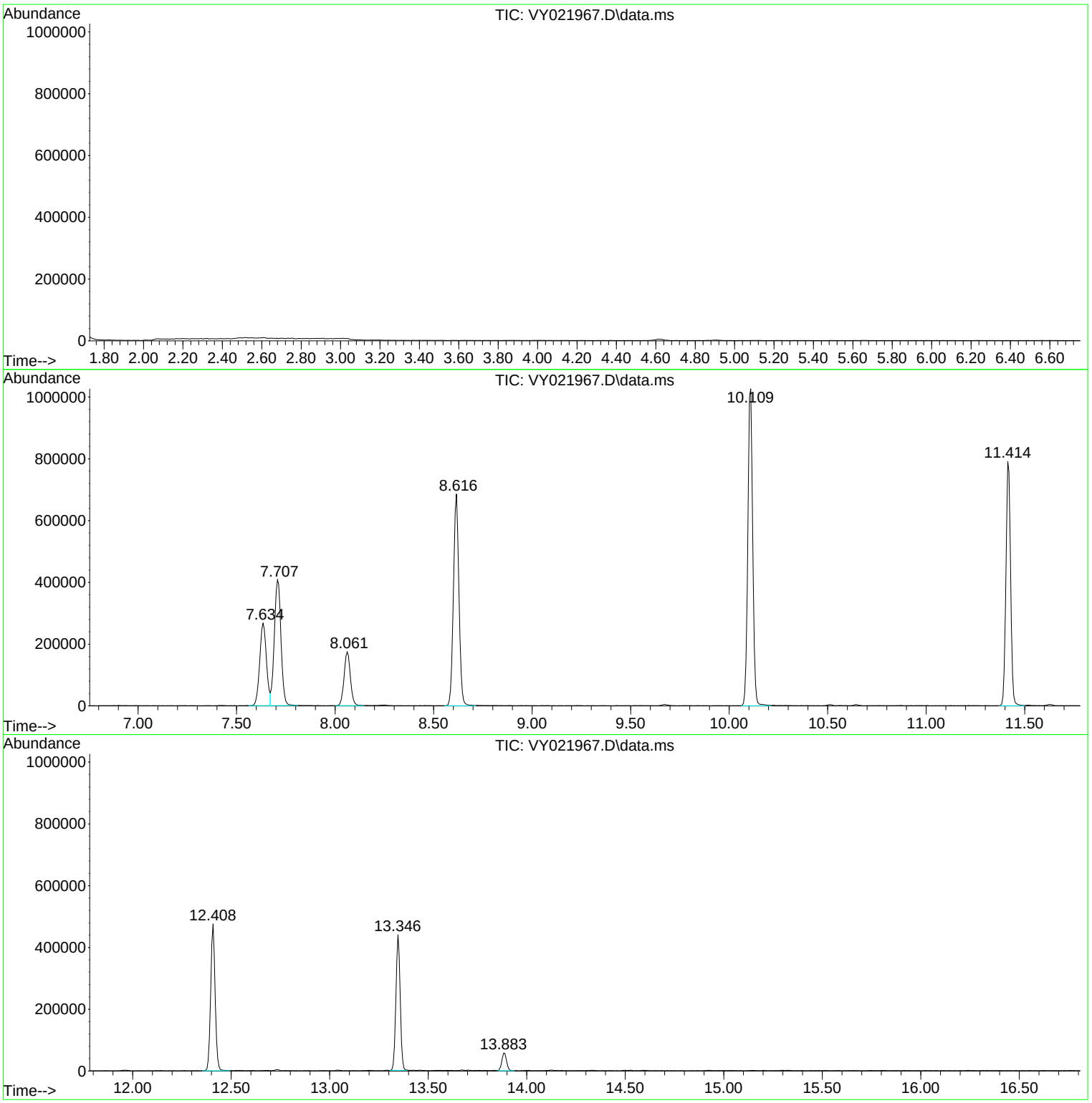
Sample Results: **VY021967.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY021967.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY021950.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	GP7	SDG No.:	Q1851
Lab Sample ID:	Q1851-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.2
Sample Wt/Vol:	7.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021950.D	1		04/21/25 15:54	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	0.84	U	0.84	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.70	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	3.70	ug/Kg
75-65-0	Tert butyl alcohol	10.1	U	10.1	18.5	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	3.50	U	3.50	18.5	ug/Kg
75-15-0	Carbon Disulfide	0.78	U	0.78	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	3.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
71-43-2	Benzene	0.58	U	0.58	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.5	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.5	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	3.70	ug/Kg

Raw Data: **VY021950.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	GP7	SDG No.:	Q1851
Lab Sample ID:	Q1851-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.2
Sample Wt/Vol:	7.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021950.D	1		04/21/25 15:54	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.67	U	0.67	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	7.40	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.52	U	0.52	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	0.89	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (63) - 130 (155)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.9		70 (38) - 130 (136)	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	7.713			
540-36-3	1,4-Difluorobenzene	399000	8.615			
3114-55-4	Chlorobenzene-d5	345000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.346			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

Quant Time: Apr 22 02:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

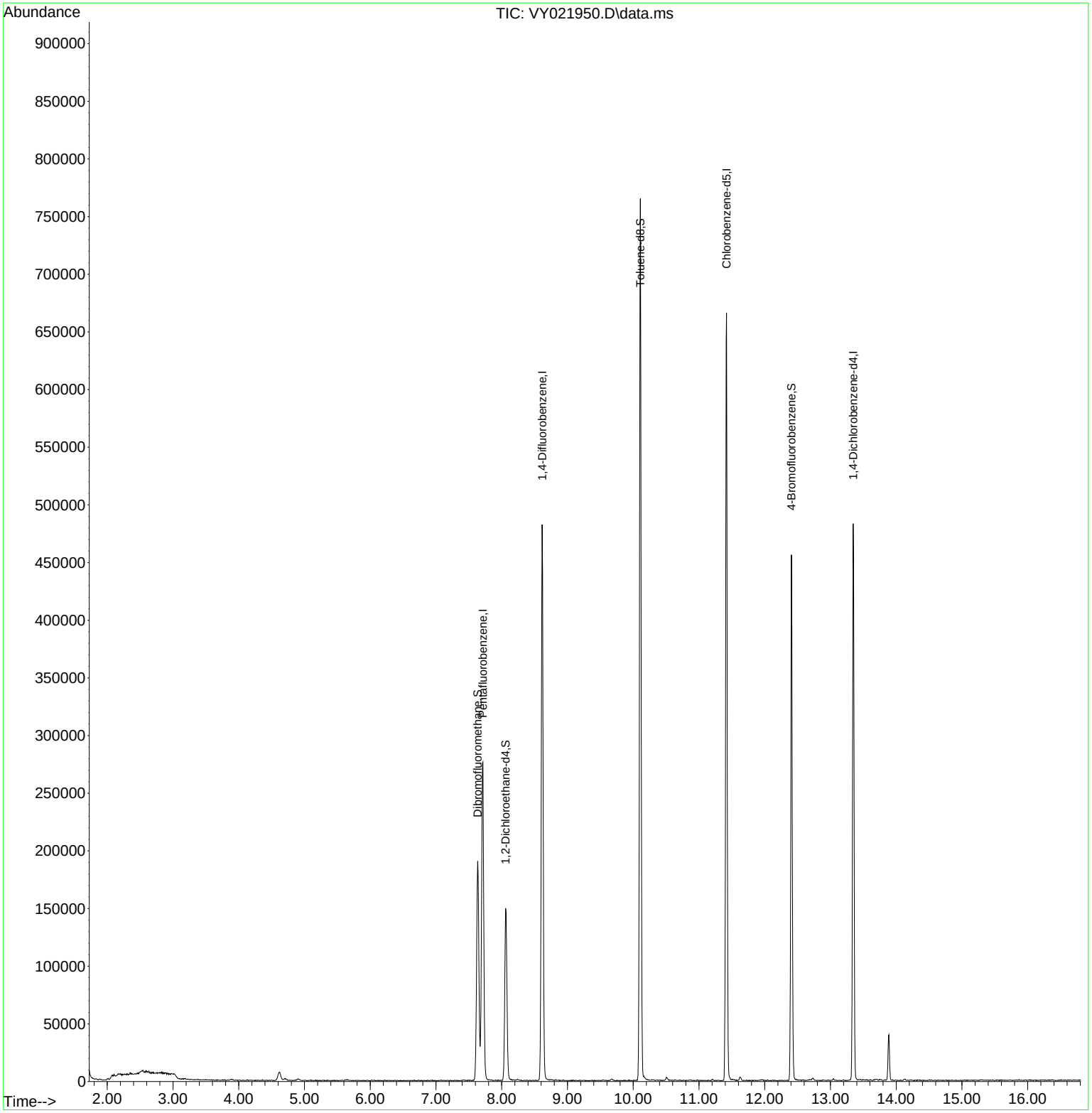
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	209157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	398558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	345335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	119952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122099	53.879	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.760%			
35) Dibromofluoromethane	7.634	113	133521	51.645	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.280%			
50) Toluene-d8	10.109	98	484652	49.276	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.560%			
62) 4-Bromofluorobenzene	12.407	95	129483	38.921	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.840%			
Target Compounds						Qvalue

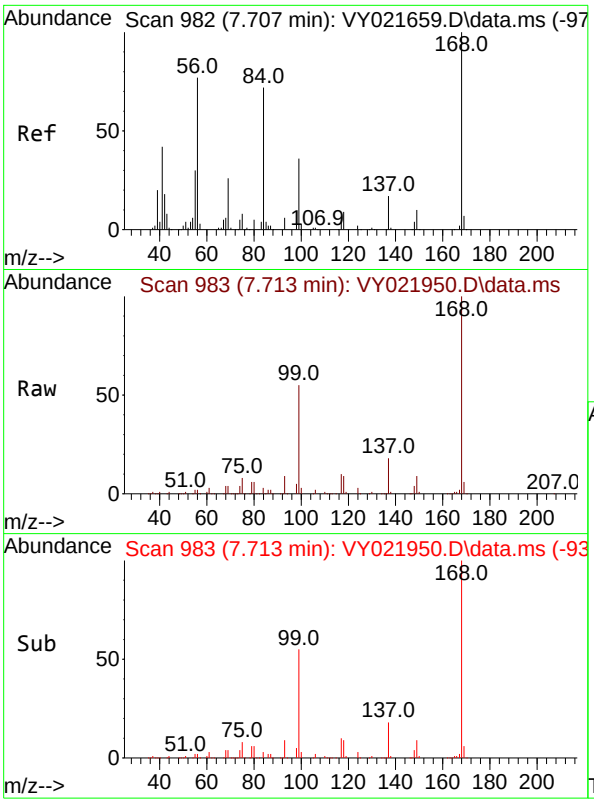
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

Quant Time: Apr 22 02:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



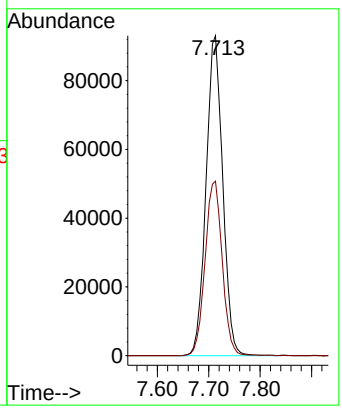


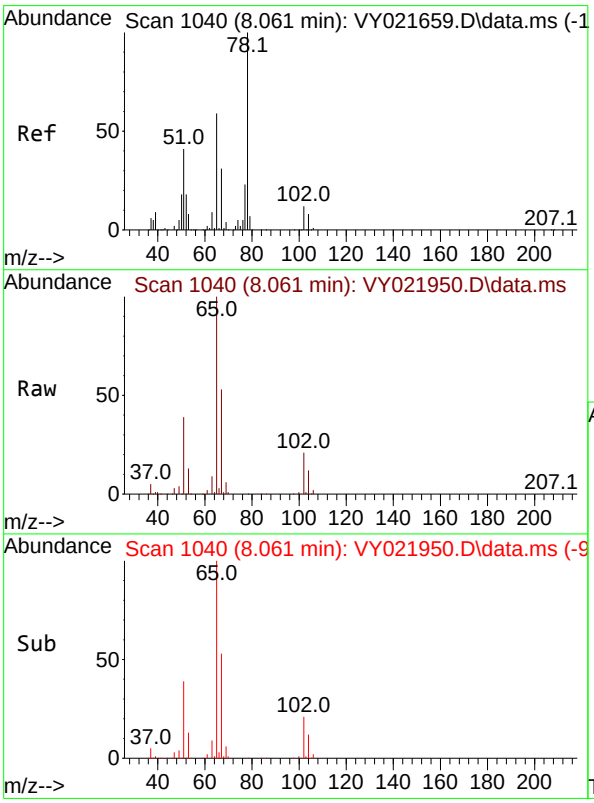
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Instrument :
MSVOA_Y
ClientSampleId :
GP7

Tgt Ion:168 Resp: 209157

Ion	Ratio	Lower	Upper
168	100		
99	54.6	46.7	70.1

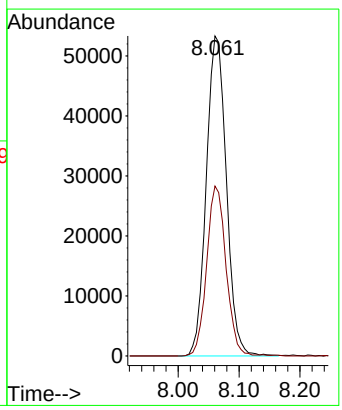


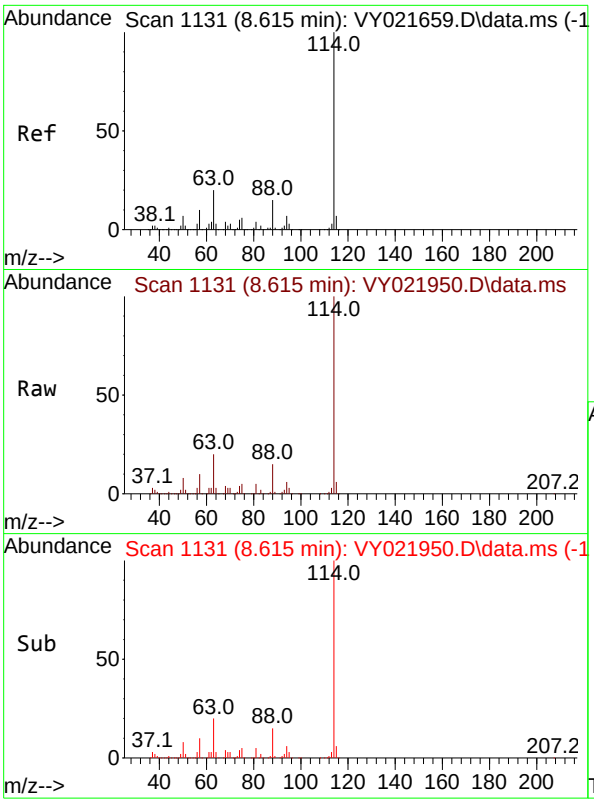


#33
1,2-Dichloroethane-d4
Concen: 53.879 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Tgt Ion: 65 Resp: 122099

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.6



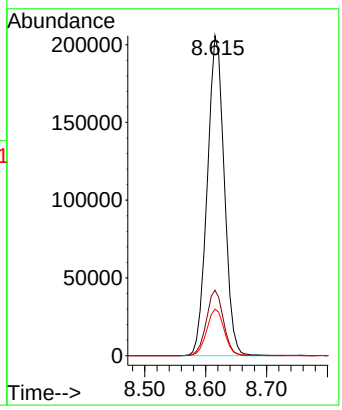


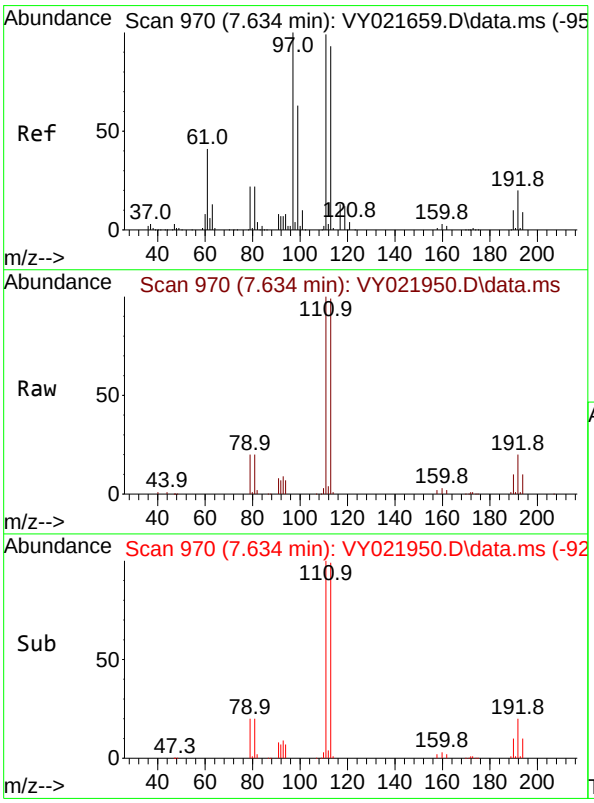
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Instrument :
MSVOA_Y
ClientSampleId :
GP7

Tgt Ion:114 Resp: 398558

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.2
88	14.6	0.0	29.8

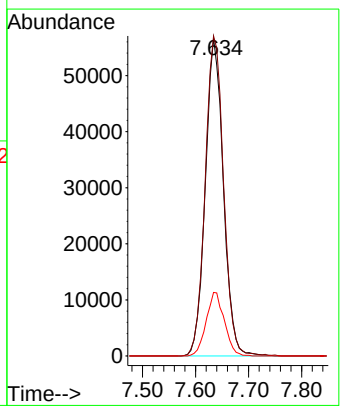


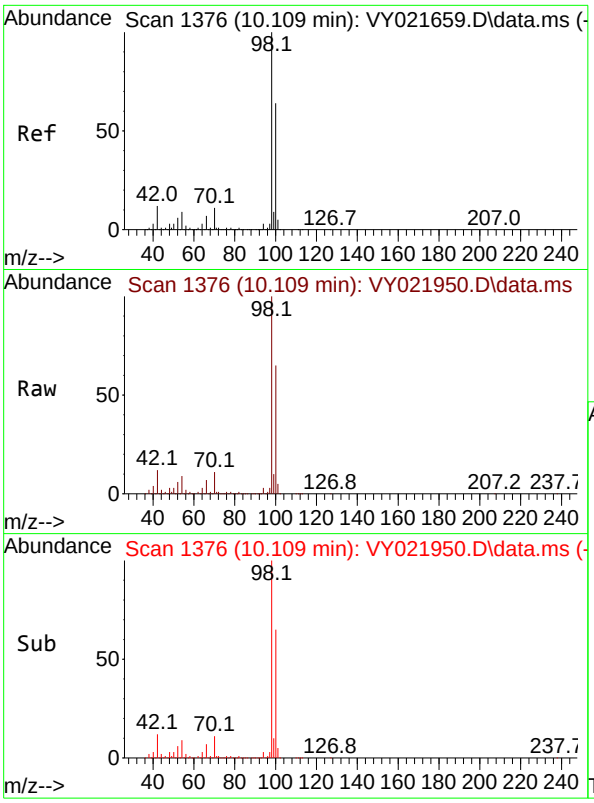


#35
Dibromofluoromethane
Concen: 51.645 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Tgt Ion:113 Resp: 133521

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	20.2	16.2	24.4



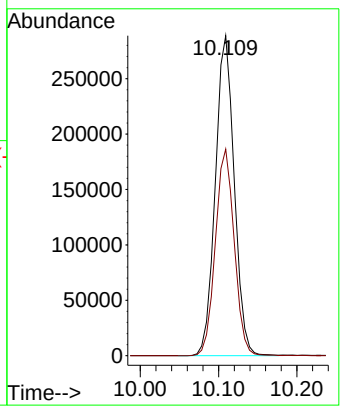


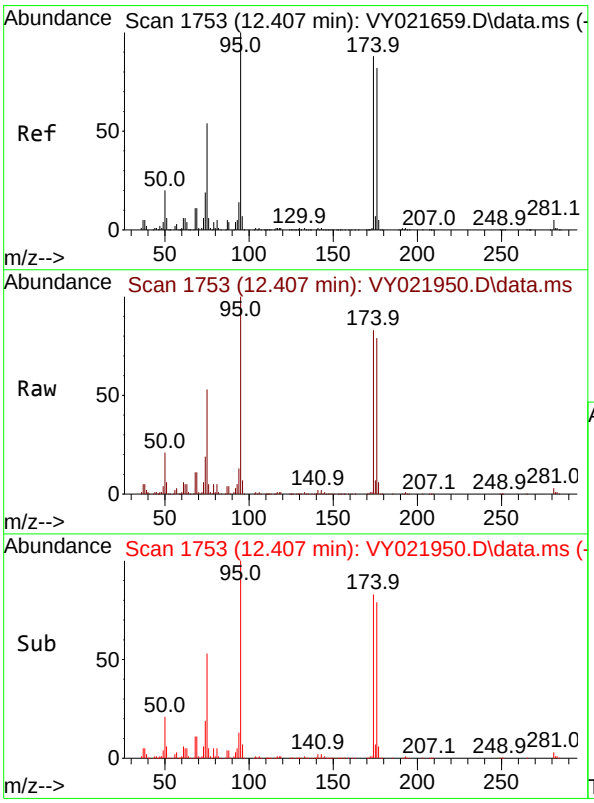
#50
Toluene-d8
Concen: 49.276 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Instrument :
MSVOA_Y
ClientSampleId :
GP7

Tgt Ion: 98 Resp: 484652

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

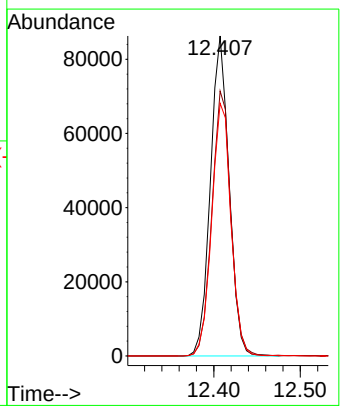


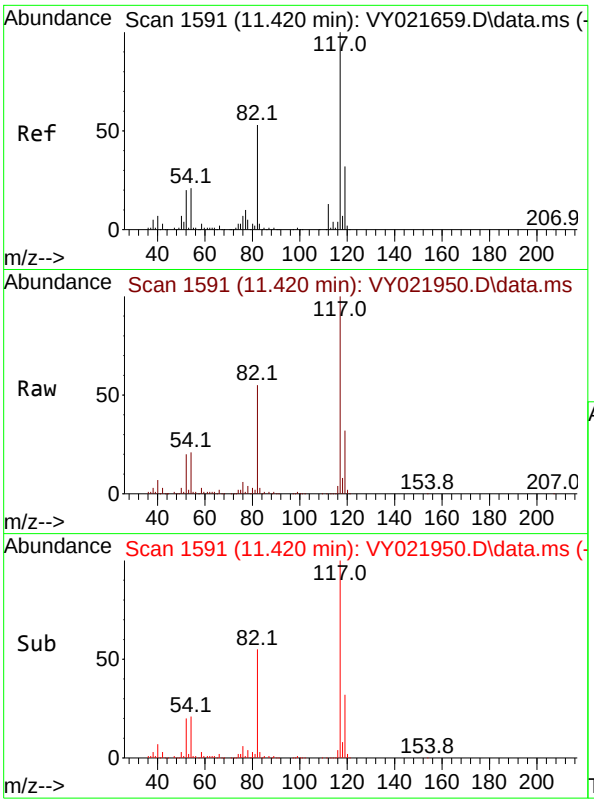


#62
4-Bromofluorobenzene
Concen: 38.921 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Tgt Ion: 95 Resp: 129483

Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	170.8
176	81.2	0.0	162.0



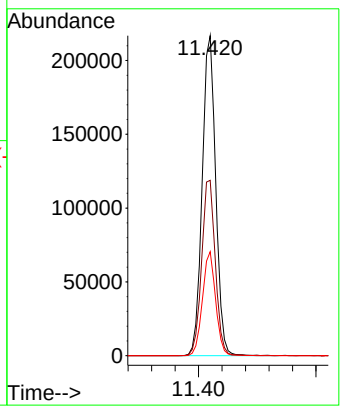


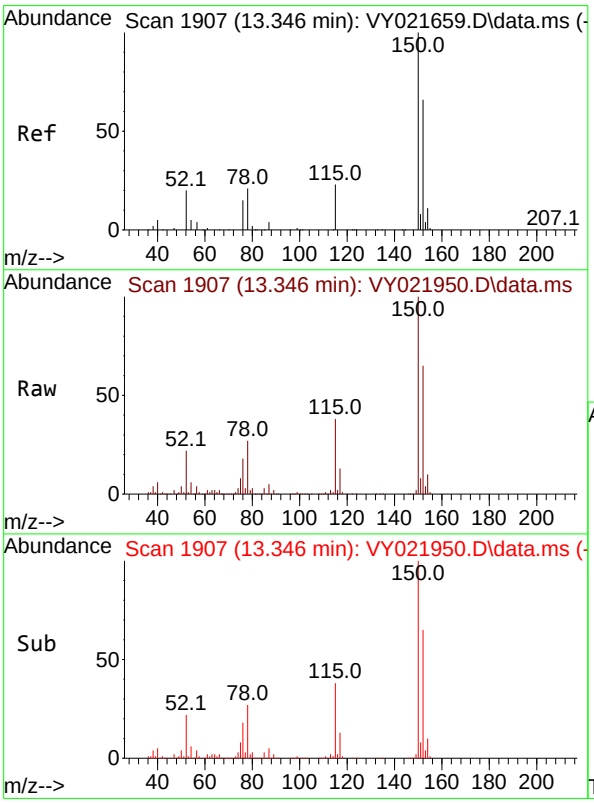
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Instrument :
MSVOA_Y
ClientSampleId :
GP7

Tgt Ion:117 Resp: 345335

Ion	Ratio	Lower	Upper
117	100		
82	54.8	42.8	64.2
119	32.5	25.7	38.5

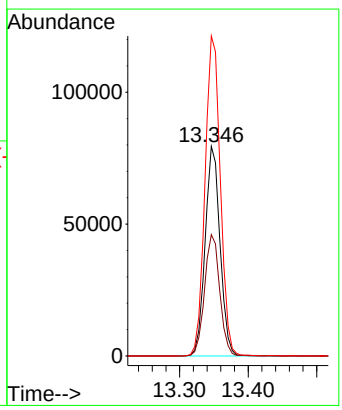




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Tgt Ion:152 Resp: 119952

Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.8	86.5
150	157.1	0.0	348.4



Sample Results: **VY021950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021950.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	464	476	485	rBV3	7443	24051	1.85%	0.382%
2	7.634	960	970	976	rBV2	190065	452387	34.86%	7.190%
3	7.713	976	983	996	rVB	275756	641386	49.43%	10.194%
4	8.061	1031	1040	1052	rBV	149445	341010	26.28%	5.420%
5	8.615	1122	1131	1146	rBV	481839	941755	72.58%	14.968%
6	10.109	1368	1376	1384	rBV	764577	1297601	100.00%	20.624%
7	11.420	1583	1591	1602	rBV	665624	1074194	82.78%	17.073%
8	12.407	1745	1753	1763	rBV	456027	714399	55.06%	11.354%
9	13.346	1900	1907	1919	rVB	482397	742448	57.22%	11.800%
10	13.889	1989	1996	2002	rBV2	39259	62619	4.83%	0.995%

Sum of corrected areas: 6291850

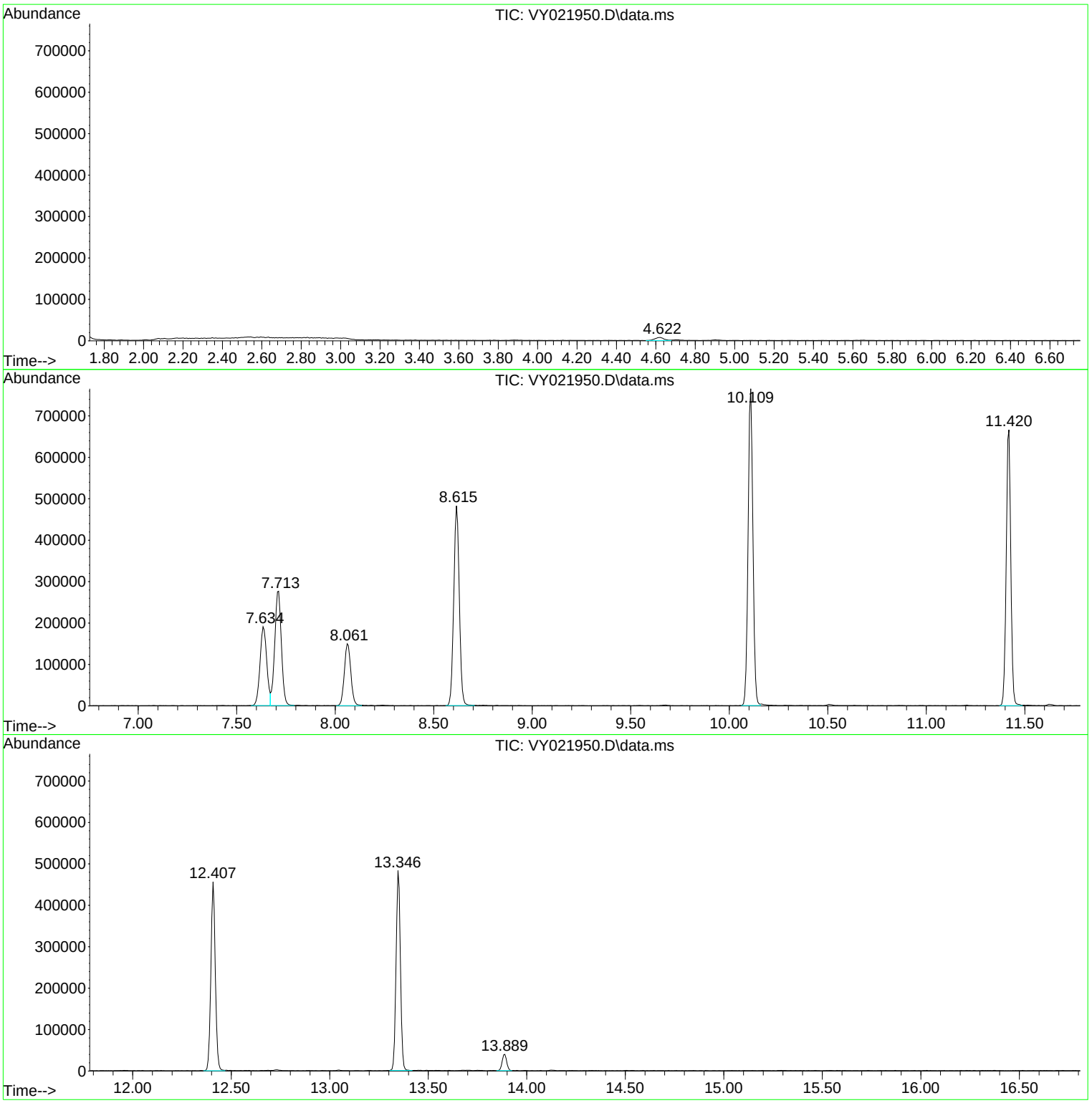
Sample Results: **VY021950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.6
Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.5
Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.9
Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.5
Tert butyl alcohol	0.043	0.038	0.034	0.034	0.029	0.032	0.035	13.5
1,1-Dichloroethene	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.2
Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.3
Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.4
Methyl tert-butyl Ether	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.9
Methylene Chloride	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.8
trans-1,2-Dichloroethene	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.3
1,1-Dichloroethane	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.3
2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.9
Carbon Tetrachloride	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.9
cis-1,2-Dichloroethene	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.3
Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.9
1,1,1-Trichloroethane	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.3
Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.6
1,2-Dichloroethane	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.1
Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.4
1,2-Dichloropropane	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.2
Bromodichloromethane	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6
4-Methyl-2-Pentanone	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.9
Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3
t-1,3-Dichloropropene	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.5
cis-1,3-Dichloropropene	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.6
1,1,2-Trichloroethane	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.9
2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.2
Dibromochloromethane	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.1
Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.3

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.3
Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.9
m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.2
o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.4
Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.8
Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.4
1,1,2,2-Tetrachloroethane	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.1
1,2-Dichloroethane-d4	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.5
Dibromofluoromethane	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7
Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.1
4-Bromofluorobenzene	0.447	0.410	0.378	0.439	0.424	0.407	0.417	6

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025
Response Via : Initial Calibration

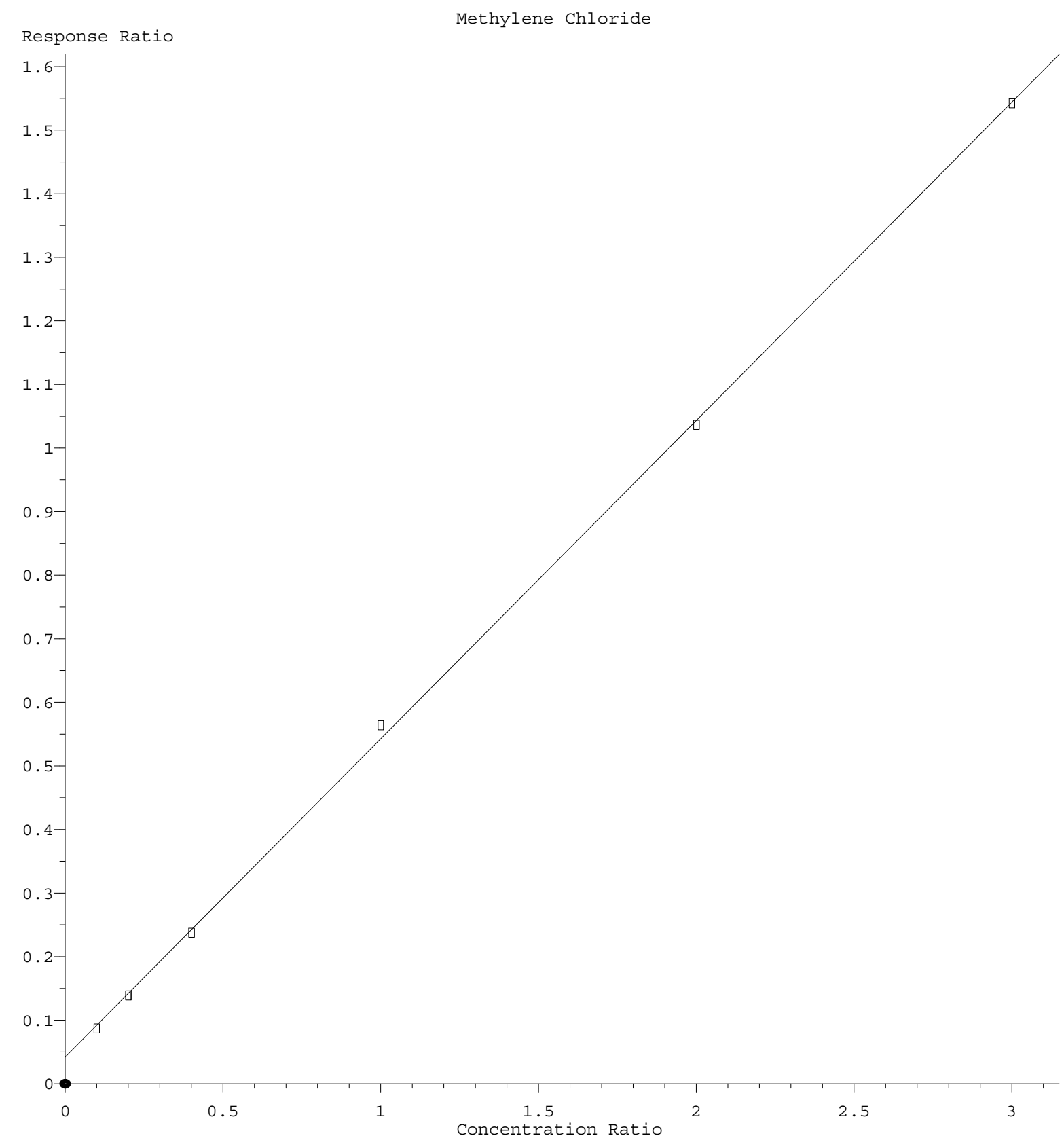
Calibration Files
5 =VY021656.D 10 =VY021657.D 20 =VY021658.D 50 =VY021659.D 100 =VY021660.D 150 =VY021661.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.38
3)	P	Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.61
4)	C	Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.48#
5)	T	Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.90
6)	T	Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.46
7)	T	Trichlorofluor...	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.48
8)	T	Diethyl Ether	0.332	0.309	0.284	0.275	0.256	0.266	0.287	9.95
9)	T	1,1,2-Trichlor...	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.39
10)	T	Methyl Iodide	0.567	0.581	0.610	0.655	0.631	0.620	0.611	5.34
11)	T	Tert butyl alc...	0.043	0.038	0.034	0.034	0.029	0.032	0.035	13.48
12)	CM	1,1-Dichloroet...	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.17#
13)	T	Acrolein	0.069	0.070	0.064	0.063	0.059	0.061	0.064	7.03
14)	T	Allyl chloride	0.897	0.866	0.803	0.837	0.814	0.801	0.836	4.60
15)	T	Acrylonitrile	0.132	0.128	0.116	0.121	0.109	0.113	0.120	7.45
16)	T	Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.31
17)	T	Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.40
18)	T	Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	10.97
19)	T	Methyl tert-bu...	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.90
20)	T	Methylene Chlo...	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.82
21)	T	trans-1,2-Dich...	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.32
22)	T	Diisopropyl ether	1.795	1.771	1.732	1.800	1.725	1.701	1.754	2.32
23)	T	Vinyl Acetate	1.026	1.036	1.000	1.066	1.004	1.025	1.026	2.33
24)	P	1,1-Dichloroet...	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.26
25)	T	2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.91
26)	T	2,2-Dichloropr...	1.063	0.962	0.896	0.920	0.886	0.870	0.933	7.63
27)	T	cis-1,2-Dichlo...	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.34
28)	T	Bromochloromet...	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.32
29)	T	Tetrahydrofuran	0.108	0.111	0.096	0.105	0.093	0.097	0.102	7.06
30)	C	Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.85#
31)	T	Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.12
32)	T	1,1,1-Trichlor...	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.31
33)	S	1,2-Dichloroet...	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.53
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7.00
36)	T	1,1-Dichloropr...	0.532	0.509	0.487	0.502	0.484	0.450	0.494	5.59
37)	T	Ethyl Acetate	0.270	0.256	0.217	0.236	0.211	0.210	0.233	10.82
38)	T	Carbon Tetrach...	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.89
39)	T	Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.50
40)	TM	Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.58
41)	T	Methacrylonitrile	0.134	0.132	0.111	0.137	0.114	0.116	0.124	9.32
42)	TM	1,2-Dichloroet...	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.15
43)	T	Isopropyl Acetate	0.471	0.474	0.408	0.451	0.420	0.426	0.442	6.29
44)	TM	Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.37
45)	C	1,2-Dichloropr...	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.15#
46)	T	Dibromomethane	0.225	0.220	0.192	0.198	0.191	0.185	0.202	8.23
47)	T	Bromodichlorom...	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6.02
48)	T	Methyl methacr...	0.212	0.205	0.179	0.210	0.206	0.203	0.203	5.87
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	3.07
50)	S	Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.12
51)	T	4-Methyl-2-Pen...	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.93
52)	CM	Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3.01#
53)	T	t-1,3-Dichloro...	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.47
54)	T	cis-1,3-Dichlo...	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.62
55)	T	1,1,2-Trichlor...	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.92
56)	T	Ethyl methacry...	0.287	0.309	0.314	0.366	0.356	0.359	0.332	9.82

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y032725S.M

57)	T	1,3-Dichloropr...	0.472	0.470	0.440	0.460	0.432	0.419	0.449	4.84
58)	T	2-Chloroethyl ...	0.142	0.153	0.151	0.180	0.173	0.172	0.162	9.22
59)	T	2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.25
60)	T	Dibromochlorom...	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.10
61)	T	1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.32
62)	S	4-Bromofluorob...	0.447	0.410	0.378	0.439	0.424	0.407	0.417	5.97
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.28
65)	PM	Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.26
66)	T	1,1,1,2-Tetrac...	0.448	0.409	0.390	0.412	0.400	0.382	0.407	5.67
67)	C	Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.93#
68)	T	m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.21
69)	T	o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.40
70)	T	Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.82
71)	P	Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.44
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.628	3.701	3.582	3.825	3.843	3.702	3.714	2.80
74)	T	N-amyl acetate	0.812	0.864	0.800	0.917	0.898	0.938	0.872	6.47
75)	P	1,1,2,2-Tetrac...	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.14
76)	T	1,2,3-Trichlor...	0.506	0.560	0.487	0.498	0.453	0.470	0.496	7.46
77)	T	Bromobenzene	0.946	0.909	0.852	0.889	0.886	0.867	0.892	3.71
78)	T	n-propylbenzene	4.347	4.457	4.349	4.617	4.612	4.408	4.465	2.75
79)	T	2-Chlorotoluene	2.616	2.634	2.535	2.645	2.603	2.526	2.593	1.96
80)	T	1,3,5-Trimethy...	2.917	3.001	2.982	3.147	3.141	3.023	3.035	3.01
81)	T	trans-1,4-Dich...	0.208	0.227	0.199	0.222	0.212	0.224	0.215	5.06
82)	T	4-Chlorotoluene	2.768	2.746	2.649	2.757	2.695	2.606	2.704	2.42
83)	T	tert-Butylbenzene	2.596	2.674	2.617	2.787	2.832	2.715	2.703	3.46
84)	T	1,2,4-Trimethy...	2.783	2.965	2.960	3.135	3.116	3.040	3.000	4.30
85)	T	sec-Butylbenzene	3.838	3.999	3.860	4.095	4.054	3.858	3.951	2.85
86)	T	p-Isopropyltol...	3.001	3.194	3.195	3.430	3.445	3.328	3.265	5.19
87)	T	1,3-Dichlorobe...	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.21
88)	T	1,4-Dichlorobe...	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.16
89)	T	n-Butylbenzene	2.890	2.933	2.932	3.173	3.166	3.025	3.020	4.11
90)	T	Hexachloroethane	0.798	0.720	0.677	0.707	0.709	0.683	0.716	6.06
91)	T	1,2-Dichlorobe...	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.91
92)	T	1,2-Dibromo-3-...	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.58
93)	T	1,2,4-Trichlor...	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.65
94)	T	Hexachlorobuta...	0.568	0.521	0.490	0.525	0.512	0.492	0.518	5.51
95)	T	Naphthalene	1.153	1.208	1.258	1.508	1.505	1.616	1.375	13.94
96)	T	1,2,3-Trichlor...	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.06

(#) = Out of Range



Response = 5.006e-001 * Amt + 4.197e-002
Coef of Det (r^2) = 0.999666 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032725S.M
Calibration Table Last Updated: Fri Mar 28 02:30:29 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	217101	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	350486	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	301382	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145682	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	13289	5.650	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.300%#			
35) Dibromofluoromethane	7.634	113	12519	5.506	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.020%#			
50) Toluene-d8	10.109	98	44774	5.177	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.360%#			
62) 4-Bromofluorobenzene	12.408	95	15657	5.352	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.700%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	13065	5.806	ug/l		98
3) Chloromethane	2.074	50	19017	6.010	ug/l		90
4) Vinyl Chloride	2.202	62	21214	5.928	ug/l		93
5) Bromomethane	2.598	94	15395	6.308	ug/l		99
6) Chloroethane	2.733	64	13977	5.969	ug/l		99
7) Trichlorofluoromethane	3.056	101	26311	5.740	ug/l		98
8) Diethyl Ether	3.458	74	7213	5.786	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.824	101	14493	5.995	ug/l		98
10) Methyl Iodide	4.007	142	12311	4.642	ug/l		98
11) Tert butyl alcohol	4.860	59	4636	30.344	ug/l	#	85
12) 1,1-Dichloroethene	3.793	96	12778	5.611	ug/l		92
13) Acrolein	3.653	56	7499	26.881	ug/l		93
14) Allyl chloride	4.385	41	19469	5.362	ug/l		97
15) Acrylonitrile	5.061	53	14337	27.546	ug/l	#	88
16) Acetone	3.873	43	15736	32.687	ug/l		100
17) Carbon Disulfide	4.110	76	42467	5.662	ug/l		99
18) Methyl Acetate	4.391	43	7141	5.985	ug/l		97
19) Methyl tert-butyl Ether	5.110	73	29969	5.286	ug/l		100
20) Methylene Chloride	4.616	84	18885	4.497	ug/l		96
21) trans-1,2-Dichloroethene	5.116	96	13763	5.489	ug/l		95
22) Diisopropyl ether	6.019	45	38980	5.118	ug/l		95
23) Vinyl Acetate	5.964	43	111357	24.992	ug/l		98
24) 1,1-Dichloroethane	5.915	63	25578	5.616	ug/l	#	94
25) 2-Butanone	6.896	43	19664	28.598	ug/l		96
26) 2,2-Dichloropropane	6.884	77	23073	5.695	ug/l		100
27) cis-1,2-Dichloroethene	6.896	96	15197	5.390	ug/l		99
28) Bromochloromethane	7.250	49	11139	5.799	ug/l		99
29) Tetrahydrofuran	7.262	42	11696	26.430	ug/l		99
30) Chloroform	7.421	83	26819	5.662	ug/l		95
31) Cyclohexane	7.707	56	25394	6.117	ug/l	#	88
32) 1,1,1-Trichloroethane	7.616	97	25069	5.856	ug/l		97
36) 1,1-Dichloropropene	7.835	75	18659	5.388	ug/l		99
37) Ethyl Acetate	6.988	43	9459	5.788	ug/l	#	95
38) Carbon Tetrachloride	7.817	117	22310	5.625	ug/l		95
39) Methylcyclohexane	9.109	83	20781	5.023	ug/l		97
40) Benzene	8.079	78	56287	5.427	ug/l		92

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4688m	5.402	ug/l		
42) 1,2-Dichloroethane	8.158	62	16381	5.603	ug/l		98
43) Isopropyl Acetate	8.195	43	16504	5.329	ug/l		97
44) Trichloroethene	8.866	130	14453	5.470	ug/l		98
45) 1,2-Dichloropropane	9.146	63	13429	5.470	ug/l		99
46) Dibromomethane	9.231	93	7882	5.571	ug/l		97
47) Bromodichloromethane	9.420	83	20008	5.458	ug/l		92
48) Methyl methacrylate	9.219	41	7427	5.225	ug/l		96
49) 1,4-Dioxane	9.231	88	1573	103.789	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	40601	25.191	ug/l		97
52) Toluene	10.176	92	32954	5.093	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	15986	4.909	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	19395	5.049	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	9802	5.384	ug/l		94
56) Ethyl methacrylate	10.438	69	10060	4.327	ug/l		93
57) 1,3-Dichloropropane	10.719	76	16534	5.258	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	24903	21.959	ug/l		98
59) 2-Hexanone	10.762	43	26991	25.145	ug/l		92
60) Dibromochloromethane	10.914	129	13002	5.231	ug/l		99
61) 1,2-Dibromoethane	11.018	107	9345	5.472	ug/l		100
64) Tetrachloroethene	10.652	164	16085	5.860	ug/l		93
65) Chlorobenzene	11.444	112	37505	5.429	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	13496	5.506	ug/l		97
67) Ethyl Benzene	11.524	91	58750	4.959	ug/l		98
68) m/p-Xylenes	11.633	106	43785	9.652	ug/l		97
69) o-Xylene	11.956	106	20041	4.786	ug/l		98
70) Styrene	11.975	104	32075	4.594	ug/l		99
71) Bromoform	12.133	173	7253	5.187	ug/l	#	98
73) Isopropylbenzene	12.255	105	52860	4.885	ug/l		99
74) N-amyl acetate	12.072	43	11835	4.660	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	11133	5.723	ug/l		95
76) 1,2,3-Trichloropropane	12.554	75	7373m	5.106	ug/l		
77) Bromobenzene	12.536	156	13783	5.305	ug/l		97
78) n-propylbenzene	12.597	91	63324	4.868	ug/l		100
79) 2-Chlorotoluene	12.682	91	38107	5.044	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	42499	4.806	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	3023	4.823	ug/l		88
82) 4-Chlorotoluene	12.779	91	40326	5.119	ug/l		100
83) tert-Butylbenzene	12.999	119	37817	4.801	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	40547	4.639	ug/l		99
85) sec-Butylbenzene	13.176	105	55918	4.858	ug/l		100
86) p-Isopropyltoluene	13.292	119	43714	4.595	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	27604	5.393	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	27332	5.405	ug/l		94
89) n-Butylbenzene	13.621	91	42102	4.785	ug/l		96
90) Hexachloroethane	13.883	117	11619	5.573	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	23277	5.224	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1634	5.419	ug/l		91
93) 1,2,4-Trichlorobenzene	14.925	180	11228	4.647	ug/l		97
94) Hexachlorobutadiene	15.029	225	8276	5.484	ug/l		96
95) Naphthalene	15.151	128	16796	4.194	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	9518	4.619	ug/l		96

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

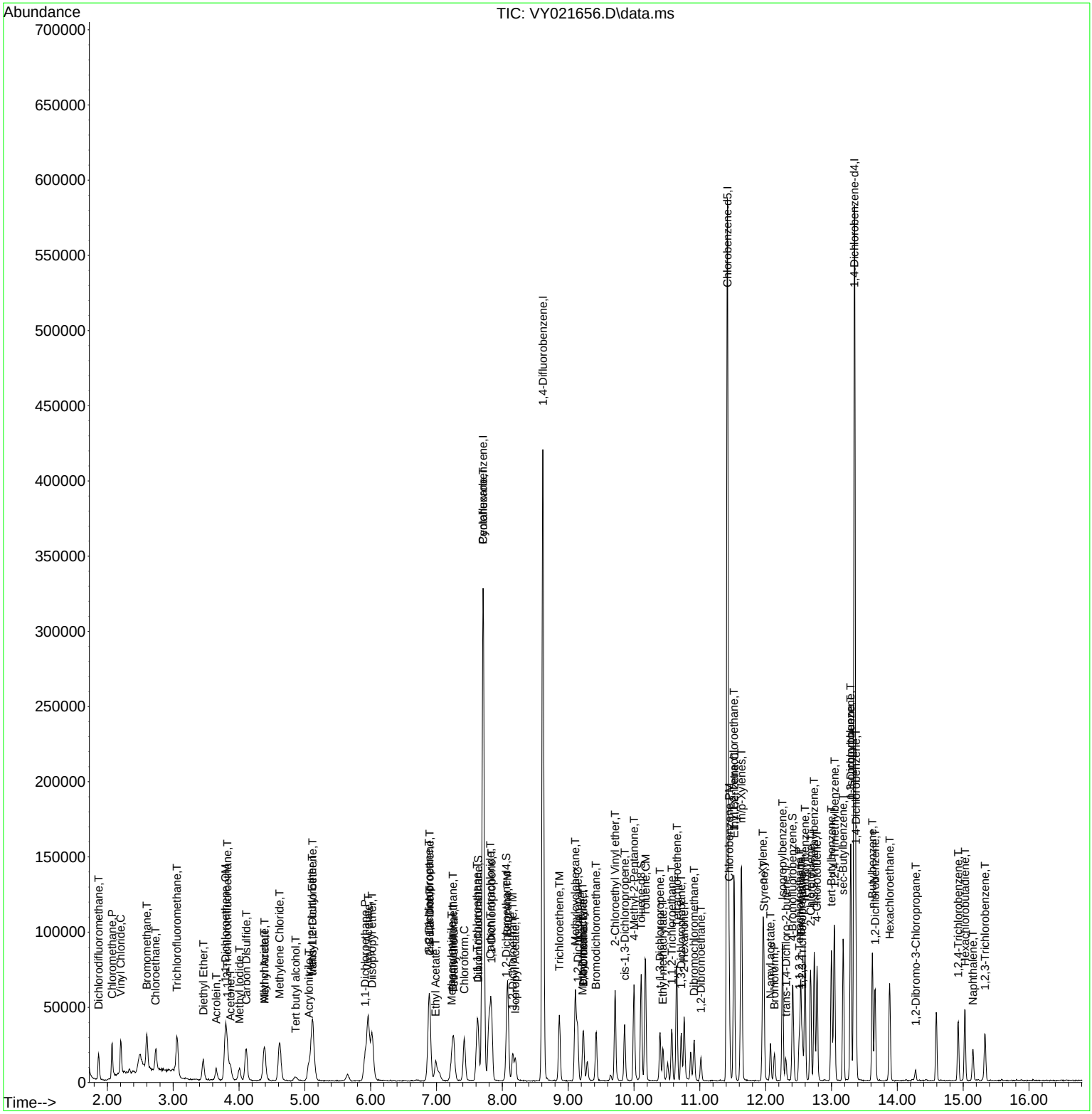
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	225523	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	354785	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	311737	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152005	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	25195	10.311	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.620%#			
35) Dibromofluoromethane	7.634	113	22797	9.906	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.820%#			
50) Toluene-d8	10.103	98	88000	10.051	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.100%#			
62) 4-Bromofluorobenzene	12.408	95	29125	9.835	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.660%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	26017	11.130	ug/l		99
3) Chloromethane	2.068	50	34949	10.633	ug/l		99
4) Vinyl Chloride	2.202	62	39982	10.756	ug/l		96
5) Bromomethane	2.592	94	27670	10.914	ug/l		97
6) Chloroethane	2.733	64	25703	10.567	ug/l		98
7) Trichlorofluoromethane	3.056	101	50711	10.650	ug/l		100
8) Diethyl Ether	3.452	74	13940	10.765	ug/l		95
9) 1,1,2-Trichlorotrifluo...	3.818	101	27088	10.786	ug/l		98
10) Methyl Iodide	4.001	142	26193	9.507	ug/l		99
11) Tert butyl alcohol	4.860	59	8671	54.634	ug/l	#	87
12) 1,1-Dichloroethene	3.793	96	25446	10.757	ug/l		88
13) Acrolein	3.653	56	15799	54.518	ug/l		100
14) Allyl chloride	4.379	41	39045	10.352	ug/l		97
15) Acrylonitrile	5.055	53	28866	53.389	ug/l		98
16) Acetone	3.867	43	27669	55.329	ug/l		99
17) Carbon Disulfide	4.104	76	82458	10.583	ug/l	#	94
18) Methyl Acetate	4.385	43	12911	10.417	ug/l		100
19) Methyl tert-butyl Ether	5.110	73	60205	10.223	ug/l		98
20) Methylene Chloride	4.616	84	31313	9.677	ug/l		97
21) trans-1,2-Dichloroethene	5.110	96	27407	10.523	ug/l		96
22) Diisopropyl ether	6.012	45	79874	10.095	ug/l		93
23) Vinyl Acetate	5.958	43	233596	50.469	ug/l		98
24) 1,1-Dichloroethane	5.915	63	49217	10.403	ug/l		98
25) 2-Butanone	6.890	43	37356	52.299	ug/l		97
26) 2,2-Dichloropropane	6.884	77	43412	10.316	ug/l		99
27) cis-1,2-Dichloroethene	6.890	96	29699	10.140	ug/l		100
28) Bromochloromethane	7.244	49	21186	10.618	ug/l		99
29) Tetrahydrofuran	7.262	42	25111	54.625	ug/l		97
30) Chloroform	7.421	83	51464	10.459	ug/l		98
31) Cyclohexane	7.701	56	46569	10.798	ug/l	#	90
32) 1,1,1-Trichloroethane	7.616	97	45673	10.270	ug/l		98
36) 1,1-Dichloropropene	7.835	75	36121	10.304	ug/l		99
37) Ethyl Acetate	6.988	43	18146	10.969	ug/l		98
38) Carbon Tetrachloride	7.817	117	42141	10.496	ug/l		98
39) Methylcyclohexane	9.103	83	42492	10.147	ug/l		98
40) Benzene	8.079	78	108360	10.322	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.226	41	9343m	10.635 ug/l		
42) 1,2-Dichloroethane	8.158	62	31606	10.679 ug/l		100
43) Isopropyl Acetate	8.195	43	33664	10.738 ug/l	#	87
44) Trichloroethene	8.866	130	28275	10.571 ug/l		95
45) 1,2-Dichloropropane	9.140	63	25943	10.440 ug/l		99
46) Dibromomethane	9.231	93	15605	10.896 ug/l		94
47) Bromodichloromethane	9.427	83	38737	10.439 ug/l		99
48) Methyl methacrylate	9.219	41	14576	10.130 ug/l		98
49) 1,4-Dioxane	9.231	88	3077	200.565 ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	85020	52.111 ug/l		98
52) Toluene	10.170	92	66889	10.212 ug/l		100
53) t-1,3-Dichloropropene	10.396	75	33356	10.120 ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	39609	10.186 ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	20050	10.879 ug/l		95
56) Ethyl methacrylate	10.439	69	21901	9.307 ug/l		96
57) 1,3-Dichloropropane	10.713	76	33316	10.467 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	54271	47.274 ug/l		98
59) 2-Hexanone	10.762	43	54649	50.295 ug/l		100
60) Dibromochloromethane	10.914	129	26032	10.346 ug/l		94
61) 1,2-Dibromoethane	11.018	107	17722	10.251 ug/l		97
64) Tetrachloroethene	10.646	164	31334	11.036 ug/l		93
65) Chlorobenzene	11.444	112	73433	10.276 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	25506	10.060 ug/l		97
67) Ethyl Benzene	11.518	91	119480	9.750 ug/l		98
68) m/p-Xylenes	11.627	106	93887	20.009 ug/l		99
69) o-Xylene	11.957	106	41768	9.643 ug/l		98
70) Styrene	11.969	104	69196	9.581 ug/l		99
71) Bromoform	12.127	173	14887	10.294 ug/l	#	98
73) Isopropylbenzene	12.255	105	112512	9.966 ug/l		100
74) N-amyl acetate	12.072	43	26259	9.910 ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	21883	10.781 ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	17026m	11.300 ug/l		
77) Bromobenzene	12.530	156	27648	10.199 ug/l		98
78) n-propylbenzene	12.597	91	135498	9.983 ug/l		99
79) 2-Chlorotoluene	12.682	91	80079	10.158 ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91235	9.888 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	6899	10.550 ug/l		99
82) 4-Chlorotoluene	12.780	91	83484	10.157 ug/l		100
83) tert-Butylbenzene	12.999	119	81296	9.892 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	90142	9.884 ug/l		100
85) sec-Butylbenzene	13.176	105	121575	10.122 ug/l		99
86) p-Isopropyltoluene	13.292	119	97092	9.781 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	53929	10.098 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	54536	10.336 ug/l		95
89) n-Butylbenzene	13.615	91	89162	9.712 ug/l		98
90) Hexachloroethane	13.877	117	21881	10.059 ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	48845	10.506 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3387	10.766 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	23748	9.419 ug/l		99
94) Hexachlorobutadiene	15.023	225	15844	10.063 ug/l		99
95) Naphthalene	15.145	128	36711	8.785 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	20711	9.633 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

ICAL Form

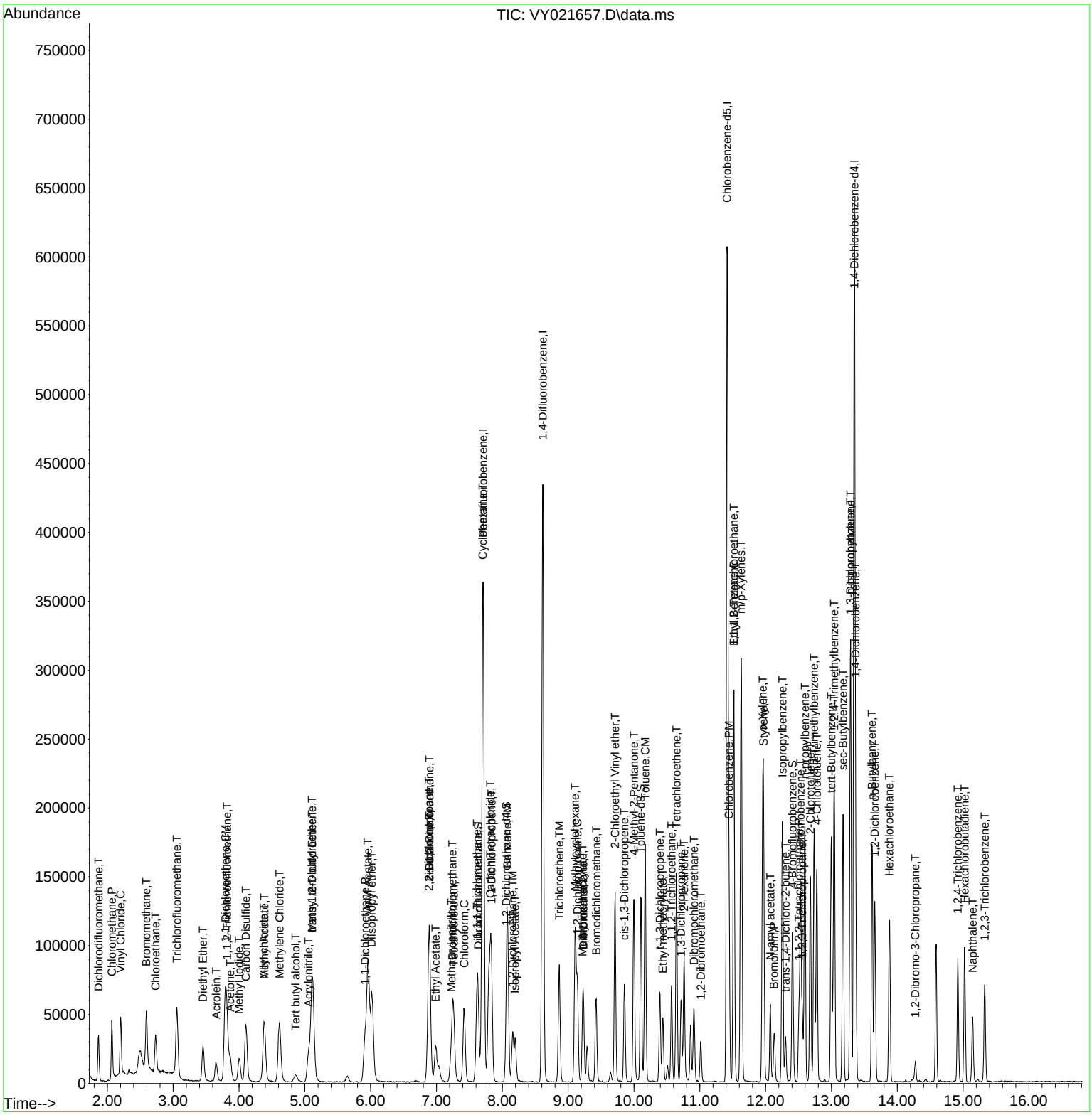
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	234060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	325153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47022	18.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.080%#		
35) Dibromofluoromethane	7.634	113	43318	17.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.820%#		
50) Toluene-d8	10.109	98	168040	18.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.520%#		
62) 4-Bromofluorobenzene	12.408	95	56308	18.092	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.180%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	46121	19.011	ug/l	98
3) Chloromethane	2.068	50	66775	19.575	ug/l	100
4) Vinyl Chloride	2.202	62	75860	19.664	ug/l	98
5) Bromomethane	2.586	94	50238	19.093	ug/l	91
6) Chloroethane	2.733	64	50953	20.184	ug/l	96
7) Trichlorofluoromethane	3.056	101	103348	20.913	ug/l	98
8) Diethyl Ether	3.452	74	26594	19.788	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	51794	19.871	ug/l	99
10) Methyl Iodide	4.001	142	57115	19.974	ug/l	97
11) Tert butyl alcohol	4.860	59	16115	97.834	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	47534	19.362	ug/l	98
13) Acrolein	3.653	56	29827	99.170	ug/l	99
14) Allyl chloride	4.385	41	75169	19.203	ug/l	98
15) Acrylonitrile	5.061	53	54478	97.084	ug/l	97
16) Acetone	3.866	43	47787	92.073	ug/l	97
17) Carbon Disulfide	4.104	76	159960	19.782	ug/l	98
18) Methyl Acetate	4.385	43	25160	19.560	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	116736	19.099	ug/l	99
20) Methylene Chloride	4.610	84	55574	19.525	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53188	19.677	ug/l	96
22) Diisopropyl ether	6.019	45	162151	19.747	ug/l	96
23) Vinyl Acetate	5.958	43	468035	97.433	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95841	19.520	ug/l	98
25) 2-Butanone	6.896	43	69856	94.233	ug/l	97
26) 2,2-Dichloropropane	6.884	77	83932	19.217	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	58567	19.266	ug/l	99
28) Bromochloromethane	7.238	49	39653	19.149	ug/l	99
29) Tetrahydrofuran	7.262	42	45146	94.626	ug/l	100
30) Chloroform	7.415	83	99390	19.462	ug/l	98
31) Cyclohexane	7.701	56	85377	19.075	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	89818	19.459	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72566	19.697	ug/l	99
37) Ethyl Acetate	6.988	43	32313	18.585	ug/l	97
38) Carbon Tetrachloride	7.817	117	81472	19.308	ug/l	97
39) Methylcyclohexane	9.109	83	84802	19.269	ug/l	97
40) Benzene	8.079	78	213074	19.313	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16483	17.853	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	59552	19.146	ug/l		99
43) Isopropyl Acetate	8.195	43	60795	18.451	ug/l	#	87
44) Trichloroethene	8.866	130	54015	19.215	ug/l		95
45) 1,2-Dichloropropane	9.140	63	49850	19.088	ug/l		98
46) Dibromomethane	9.231	93	28698	19.067	ug/l		97
47) Bromodichloromethane	9.420	83	75123	19.262	ug/l		99
48) Methyl methacrylate	9.219	41	26759	17.695	ug/l		94
49) 1,4-Dioxane	9.225	88	6260	388.254	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	163415	95.304	ug/l		98
52) Toluene	10.170	92	133126	19.340	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	65536	18.919	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	78753	19.271	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	37073	19.140	ug/l		98
56) Ethyl methacrylate	10.438	69	46833	18.936	ug/l		97
57) 1,3-Dichloropropane	10.719	76	65563	19.600	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	112947	93.615	ug/l		98
59) 2-Hexanone	10.762	43	107618	94.241	ug/l		99
60) Dibromochloromethane	10.908	129	50740	19.187	ug/l		100
61) 1,2-Dibromoethane	11.018	107	34293	18.874	ug/l		97
64) Tetrachloroethene	10.646	164	58923	19.897	ug/l		97
65) Chlorobenzene	11.444	112	144411	19.375	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	50703	19.173	ug/l		98
67) Ethyl Benzene	11.518	91	249430	19.515	ug/l		98
68) m/p-Xylenes	11.627	106	193566	39.549	ug/l		99
69) o-Xylene	11.957	106	87927	19.462	ug/l		98
70) Styrene	11.969	104	147490	19.580	ug/l		99
71) Bromoform	12.133	173	29726	19.706	ug/l	#	100
73) Isopropylbenzene	12.255	105	234386	19.290	ug/l		100
74) N-amyl acetate	12.072	43	52342	18.355	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40279	18.438	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	31855m	19.644	ug/l		
77) Bromobenzene	12.530	156	55776	19.119	ug/l		99
78) n-propylbenzene	12.597	91	284563	19.480	ug/l		100
79) 2-Chlorotoluene	12.682	91	165911	19.555	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	195141	19.651	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13021	18.502	ug/l		97
82) 4-Chlorotoluene	12.780	91	173311	19.593	ug/l		100
83) tert-Butylbenzene	12.999	119	171216	19.357	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	193683	19.734	ug/l		99
85) sec-Butylbenzene	13.176	105	252573	19.540	ug/l		100
86) p-Isopropyltoluene	13.292	119	209041	19.567	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	111682	19.431	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	111508	19.636	ug/l		98
89) n-Butylbenzene	13.615	91	191838	19.416	ug/l		99
90) Hexachloroethane	13.877	117	44313	18.928	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	97912	19.569	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6369	18.811	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	51474	18.971	ug/l		100
94) Hexachlorobutadiene	15.023	225	32055	18.916	ug/l		99
95) Naphthalene	15.145	128	82325	18.305	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	44047	19.037	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

ICAL Form

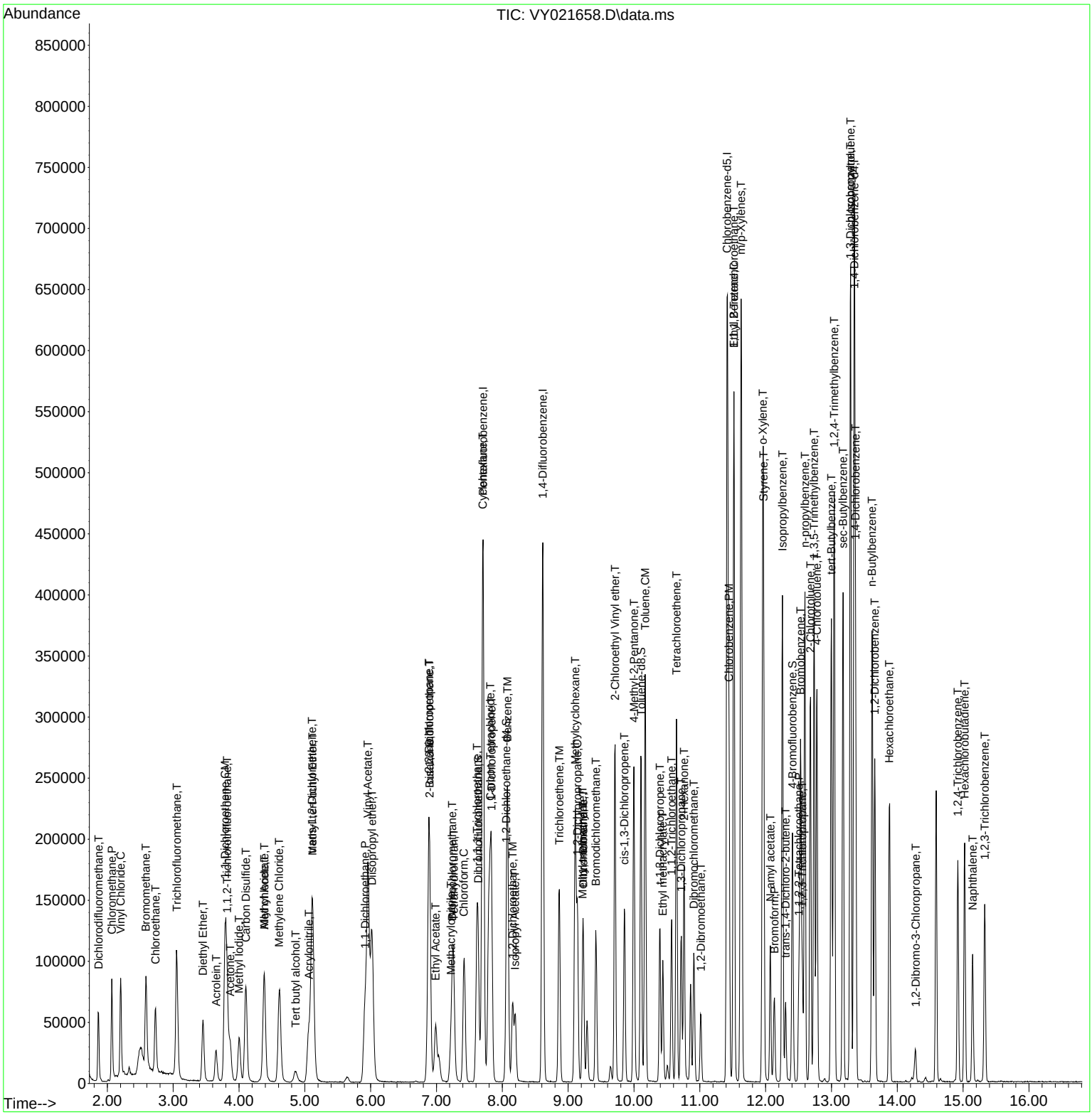
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	238234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	369963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	329626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130485	50.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.100%			
35) Dibromofluoromethane	7.634	113	125415	52.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.520%			
50) Toluene-d8	10.109	98	483058	52.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.820%			
62) 4-Bromofluorobenzene	12.407	95	162384	52.583	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	120589	48.836	ug/l	100
3) Chloromethane	2.068	50	164961	47.510	ug/l	100
4) Vinyl Chloride	2.202	62	190491	48.513	ug/l	100
5) Bromomethane	2.592	94	122288	45.662	ug/l	100
6) Chloroethane	2.732	64	122027	47.492	ug/l	100
7) Trichlorofluoromethane	3.055	101	241339	47.980	ug/l	100
8) Diethyl Ether	3.452	74	65605	47.960	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	127763	48.159	ug/l	100
10) Methyl Iodide	4.007	142	156113	53.639	ug/l	100
11) Tert butyl alcohol	4.860	59	40298	240.362	ug/l	100
12) 1,1-Dichloroethene	3.787	96	122422	48.991	ug/l	100
13) Acrolein	3.647	56	75366	246.189	ug/l	100
14) Allyl chloride	4.385	41	199515	50.077	ug/l	100
15) Acrylonitrile	5.061	53	144175	252.430	ug/l	100
16) Acetone	3.872	43	127702	241.737	ug/l	100
17) Carbon Disulfide	4.104	76	404128	49.101	ug/l	100
18) Methyl Acetate	4.385	43	63249	48.309	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	315679	50.742	ug/l	100
20) Methylene Chloride	4.616	84	134344	52.136	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	135112	49.108	ug/l	100
22) Diisopropyl ether	6.018	45	428881	51.315	ug/l	100
23) Vinyl Acetate	5.957	43	1269853	259.718	ug/l	100
24) 1,1-Dichloroethane	5.915	63	247826	49.589	ug/l	100
25) 2-Butanone	6.896	43	189416	251.037	ug/l	100
26) 2,2-Dichloropropane	6.884	77	219131	49.293	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	155365	50.214	ug/l	100
28) Bromochloromethane	7.244	49	101413	48.116	ug/l	100
29) Tetrahydrofuran	7.262	42	125387	258.206	ug/l	100
30) Chloroform	7.421	83	257511	49.541	ug/l	100
31) Cyclohexane	7.701	56	218689	48.004	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	230441	49.051	ug/l	100
36) 1,1-Dichloropropene	7.835	75	185559	50.763	ug/l	100
37) Ethyl Acetate	6.988	43	87321	50.617	ug/l	100
38) Carbon Tetrachloride	7.823	117	208537	49.810	ug/l	100
39) Methylcyclohexane	9.109	83	229134	52.472	ug/l	100
40) Benzene	8.079	78	554462	50.649	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	50658m	55.298	ug/l	
42) 1,2-Dichloroethane	8.158	62	155365	50.343	ug/l	100
43) Isopropyl Acetate	8.195	43	166982	51.076	ug/l	100
44) Trichloroethene	8.865	130	138449	49.637	ug/l	100
45) 1,2-Dichloropropane	9.140	63	130586	50.395	ug/l	100
46) Dibromomethane	9.231	93	73435	49.174	ug/l	100
47) Bromodichloromethane	9.420	83	194399	50.237	ug/l	100
48) Methyl methacrylate	9.219	41	77877	51.902	ug/l	100
49) 1,4-Dioxane	9.225	88	16481	1030.192	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	445564	261.893	ug/l	100
52) Toluene	10.170	92	351715	51.496	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	179747	52.296	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	209143	51.579	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96578	50.254	ug/l	100
56) Ethyl methacrylate	10.438	69	135272	55.124	ug/l	100
57) 1,3-Dichloropropane	10.719	76	170109	51.252	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	332369	277.643	ug/l	100
59) 2-Hexanone	10.761	43	302538	267.012	ug/l	100
60) Dibromochloromethane	10.908	129	134696	51.334	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93866	52.067	ug/l	100
64) Tetrachloroethene	10.646	164	147971	49.288	ug/l	100
65) Chlorobenzene	11.444	112	380661	50.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135660	50.602	ug/l	100
67) Ethyl Benzene	11.517	91	676205	52.188	ug/l	100
68) m/p-Xylenes	11.627	106	519154	104.634	ug/l	100
69) o-Xylene	11.956	106	243359	53.135	ug/l	100
70) Styrene	11.969	104	406215	53.195	ug/l	100
71) Bromoform	12.133	173	78206	51.140	ug/l	100
73) Isopropylbenzene	12.255	105	642393	51.505	ug/l	100
74) N-amyl acetate	12.072	43	154054	52.630	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	110292	49.185	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	83656m	50.257	ug/l	
77) Bromobenzene	12.529	156	149323	49.864	ug/l	100
78) n-propylbenzene	12.596	91	775252	51.702	ug/l	100
79) 2-Chlorotoluene	12.682	91	444178	51.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	528425	51.839	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	37240	51.550	ug/l	100
82) 4-Chlorotoluene	12.779	91	463024	50.995	ug/l	100
83) tert-Butylbenzene	12.999	119	467961	51.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	526387	52.248	ug/l	100
85) sec-Butylbenzene	13.176	105	687573	51.820	ug/l	100
86) p-Isopropyltoluene	13.291	119	576012	52.525	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	293534	49.752	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	292315	50.147	ug/l	100
89) n-Butylbenzene	13.615	91	532897	52.544	ug/l	100
90) Hexachloroethane	13.877	117	118708	49.396	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255877	49.821	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17123	49.268	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	147434	52.935	ug/l	100
94) Hexachlorobutadiene	15.023	225	88090	50.642	ug/l	100
95) Naphthalene	15.145	128	253209	54.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	125294	52.754	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

ICAL Form

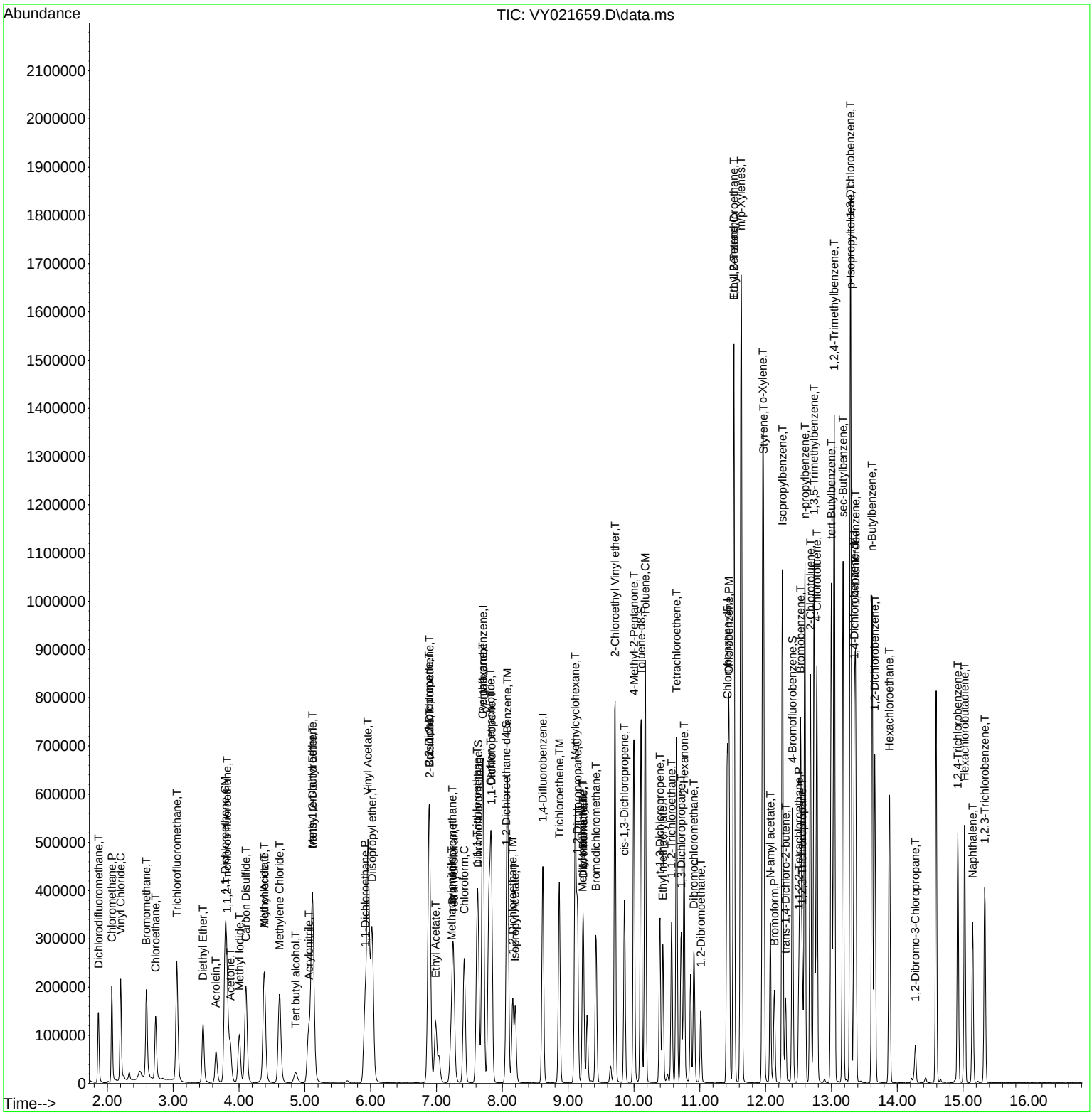
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	248041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	252968	94.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 188.260%#			
35) Dibromofluoromethane	7.634	113	247380	100.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 200.360%#			
50) Toluene-d8	10.103	98	953346	101.480	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 202.960%#			
62) 4-Bromofluorobenzene	12.408	95	322469	101.481	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 202.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	240555	93.569	ug/l	100
3) Chloromethane	2.068	50	333313	92.202	ug/l	100
4) Vinyl Chloride	2.202	62	375853	91.934	ug/l	100
5) Bromomethane	2.586	94	245057	87.885	ug/l	97
6) Chloroethane	2.733	64	242934	90.810	ug/l	97
7) Trichlorofluoromethane	3.056	101	479554	91.568	ug/l	97
8) Diethyl Ether	3.452	74	127148	89.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	252877	91.550	ug/l	100
10) Methyl Iodide	4.001	142	313241	103.371	ug/l	99
11) Tert butyl alcohol	4.854	59	72464	415.131	ug/l	97
12) 1,1-Dichloroethene	3.787	96	245873	94.504	ug/l	98
13) Acrolein	3.647	56	145527	456.581	ug/l	99
14) Allyl chloride	4.379	41	403587	97.292	ug/l	99
15) Acrylonitrile	5.061	53	269979	454.005	ug/l	99
16) Acetone	3.867	43	215263	391.376	ug/l	98
17) Carbon Disulfide	4.104	76	805100	93.952	ug/l	98
18) Methyl Acetate	4.379	43	120373	88.304	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	622864	96.160	ug/l	100
20) Methylene Chloride	4.616	84	257053	99.325	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	273524	95.485	ug/l	98
22) Diisopropyl ether	6.019	45	855783	98.345	ug/l	97
23) Vinyl Acetate	5.958	43	2490861	489.304	ug/l	99
24) 1,1-Dichloroethane	5.915	63	492205	94.595	ug/l	99
25) 2-Butanone	6.890	43	348017	442.999	ug/l	99
26) 2,2-Dichloropropane	6.884	77	439519	94.960	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	312849	97.115	ug/l	100
28) Bromochloromethane	7.244	49	208162	94.860	ug/l	99
29) Tetrahydrofuran	7.262	42	231439	457.752	ug/l	98
30) Chloroform	7.421	83	509194	94.087	ug/l	98
31) Cyclohexane	7.701	56	439720	92.706	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	460680	94.182	ug/l	99
36) 1,1-Dichloropropene	7.835	75	368741	98.035	ug/l	99
37) Ethyl Acetate	6.982	43	160700	90.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	416779	96.746	ug/l	99
39) Methylcyclohexane	9.110	83	465789	103.663	ug/l	98
40) Benzene	8.079	78	1100425	97.692	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	86888	92.176	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	298349	93.952	ug/l		100
43) Isopropyl Acetate	8.195	43	320092	95.153	ug/l		99
44) Trichloroethene	8.866	130	278937	97.190	ug/l		99
45) 1,2-Dichloropropane	9.140	63	259066	97.163	ug/l		99
46) Dibromomethane	9.231	93	145186	94.482	ug/l		97
47) Bromodichloromethane	9.420	83	386864	97.159	ug/l		99
48) Methyl methacrylate	9.219	41	157046	101.718	ug/l		98
49) 1,4-Dioxane	9.225	88	31647	1922.485	ug/l		92
51) 4-Methyl-2-Pentanone	10.000	43	846126	483.331	ug/l		100
52) Toluene	10.170	92	706197	100.486	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	361283	102.153	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	418099	100.208	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	187977	95.058	ug/l		97
56) Ethyl methacrylate	10.439	69	271036	107.339	ug/l		98
57) 1,3-Dichloropropane	10.719	76	329063	96.352	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	657953	534.142	ug/l		100
59) 2-Hexanone	10.762	43	565086	484.686	ug/l		99
60) Dibromochloromethane	10.908	129	265151	98.207	ug/l		100
61) 1,2-Dibromoethane	11.012	107	177158	95.501	ug/l		98
64) Tetrachloroethene	10.646	164	279279	90.401	ug/l		98
65) Chlorobenzene	11.438	112	757197	97.381	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	271119	98.275	ug/l		100
67) Ethyl Benzene	11.518	91	1372249	102.918	ug/l		100
68) m/p-Xylenes	11.627	106	1050156	205.681	ug/l		99
69) o-Xylene	11.957	106	491895	104.369	ug/l		98
70) Styrene	11.969	104	833734	106.098	ug/l		99
71) Bromoform	12.133	173	152683	97.024	ug/l		100
73) Isopropylbenzene	12.255	105	1298221	103.486	ug/l		100
74) N-amyl acetate	12.072	43	303328	103.027	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	209094	92.706	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	152979m	91.372	ug/l		
77) Bromobenzene	12.530	156	299163	99.323	ug/l		98
78) n-propylbenzene	12.597	91	1557825	103.290	ug/l		100
79) 2-Chlorotoluene	12.676	91	879334	100.382	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1060963	103.480	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	71448	98.330	ug/l		99
82) 4-Chlorotoluene	12.780	91	910295	99.676	ug/l		99
83) tert-Butylbenzene	12.999	119	956705	104.762	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1052663	103.880	ug/l		100
85) sec-Butylbenzene	13.176	105	1369601	102.624	ug/l		100
86) p-Isopropyltoluene	13.292	119	1163796	105.509	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	583838	98.384	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	565293	96.416	ug/l		99
89) n-Butylbenzene	13.615	91	1069356	104.828	ug/l		100
90) Hexachloroethane	13.877	117	239487	99.078	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	502045	97.186	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32558	93.136	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	293988	104.943	ug/l		99
94) Hexachlorobutadiene	15.023	225	172909	98.829	ug/l		99
95) Naphthalene	15.145	128	508449	109.498	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	248821	104.158	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

ICAL Form

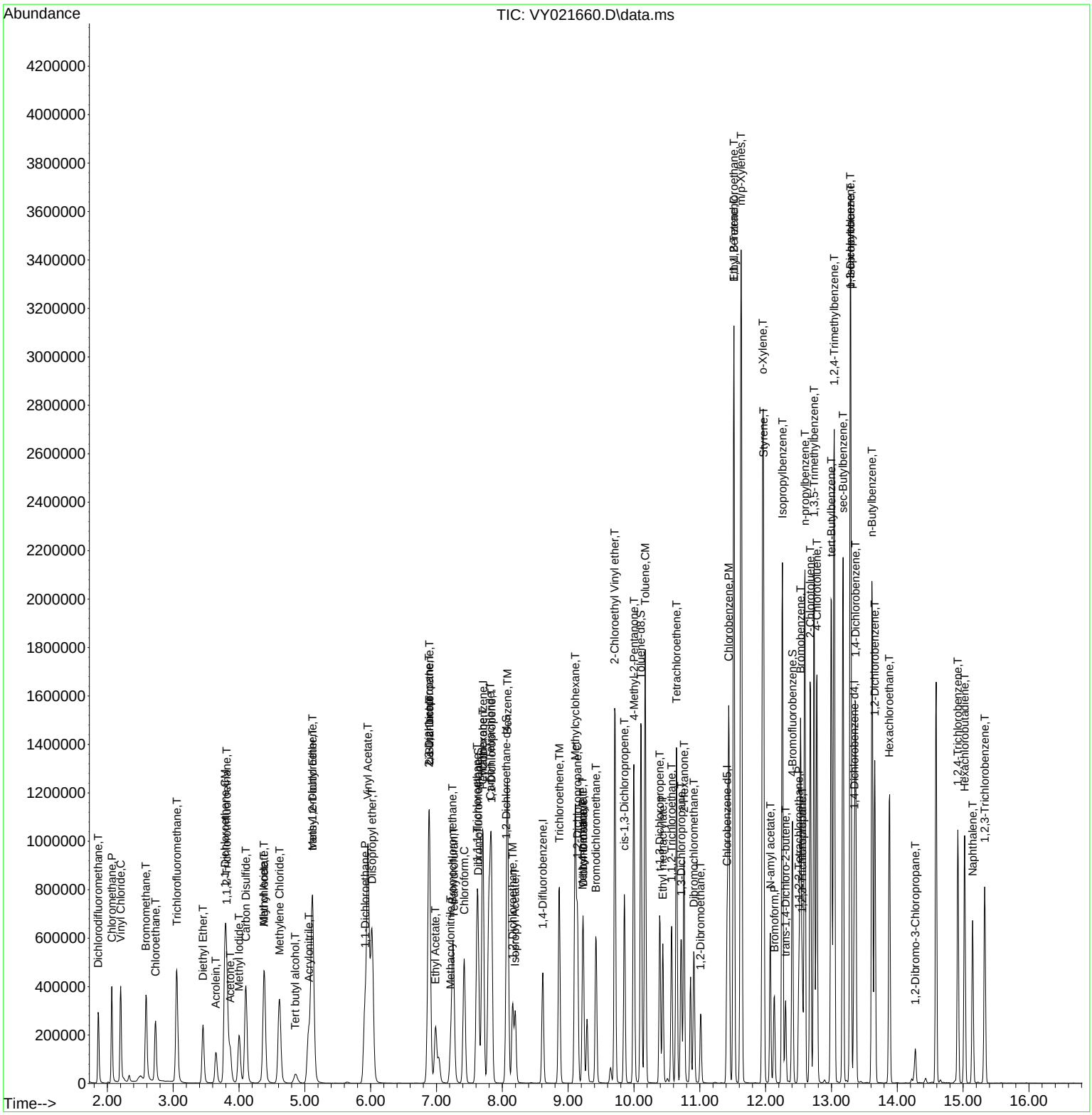
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	259676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	177289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	404952	143.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 287.860%#			
35) Dibromofluoromethane	7.634	113	387439	144.862	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.720%#			
50) Toluene-d8	10.109	98	1485725	146.020	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 292.040%#			
62) 4-Bromofluorobenzene	12.408	95	503406	146.271	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 292.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	348314	129.414	ug/l	99
3) Chloromethane	2.068	50	501654	132.551	ug/l	100
4) Vinyl Chloride	2.202	62	555909	129.884	ug/l	99
5) Bromomethane	2.580	94	394188	135.035	ug/l	99
6) Chloroethane	2.727	64	370633	132.337	ug/l	98
7) Trichlorofluoromethane	3.050	101	712314	129.919	ug/l	99
8) Diethyl Ether	3.452	74	206844	138.727	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	368788	127.532	ug/l	99
10) Methyl Iodide	4.001	142	483364	152.366	ug/l	99
11) Tert butyl alcohol	4.860	59	126577	692.642	ug/l	97
12) 1,1-Dichloroethene	3.787	96	371412	136.361	ug/l	97
13) Acrolein	3.647	56	236449	708.604	ug/l	99
14) Allyl chloride	4.379	41	623865	143.656	ug/l	100
15) Acrylonitrile	5.055	53	439757	706.375	ug/l	99
16) Acetone	3.867	43	395370	686.626	ug/l	99
17) Carbon Disulfide	4.104	76	1209296	134.797	ug/l	99
18) Methyl Acetate	4.379	43	199951	140.110	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1006156	148.374	ug/l	98
20) Methylene Chloride	4.616	84	400434	149.840	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	417906	139.351	ug/l	98
22) Diisopropyl ether	6.019	45	1325167	145.463	ug/l	98
23) Vinyl Acetate	5.958	43	3993494	749.332	ug/l	99
24) 1,1-Dichloroethane	5.915	63	753930	138.403	ug/l	100
25) 2-Butanone	6.890	43	603028	733.215	ug/l	99
26) 2,2-Dichloropropane	6.884	77	678134	139.949	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	490349	145.395	ug/l	99
28) Bromochloromethane	7.244	49	313542	136.480	ug/l	99
29) Tetrahydrofuran	7.262	42	379413	716.799	ug/l	98
30) Chloroform	7.421	83	779319	137.548	ug/l	98
31) Cyclohexane	7.701	56	637533	128.388	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	696016	135.918	ug/l	99
36) 1,1-Dichloropropene	7.835	75	556974	136.722	ug/l	99
37) Ethyl Acetate	6.982	43	259188	134.812	ug/l	100
38) Carbon Tetrachloride	7.817	117	627331	134.452	ug/l	98
39) Methylcyclohexane	9.110	83	679694	139.666	ug/l	99
40) Benzene	8.079	78	1695962	139.014	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	143387	140.447	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	468317	136.165	ug/l		100
43) Isopropyl Acetate	8.195	43	527316	144.731	ug/l	#	87
44) Trichloroethene	8.866	130	430629	138.536	ug/l		99
45) 1,2-Dichloropropane	9.140	63	401955	139.191	ug/l		99
46) Dibromomethane	9.231	93	228287	137.167	ug/l		98
47) Bromodichloromethane	9.420	83	598421	138.764	ug/l		98
48) Methyl methacrylate	9.219	41	251339	150.306	ug/l		99
49) 1,4-Dioxane	9.225	88	53338	2991.658	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	1397678	737.160	ug/l		100
52) Toluene	10.170	92	1094229	143.758	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	570388	148.908	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	660476	146.159	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	296412	138.396	ug/l		99
56) Ethyl methacrylate	10.439	69	443517	162.176	ug/l		98
57) 1,3-Dichloropropane	10.719	76	517706	139.961	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1061779	795.867	ug/l		100
59) 2-Hexanone	10.762	43	955051	756.341	ug/l		99
60) Dibromochloromethane	10.908	129	417230	142.682	ug/l		99
61) 1,2-Dibromoethane	11.018	107	283453	141.082	ug/l		98
64) Tetrachloroethene	10.646	164	421368	125.966	ug/l		98
65) Chlorobenzene	11.444	112	1182770	140.483	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	420924	140.910	ug/l		100
67) Ethyl Benzene	11.518	91	2131884	147.665	ug/l		100
68) m/p-Xylenes	11.627	106	1610305	291.277	ug/l		100
69) o-Xylene	11.957	106	764721	149.852	ug/l		98
70) Styrene	11.969	104	1300778	152.877	ug/l		99
71) Bromoform	12.133	173	244045	143.224	ug/l	#	99
73) Isopropylbenzene	12.255	105	1969094	149.537	ug/l		99
74) N-amyl acetate	12.072	43	498903	161.437	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	335483	141.706	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	249855m	142.174	ug/l		
77) Bromobenzene	12.530	156	461221	145.881	ug/l		99
78) n-propylbenzene	12.597	91	2344286	148.082	ug/l		100
79) 2-Chlorotoluene	12.682	91	1343328	146.095	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1607812	149.397	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	119086	156.137	ug/l		99
82) 4-Chlorotoluene	12.780	91	1386233	144.608	ug/l		100
83) tert-Butylbenzene	12.999	119	1444053	150.647	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1616812	152.003	ug/l		100
85) sec-Butylbenzene	13.176	105	2052157	146.493	ug/l		99
86) p-Isopropyltoluene	13.292	119	1769866	152.863	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	898070	144.177	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	864599	140.489	ug/l		99
89) n-Butylbenzene	13.615	91	1609064	150.273	ug/l		99
90) Hexachloroethane	13.883	117	363244	143.167	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	779021	143.668	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	54066	147.345	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	472845	160.803	ug/l		99
94) Hexachlorobutadiene	15.023	225	261678	142.491	ug/l		98
95) Naphthalene	15.145	128	859499	176.342	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	400315	159.646	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

ICAL Form

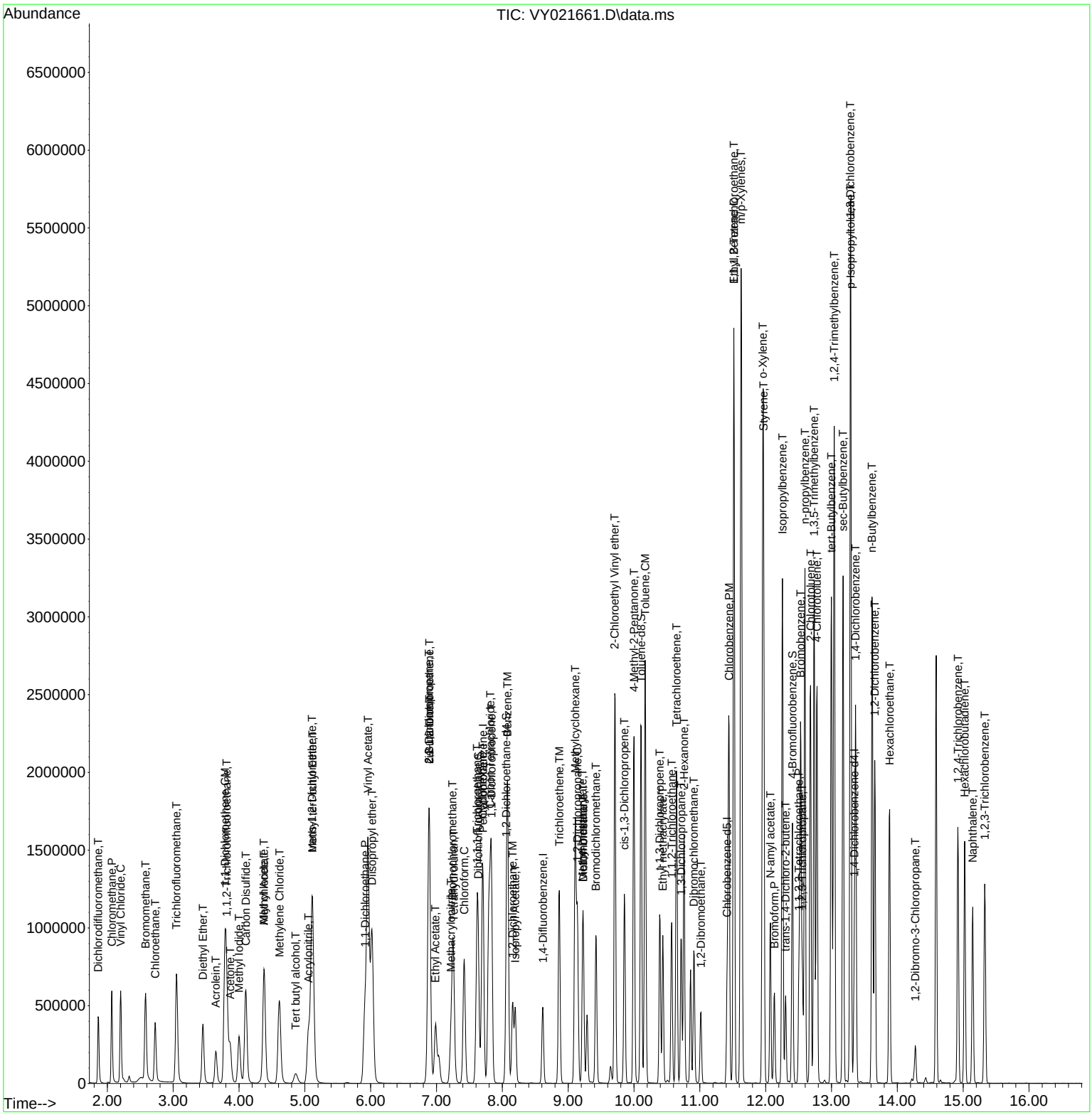
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	241281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	378246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	335061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137385	52.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.634	113	133092	54.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.480%			
50) Toluene-d8	10.109	98	514482	55.117	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.407	95	174721	55.339	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	121620	48.632	ug/l	99
3) Chloromethane	2.068	50	178572	50.781	ug/l	99
4) Vinyl Chloride	2.202	62	193909	48.759	ug/l	99
5) Bromomethane	2.592	94	133650	49.274	ug/l	99
6) Chloroethane	2.732	64	131646	50.589	ug/l	98
7) Trichlorofluoromethane	3.055	101	264850	51.989	ug/l	96
8) Diethyl Ether	3.458	74	71773	51.807	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	129542	48.213	ug/l	97
10) Methyl Iodide	4.006	142	144020	48.859	ug/l	99
11) Tert butyl alcohol	4.860	59	40598	239.093	ug/l	98
12) 1,1-Dichloroethene	3.787	96	123904	48.958	ug/l	99
13) Acrolein	3.653	56	77430	249.738	ug/l	100
14) Allyl chloride	4.384	41	203289	50.380	ug/l	99
15) Acrylonitrile	5.061	53	142349	246.085	ug/l	99
16) Acetone	3.866	43	125654	234.856	ug/l	99
17) Carbon Disulfide	4.104	76	412021	49.428	ug/l	99
18) Methyl Acetate	4.384	43	64580	48.703	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	318579	50.561	ug/l	97
20) Methylene Chloride	4.616	84	139443	53.536	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	139842	50.186	ug/l	95
22) Diisopropyl ether	6.018	45	434011	51.273	ug/l	98
23) Vinyl Acetate	5.957	43	1270842	256.638	ug/l	98
24) 1,1-Dichloroethane	5.915	63	253080	50.001	ug/l	99
25) 2-Butanone	6.890	43	184108	240.921	ug/l	99
26) 2,2-Dichloropropane	6.884	77	221076	49.103	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	159206	50.806	ug/l	99
28) Bromochloromethane	7.244	49	107500	50.360	ug/l	98
29) Tetrahydrofuran	7.262	42	121613	247.271	ug/l	99
30) Chloroform	7.420	83	260540	49.490	ug/l	100
31) Cyclohexane	7.701	56	220748	47.844	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	234663	49.319	ug/l	99
36) 1,1-Dichloropropene	7.835	75	188082	50.326	ug/l	100
37) Ethyl Acetate	6.981	43	86681	49.145	ug/l	99
38) Carbon Tetrachloride	7.817	117	213223	49.814	ug/l	99
39) Methylcyclohexane	9.109	83	231457	51.843	ug/l	96
40) Benzene	8.079	78	566027	50.574	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	44469	47.475	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	156359	49.556	ug/l		99
43) Isopropyl Acetate	8.195	43	167476	50.106	ug/l	#	87
44) Trichloroethene	8.865	130	142392	49.933	ug/l		98
45) 1,2-Dichloropropane	9.140	63	132882	50.158	ug/l		95
46) Dibromomethane	9.231	93	76421	50.052	ug/l		98
47) Bromodichloromethane	9.426	83	199912	50.530	ug/l		99
48) Methyl methacrylate	9.219	41	79887	52.076	ug/l		98
49) 1,4-Dioxane	9.225	88	16464	1006.593	ug/l		90
51) 4-Methyl-2-Pentanone	9.999	43	439879	252.890	ug/l		100
52) Toluene	10.170	92	360002	51.555	ug/l		99
53) t-1,3-Dichloropropene	10.395	75	179752	51.152	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	212066	51.154	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	97567	49.656	ug/l		99
56) Ethyl methacrylate	10.438	69	136411	54.371	ug/l		98
57) 1,3-Dichloropropane	10.719	76	171579	50.563	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	338673	276.714	ug/l		99
59) 2-Hexanone	10.761	43	295472	255.065	ug/l		99
60) Dibromochloromethane	10.914	129	135955	50.679	ug/l		100
61) 1,2-Dibromoethane	11.017	107	93947	50.970	ug/l		99
64) Tetrachloroethene	10.645	164	145736	47.757	ug/l		98
65) Chlorobenzene	11.444	112	386987	50.384	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	138442	50.802	ug/l		99
67) Ethyl Benzene	11.517	91	689434	52.346	ug/l		100
68) m/p-Xylenes	11.627	106	531589	105.402	ug/l		100
69) o-Xylene	11.956	106	247091	53.075	ug/l		99
70) Styrene	11.968	104	416261	53.627	ug/l		99
71) Bromoform	12.133	173	78932	50.778	ug/l	#	99
73) Isopropylbenzene	12.255	105	653541	52.705	ug/l		100
74) N-amyl acetate	12.072	43	152268	52.323	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	109833	49.266	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	70644m	42.688	ug/l		
77) Bromobenzene	12.535	156	152211	51.125	ug/l		99
78) n-propylbenzene	12.596	91	792814	53.182	ug/l		100
79) 2-Chlorotoluene	12.682	91	447402	51.671	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	539512	53.236	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	35543	49.488	ug/l		97
82) 4-Chlorotoluene	12.779	91	469122	51.969	ug/l		100
83) tert-Butylbenzene	12.999	119	474947	52.616	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	535411	53.454	ug/l		100
85) sec-Butylbenzene	13.175	105	692180	52.471	ug/l		100
86) p-Isopropyltoluene	13.291	119	583069	53.479	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	299075	50.987	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	288264	49.741	ug/l		99
89) n-Butylbenzene	13.621	91	533666	52.927	ug/l		100
90) Hexachloroethane	13.883	117	120546	50.454	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	257071	50.346	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	16750	48.476	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	142409	51.429	ug/l		100
94) Hexachlorobutadiene	15.029	225	86891	50.245	ug/l		96
95) Naphthalene	15.145	128	237561	51.759	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	119575	50.640	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

ICAL Form

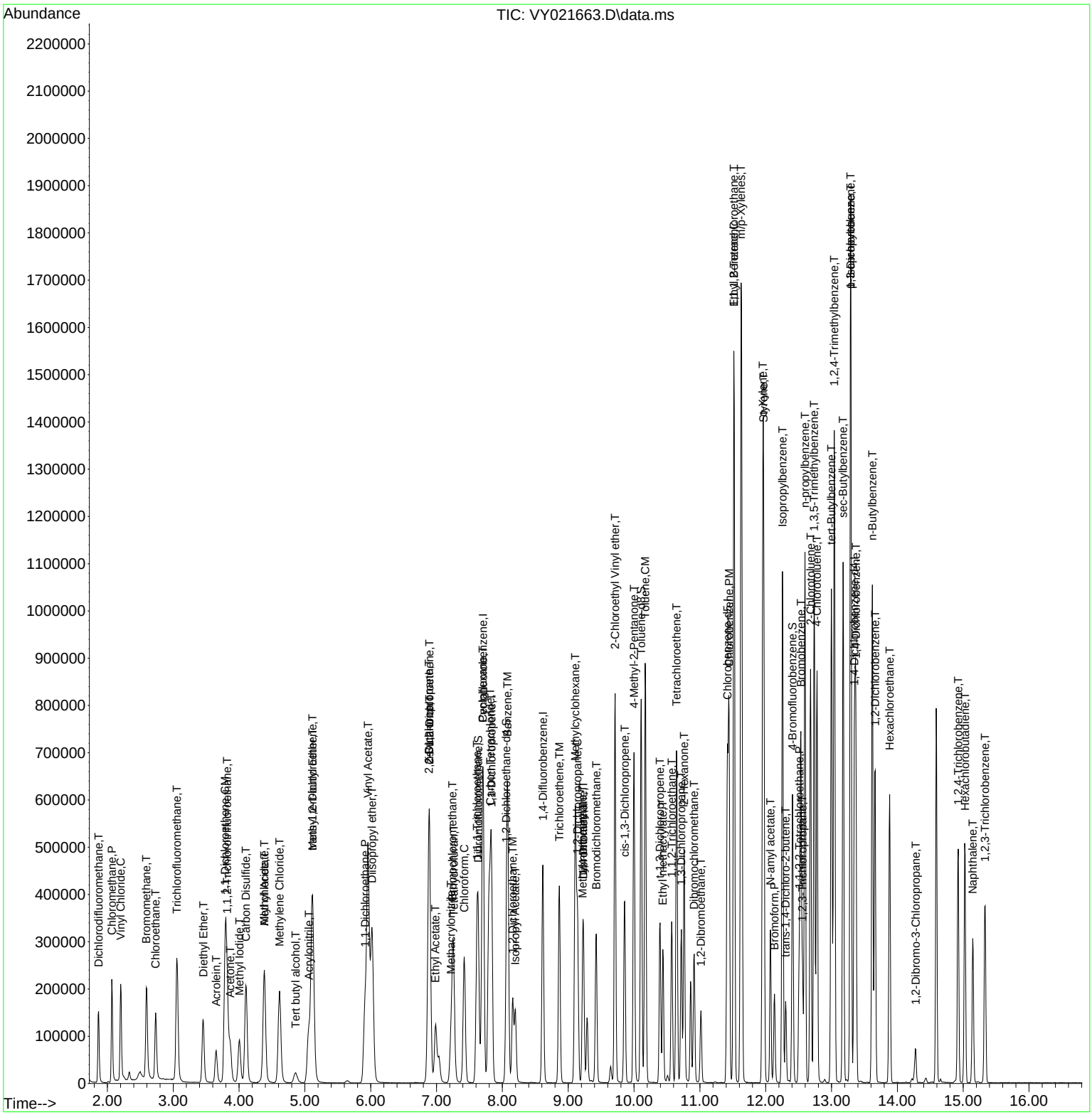
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	0.518	0.504	2.7	101	0.00
3	P	Chloromethane	0.729	0.740	-1.5	108	0.00
4	C	Vinyl Chloride	0.824	0.804	2.4#	102	0.00
5	T	Bromomethane	0.562	0.554	1.4	109	0.00
6	T	Chloroethane	0.539	0.546	-1.3	108	0.00
7	T	Trichlorofluoromethane	1.056	1.098	-4.0	110	0.00
8	T	Diethyl Ether	0.287	0.297	-3.5	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.537	3.6	101	0.00
10	T	Methyl Iodide	0.611	0.597	2.3	92	0.00
11	T	Tert butyl alcohol	0.035	0.034	2.9	101	0.00
12	CM	1,1-Dichloroethene	0.524	0.514	1.9#	101	0.00
13	T	Acrolein	0.064	0.064	0.0	103	0.00
14	T	Allyl chloride	0.836	0.843	-0.8	102	0.00
15	T	Acrylonitrile	0.120	0.118	1.7	99	0.00
16	T	Acetone	0.111	0.104	6.3	98	0.00
17	T	Carbon Disulfide	1.727	1.708	1.1	102	0.00
18	T	Methyl Acetate	0.275	0.268	2.5	102	0.00
19	T	Methyl tert-butyl Ether	1.306	1.320	-1.1	101	0.00
20	T	Methylene Chloride	0.626	0.578	7.7	104	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.580	-0.5	104	0.00
22	T	Diisopropyl ether	1.754	1.799	-2.6	101	0.00
23	T	Vinyl Acetate	1.026	1.053	-2.6	100	0.00
24	P	1,1-Dichloroethane	1.049	1.049	0.0	102	0.00
25	T	2-Butanone	0.158	0.153	3.2	97	0.00
26	T	2,2-Dichloropropane	0.933	0.916	1.8	101	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.660	-1.7	102	0.00
28	T	Bromochloromethane	0.442	0.446	-0.9	106	0.00
29	T	Tetrahydrofuran	0.102	0.101	1.0	97	0.00
30	C	Chloroform	1.091	1.080	1.0#	101	0.00
31	T	Cyclohexane	0.956	0.915	4.3	101	0.00
32	T	1,1,1-Trichloroethane	0.986	0.973	1.3	102	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.569	-5.0	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.324	0.352	-8.6	106	0.00
36	T	1,1-Dichloropropene	0.494	0.497	-0.6	101	0.00
37	T	Ethyl Acetate	0.233	0.229	1.7	99	0.00
38	T	Carbon Tetrachloride	0.566	0.564	0.4	102	0.00
39	T	Methylcyclohexane	0.590	0.612	-3.7	101	0.00
40	TM	Benzene	1.479	1.496	-1.1	102	0.00
41	T	Methacrylonitrile	0.124	0.118	4.8	88	-0.01
42	TM	1,2-Dichloroethane	0.417	0.413	1.0	101	0.00
43	T	Isopropyl Acetate	0.442	0.443	-0.2	100	0.00
44	TM	Trichloroethene	0.377	0.376	0.3	103	0.00
45	C	1,2-Dichloropropane	0.350	0.351	-0.3#	102	0.00
46	T	Dibromomethane	0.202	0.202	0.0	104	0.00
47	T	Bromodichloromethane	0.523	0.529	-1.1	103	0.00
48	T	Methyl methacrylate	0.203	0.211	-3.9	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
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Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Instrument :
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ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	100	0.00
50	S	Toluene-d8	1.234	1.360	-10.2	107	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.233	-1.3	99	0.00
52	CM	Toluene	0.923	0.952	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	0.465	0.475	-2.2	100	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.561	-2.4	101	0.00
55	T	1,1,2-Trichloroethane	0.260	0.258	0.8	101	0.00
56	T	Ethyl methacrylate	0.332	0.361	-8.7	101	0.00
57	T	1,3-Dichloropropane	0.449	0.454	-1.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.179	-10.5	102	0.00
59	T	2-Hexanone	0.153	0.156	-2.0	98	0.00
60	T	Dibromochloromethane	0.355	0.359	-1.1	101	0.00
61	T	1,2-Dibromoethane	0.244	0.248	-1.6	100	0.00
62	S	4-Bromofluorobenzene	0.417	0.462	-10.8	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.455	0.435	4.4	98	0.00
65	PM	Chlorobenzene	1.146	1.155	-0.8	102	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.413	-1.5	102	0.00
67	C	Ethyl Benzene	1.965	2.058	-4.7#	102	0.00
68	T	m/p-Xylenes	0.753	0.793	-5.3	102	0.00
69	T	o-Xylene	0.695	0.737	-6.0	102	0.00
70	T	Styrene	1.158	1.242	-7.3	102	0.00
71	P	Bromoform	0.232	0.236	-1.7	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.714	3.915	-5.4	102	0.00
74	T	N-amyl acetate	0.872	0.912	-4.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.658	1.5	100	0.00
76	T	1,2,3-Trichloropropane	0.496	0.423	14.7	84	0.00
77	T	Bromobenzene	0.892	0.912	-2.2	102	0.00
78	T	n-propylbenzene	4.465	4.749	-6.4	102	0.00
79	T	2-Chlorotoluene	2.593	2.680	-3.4	101	0.00
80	T	1,3,5-Trimethylbenzene	3.035	3.232	-6.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.213	0.9	95	0.00
82	T	4-Chlorotoluene	2.704	2.810	-3.9	101	0.00
83	T	tert-Butylbenzene	2.703	2.845	-5.3	101	0.00
84	T	1,2,4-Trimethylbenzene	3.000	3.207	-6.9	102	0.00
85	T	sec-Butylbenzene	3.951	4.146	-4.9	101	0.00
86	T	p-Isopropyltoluene	3.265	3.492	-7.0	101	0.00
87	T	1,3-Dichlorobenzene	1.757	1.791	-1.9	102	0.00
88	T	1,4-Dichlorobenzene	1.736	1.727	0.5	99	0.00
89	T	n-Butylbenzene	3.020	3.197	-5.9	100	0.00
90	T	Hexachloroethane	0.716	0.722	-0.8	102	0.00
91	T	1,2-Dichlorobenzene	1.529	1.540	-0.7	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.100	2.9	98	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.853	-2.9	97	0.00
94	T	Hexachlorobutadiene	0.518	0.520	-0.4	99	0.00
95	T	Naphthalene	1.375	1.423	-3.5	94	0.00

ICAL Form

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Data File : VY021663.D
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.707	0.716	-1.3	95	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

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Acq On : 27 Mar 2025 13:15
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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	50.000	48.632	2.7	101	0.00
3	P	Chloromethane	50.000	50.781	-1.6	108	0.00
4	C	Vinyl Chloride	50.000	48.759	2.5#	102	0.00
5	T	Bromomethane	50.000	49.274	1.5	109	0.00
6	T	Chloroethane	50.000	50.589	-1.2	108	0.00
7	T	Trichlorofluoromethane	50.000	51.989	-4.0	110	0.00
8	T	Diethyl Ether	50.000	51.807	-3.6	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.213	3.6	101	0.00
10	T	Methyl Iodide	50.000	48.859	2.3	92	0.00
11	T	Tert butyl alcohol	250.000	239.093	4.4	101	0.00
12	CM	1,1-Dichloroethene	50.000	48.958	2.1#	101	0.00
13	T	Acrolein	250.000	249.738	0.1	103	0.00
14	T	Allyl chloride	50.000	50.380	-0.8	102	0.00
15	T	Acrylonitrile	250.000	246.085	1.6	99	0.00
16	T	Acetone	250.000	234.856	6.1	98	0.00
17	T	Carbon Disulfide	50.000	49.428	1.1	102	0.00
18	T	Methyl Acetate	50.000	48.703	2.6	102	0.00
19	T	Methyl tert-butyl Ether	50.000	50.561	-1.1	101	0.00
20	T	Methylene Chloride	50.000	53.536	-7.1	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.186	-0.4	104	0.00
22	T	Diisopropyl ether	50.000	51.273	-2.5	101	0.00
23	T	Vinyl Acetate	250.000	256.638	-2.7	100	0.00
24	P	1,1-Dichloroethane	50.000	50.001	-0.0	102	0.00
25	T	2-Butanone	250.000	240.921	3.6	97	0.00
26	T	2,2-Dichloropropane	50.000	49.103	1.8	101	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.806	-1.6	102	0.00
28	T	Bromochloromethane	50.000	50.360	-0.7	106	0.00
29	T	Tetrahydrofuran	250.000	247.271	1.1	97	0.00
30	C	Chloroform	50.000	49.490	1.0#	101	0.00
31	T	Cyclohexane	50.000	47.844	4.3	101	0.00
32	T	1,1,1-Trichloroethane	50.000	49.319	1.4	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.553	-5.1	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	54.243	-8.5	106	0.00
36	T	1,1-Dichloropropene	50.000	50.326	-0.7	101	0.00
37	T	Ethyl Acetate	50.000	49.145	1.7	99	0.00
38	T	Carbon Tetrachloride	50.000	49.814	0.4	102	0.00
39	T	Methylcyclohexane	50.000	51.843	-3.7	101	0.00
40	TM	Benzene	50.000	50.574	-1.1	102	0.00
41	T	Methacrylonitrile	50.000	47.475	5.0	88	-0.01
42	TM	1,2-Dichloroethane	50.000	49.556	0.9	101	0.00
43	T	Isopropyl Acetate	50.000	50.106	-0.2	100	0.00
44	TM	Trichloroethene	50.000	49.933	0.1	103	0.00
45	C	1,2-Dichloropropane	50.000	50.158	-0.3#	102	0.00
46	T	Dibromomethane	50.000	50.052	-0.1	104	0.00
47	T	Bromodichloromethane	50.000	50.530	-1.1	103	0.00
48	T	Methyl methacrylate	50.000	52.076	-4.2	103	0.00

ICAL Form

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1006.593	-0.7	100	0.00
50	S	Toluene-d8	50.000	55.117	-10.2	107	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.890	-1.2	99	0.00
52	CM	Toluene	50.000	51.555	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	51.152	-2.3	100	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.154	-2.3	101	0.00
55	T	1,1,2-Trichloroethane	50.000	49.656	0.7	101	0.00
56	T	Ethyl methacrylate	50.000	54.371	-8.7	101	0.00
57	T	1,3-Dichloropropane	50.000	50.563	-1.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	276.714	-10.7	102	0.00
59	T	2-Hexanone	250.000	255.065	-2.0	98	0.00
60	T	Dibromochloromethane	50.000	50.679	-1.4	101	0.00
61	T	1,2-Dibromoethane	50.000	50.970	-1.9	100	0.00
62	S	4-Bromofluorobenzene	50.000	55.339	-10.7	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	47.757	4.5	98	0.00
65	PM	Chlorobenzene	50.000	50.384	-0.8	102	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.802	-1.6	102	0.00
67	C	Ethyl Benzene	50.000	52.346	-4.7#	102	0.00
68	T	m/p-Xylenes	100.000	105.402	-5.4	102	0.00
69	T	o-Xylene	50.000	53.075	-6.2	102	0.00
70	T	Styrene	50.000	53.627	-7.3	102	0.00
71	P	Bromoform	50.000	50.778	-1.6	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	52.705	-5.4	102	0.00
74	T	N-amyl acetate	50.000	52.323	-4.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.266	1.5	100	0.00
76	T	1,2,3-Trichloropropane	50.000	42.688	14.6	84	0.00
77	T	Bromobenzene	50.000	51.125	-2.3	102	0.00
78	T	n-propylbenzene	50.000	53.182	-6.4	102	0.00
79	T	2-Chlorotoluene	50.000	51.671	-3.3	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.236	-6.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.488	1.0	95	0.00
82	T	4-Chlorotoluene	50.000	51.969	-3.9	101	0.00
83	T	tert-Butylbenzene	50.000	52.616	-5.2	101	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.454	-6.9	102	0.00
85	T	sec-Butylbenzene	50.000	52.471	-4.9	101	0.00
86	T	p-Isopropyltoluene	50.000	53.479	-7.0	101	0.00
87	T	1,3-Dichlorobenzene	50.000	50.987	-2.0	102	0.00
88	T	1,4-Dichlorobenzene	50.000	49.741	0.5	99	0.00
89	T	n-Butylbenzene	50.000	52.927	-5.9	100	0.00
90	T	Hexachloroethane	50.000	50.454	-0.9	102	0.00
91	T	1,2-Dichlorobenzene	50.000	50.346	-0.7	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.476	3.0	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.429	-2.9	97	0.00
94	T	Hexachlorobutadiene	50.000	50.245	-0.5	99	0.00
95	T	Naphthalene	50.000	51.759	-3.5	94	0.00

ICAL Form

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.640	-1.3	95	0.00

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Tert butyl alcohol	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.4
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

* 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 GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025
Response Via : Initial Calibration

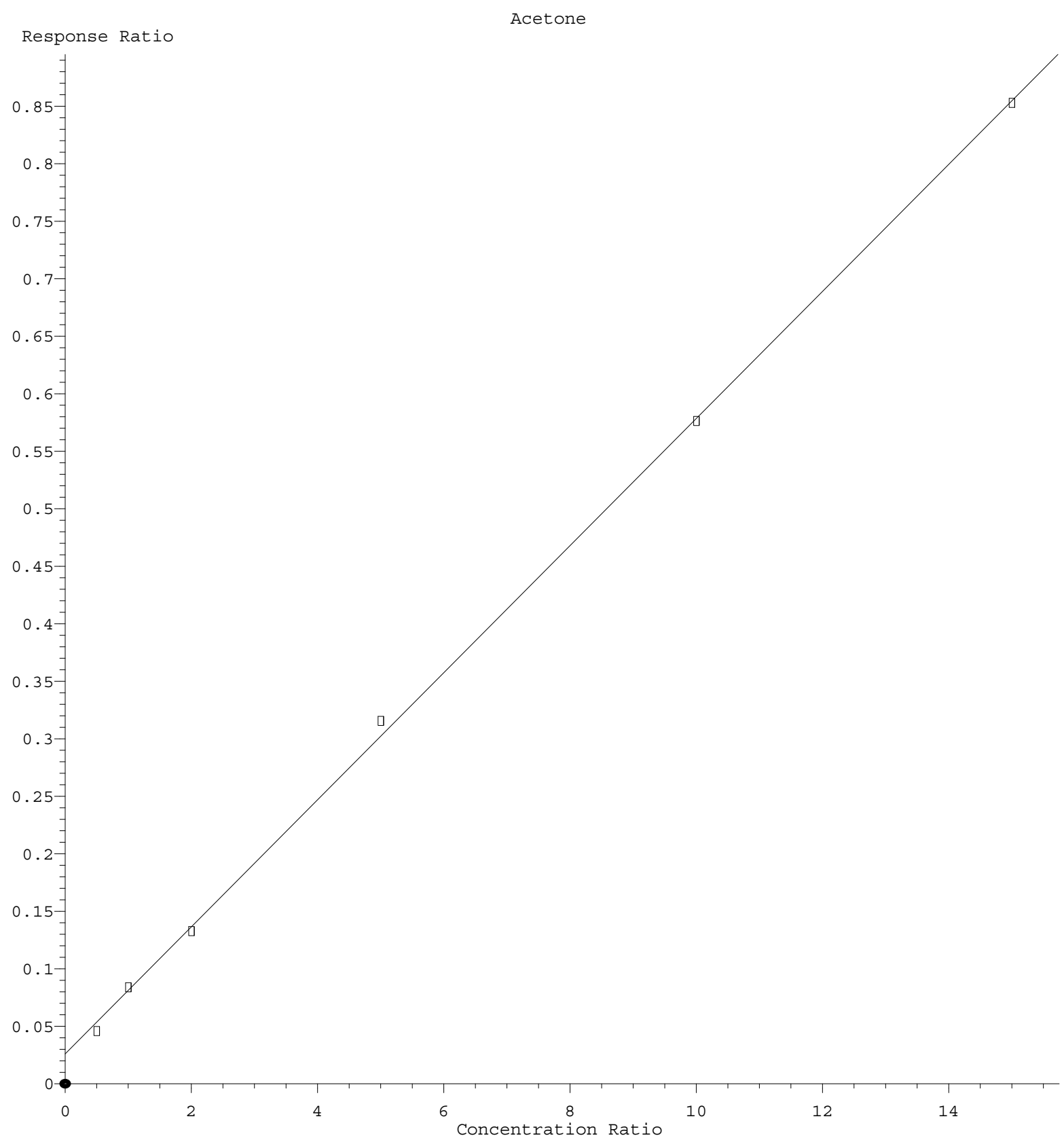
Calibration Files
5 =VY021953.D 10 =VY021954.D 20 =VY021955.D 50 =VY021956.D 100 =VY021957.D 150 =VY021958.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.66
3)	P	Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.24
4)	C	Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.14#
5)	T	Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.29
6)	T	Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.60
7)	T	Trichlorofluor...	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.87
8)	T	Diethyl Ether	0.283	0.266	0.253	0.247	0.246	0.240	0.256	6.23
9)	T	1,1,2-Trichlor...	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.83
10)	T	Methyl Iodide	0.573	0.619	0.604	0.629	0.651	0.628	0.617	4.33
11)	T	Tert butyl alc...	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.35
12)	CM	1,1-Dichloroet...	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5.05#
13)	T	Acrolein	0.053	0.045	0.051	0.042	0.040	0.042	0.046	11.55
14)	T	Allyl chloride	0.620	0.607	0.558	0.555	0.575	0.557	0.579	4.82
15)	T	Acrylonitrile	0.103	0.090	0.099	0.093	0.088	0.088	0.094	6.56
16)	T	Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.66
17)	T	Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.75
18)	T	Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.16
19)	T	Methyl tert-bu...	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.57
20)	T	Methylene Chlo...	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.72
21)	T	trans-1,2-Dich...	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.29
22)	T	Diisopropyl ether	1.282	1.292	1.316	1.290	1.300	1.248	1.288	1.78
23)	T	Vinyl Acetate	0.657	0.684	0.700	0.716	0.713	0.694	0.694	3.15
24)	P	1,1-Dichloroet...	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.89
25)	T	2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.53
26)	T	2,2-Dichloropr...	0.841	0.830	0.763	0.743	0.770	0.748	0.782	5.42
27)	T	cis-1,2-Dichlo...	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.08
28)	T	Bromochloromet...	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.18
29)	T	Tetrahydrofuran	0.067	0.065	0.072	0.073	0.066	0.067	0.068	4.92
30)	C	Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.17#
31)	T	Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.59
32)	T	1,1,1-Trichlor...	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.78
33)	S	1,2-Dichloroet...	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.29
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.34
36)	T	1,1-Dichloropr...	0.455	0.470	0.424	0.425	0.450	0.437	0.444	4.10
37)	T	Ethyl Acetate	0.166	0.161	0.163	0.161	0.153	0.151	0.159	3.67
38)	T	Carbon Tetrach...	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.90
39)	T	Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	5.95
40)	TM	Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.14
41)	T	Methacrylonitrile	0.076	0.086	0.104	0.092	0.082	0.084	0.087	11.20
42)	TM	1,2-Dichloroet...	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.27
43)	T	Isopropyl Acetate	0.301	0.293	0.314	0.312	0.309	0.308	0.306	2.52
44)	TM	Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.28
45)	C	1,2-Dichloropr...	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.36#
46)	T	Dibromomethane	0.202	0.193	0.192	0.187	0.191	0.187	0.192	2.95
47)	T	Bromodichlorom...	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.08
48)	T	Methyl methacr...	0.120	0.130	0.147	0.150	0.150	0.151	0.141	9.21
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.90
50)	S	Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2.04
51)	T	4-Methyl-2-Pen...	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.94
52)	CM	Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.35#
53)	T	t-1,3-Dichloro...	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.70
54)	T	cis-1,3-Dichlo...	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.32
55)	T	1,1,2-Trichlor...	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.82
56)	T	Ethyl methacry...	0.234	0.259	0.290	0.316	0.332	0.329	0.293	13.69

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y042225S.M

57)	T	1,3-Dichloropr...	0.413	0.420	0.405	0.409	0.417	0.404	0.411	1.58
58)	T	2-Chloroethyl ...	0.118	0.121	0.146	0.161	0.154	0.161	0.143	13.40
59)	T	2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.46
60)	T	Dibromochlorom...	0.345	0.355	0.354	0.352	0.367	0.357	0.355	1.96
61)	T	1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.27
62)	S	4-Bromofluorob...	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.77
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.64
65)	PM	Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.46
66)	T	1,1,1,2-Tetrac...	0.401	0.409	0.376	0.386	0.401	0.388	0.394	3.12
67)	C	Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.06#
68)	T	m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.28
69)	T	o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.32
70)	T	Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.16
71)	P	Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.48
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.24
74)	T	N-amyl acetate	0.528	0.530	0.553	0.591	0.615	0.626	0.574	7.48
75)	P	1,1,2,2-Tetrac...	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.42
76)	T	1,2,3-Trichlor...	0.498	0.445	0.418	0.405	0.408	0.397	0.428	8.83
77)	T	Bromobenzene	0.855	0.831	0.780	0.828	0.890	0.881	0.844	4.76
78)	T	n-propylbenzene	3.708	3.996	3.778	3.977	4.258	4.152	3.978	5.30
79)	T	2-Chlorotoluene	2.253	2.343	2.179	2.280	2.435	2.391	2.314	4.07
80)	T	1,3,5-Trimethy...	2.467	2.757	2.614	2.800	2.978	2.898	2.752	6.80
81)	T	trans-1,4-Dich...	0.185	0.174	0.170	0.177	0.181	0.181	0.178	2.93
82)	T	4-Chlorotoluene	2.313	2.501	2.270	2.380	2.521	2.445	2.405	4.23
83)	T	tert-Butylbenzene	2.246	2.382	2.263	2.494	2.725	2.701	2.468	8.48
84)	T	1,2,4-Trimethy...	2.415	2.717	2.631	2.784	3.027	2.945	2.753	8.01
85)	T	sec-Butylbenzene	3.254	3.724	3.409	3.602	3.898	3.786	3.612	6.72
86)	T	p-Isopropyltol...	2.717	3.016	2.869	3.094	3.386	3.321	3.067	8.39
87)	T	1,3-Dichlorobe...	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.53
88)	T	1,4-Dichlorobe...	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.73
89)	T	n-Butylbenzene	2.477	2.790	2.545	2.742	2.976	2.919	2.742	7.24
90)	T	Hexachloroethane	0.715	0.710	0.614	0.638	0.689	0.677	0.674	6.01
91)	T	1,2-Dichlorobe...	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.84
92)	T	1,2-Dibromo-3-...	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.90
93)	T	1,2,4-Trichlor...	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.11
94)	T	Hexachlorobuta...	0.522	0.545	0.483	0.480	0.555	0.544	0.521	6.28
95)	T	Naphthalene	1.186	1.113	1.284	1.436	1.690	1.738	1.408	18.56
96)	T	1,2,3-Trichlor...	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.25

(#) = Out of Range



Response = 5.529e-002 * Amt + 2.582e-002
Coef of Det (r^2) = 0.999482 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y042225S.M
Calibration Table Last Updated: Wed Apr 23 02:30:30 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	280613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14719	5.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 11.360%#			
35) Dibromofluoromethane	7.634	113	15517	5.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.140%#			
50) Toluene-d8	10.109	98	56501	4.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.800%#			
62) 4-Bromofluorobenzene	12.407	95	18902	4.869	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.740%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	13157	5.503	ug/l	93
3) Chloromethane	2.068	50	19759	5.803	ug/l	92
4) Vinyl Chloride	2.202	62	23262	5.560	ug/l	98
5) Bromomethane	2.598	94	21956	6.091	ug/l	99
6) Chloroethane	2.732	64	16527	5.800	ug/l	90
7) Trichlorofluoromethane	3.055	101	29399	5.329	ug/l	93
8) Diethyl Ether	3.452	74	7949	5.536	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	16959	5.667	ug/l	97
10) Methyl Iodide	4.000	142	16072	4.638	ug/l	97
11) Tert butyl alcohol	4.866	59	3727m	26.192	ug/l	
12) 1,1-Dichloroethene	3.793	96	14742	5.285	ug/l	97
13) Acrolein	3.659	56	7419	29.049	ug/l	97
14) Allyl chloride	4.372	41	17385	5.352	ug/l	98
15) Acrylonitrile	5.055	53	14464	27.514	ug/l	97
16) Acetone	3.872	43	12844	18.039	ug/l #	83
17) Carbon Disulfide	4.104	76	48701	5.475	ug/l	98
18) Methyl Acetate	4.391	43	5994	4.951	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	30819	4.936	ug/l	98
20) Methylene Chloride	4.610	84	21309	6.502	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	17357	5.556	ug/l	92
22) Diisopropyl ether	6.012	45	35963	4.975	ug/l	91
23) Vinyl Acetate	5.963	43	92152	23.655	ug/l	95
24) 1,1-Dichloroethane	5.915	63	27705	5.529	ug/l	98
25) 2-Butanone	6.896	43	15627	26.449	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	23594	5.373	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	17569	5.029	ug/l	96
28) Bromochloromethane	7.244	49	10541	5.416	ug/l	98
29) Tetrahydrofuran	7.262	42	9424	24.559	ug/l	97
30) Chloroform	7.421	83	30418	5.473	ug/l	97
31) Cyclohexane	7.707	56	23446	5.472	ug/l #	77
32) 1,1,1-Trichloroethane	7.622	97	27271	5.424	ug/l	96
36) 1,1-Dichloropropene	7.829	75	21076	5.130	ug/l	96
37) Ethyl Acetate	6.982	43	7691m	5.283	ug/l	
38) Carbon Tetrachloride	7.811	117	25016	5.095	ug/l	97
39) Methylcyclohexane	9.109	83	24303	4.700	ug/l	97
40) Benzene	8.079	78	65878	5.129	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.232	41	3506m	4.345 ug/l		
42) 1,2-Dichloroethane	8.158	62	16046	5.046 ug/l		96
43) Isopropyl Acetate	8.195	43	13940	4.919 ug/l	#	86
44) Trichloroethene	8.865	130	18611	5.231 ug/l		96
45) 1,2-Dichloropropane	9.146	63	14827	5.220 ug/l		99
46) Dibromomethane	9.231	93	9367	5.268 ug/l		96
47) Bromodichloromethane	9.420	83	22170	4.991 ug/l	#	96
48) Methyl methacrylate	9.225	41	5570	4.252 ug/l		94
49) 1,4-Dioxane	9.231	88	1703	89.863 ug/l	#	90
51) 4-Methyl-2-Pentanone	9.999	43	33298	22.414 ug/l		98
52) Toluene	10.170	92	38784	4.665 ug/l		97
53) t-1,3-Dichloropropene	10.396	75	17712	4.649 ug/l	#	87
54) cis-1,3-Dichloropropene	9.853	75	21582	4.765 ug/l		92
55) 1,1,2-Trichloroethane	10.572	97	11582	4.877 ug/l		94
56) Ethyl methacrylate	10.444	69	10816	3.982 ug/l		96
57) 1,3-Dichloropropane	10.719	76	19113	5.020 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	27363	20.606 ug/l		100
59) 2-Hexanone	10.761	43	21558	22.001 ug/l		92
60) Dibromochloromethane	10.914	129	15992	4.863 ug/l		97
61) 1,2-Dibromoethane	11.017	107	11020	4.915 ug/l		98
64) Tetrachloroethene	10.646	164	20545	5.302 ug/l		91
65) Chlorobenzene	11.444	112	48805	5.314 ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.517	131	16483	5.097 ug/l		98
67) Ethyl Benzene	11.517	91	69548	4.629 ug/l		97
68) m/p-Xylenes	11.627	106	54518	9.119 ug/l		100
69) o-Xylene	11.956	106	24611	4.466 ug/l		98
70) Styrene	11.969	104	39016	4.217 ug/l		97
71) Bromoform	12.133	173	9608	5.111 ug/l	#	98
73) Isopropylbenzene	12.255	105	62917	4.582 ug/l		97
74) N-amyl acetate	12.072	43	10843	4.596 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	12362	5.340 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	10228m	5.648 ug/l		
77) Bromobenzene	12.535	156	17570	5.064 ug/l		100
78) n-propylbenzene	12.596	91	76210	4.660 ug/l		100
79) 2-Chlorotoluene	12.682	91	46298	4.868 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	50699	4.481 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	3795	5.191 ug/l		98
82) 4-Chlorotoluene	12.779	91	47541	4.809 ug/l		98
83) tert-Butylbenzene	12.999	119	46171	4.550 ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	49642	4.387 ug/l		99
85) sec-Butylbenzene	13.176	105	66872	4.504 ug/l		99
86) p-Isopropyltoluene	13.291	119	55850	4.430 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	35553	5.045 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	37426	5.362 ug/l		95
89) n-Butylbenzene	13.621	91	50918	4.518 ug/l		99
90) Hexachloroethane	13.883	117	14703	5.308 ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	31298	5.092 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2000	5.430 ug/l		86
93) 1,2,4-Trichlorobenzene	14.919	180	15346	4.406 ug/l		94
94) Hexachlorobutadiene	15.023	225	10723	5.004 ug/l		98
95) Naphthalene	15.145	128	24368	4.212 ug/l		97
96) 1,2,3-Trichlorobenzene	15.328	180	13785	4.585 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

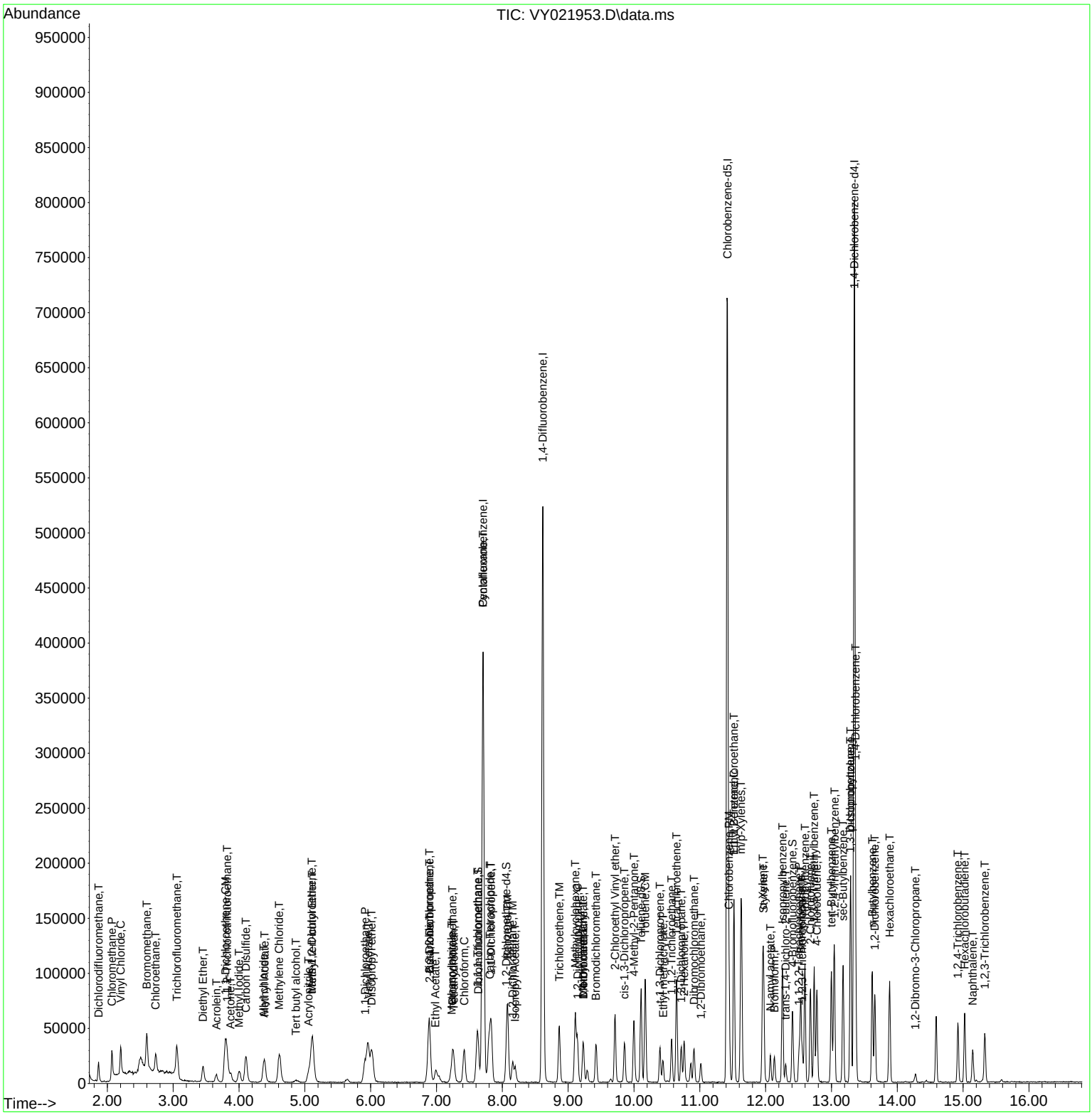
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	292096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	418471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	217358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27856	10.325	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.640%#		
35) Dibromofluoromethane	7.634	113	31560	10.335	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.660%#		
50) Toluene-d8	10.103	98	116480	10.118	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.240%#		
62) 4-Bromofluorobenzene	12.407	95	39704	10.244	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	27882	11.202	ug/l	95
3) Chloromethane	2.068	50	39169	11.052	ug/l	91
4) Vinyl Chloride	2.202	62	48475	11.131	ug/l	98
5) Bromomethane	2.598	94	40742	10.859	ug/l	98
6) Chloroethane	2.732	64	32122	10.830	ug/l	95
7) Trichlorofluoromethane	3.055	101	62819	10.939	ug/l	94
8) Diethyl Ether	3.452	74	15517	10.381	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	34542	11.088	ug/l	99
10) Methyl Iodide	4.000	142	36146	10.021	ug/l	99
11) Tert butyl alcohol	4.866	59	7087	47.846	ug/l	95
12) 1,1-Dichloroethene	3.787	96	31073	10.701	ug/l	94
13) Acrolein	3.647	56	13091	49.243	ug/l	96
14) Allyl chloride	4.378	41	35457	10.487	ug/l	97
15) Acrylonitrile	5.055	53	26314	48.088	ug/l	96
16) Acetone	3.872	43	24497	52.492	ug/l	99
17) Carbon Disulfide	4.104	76	101496	10.962	ug/l	96
18) Methyl Acetate	4.378	43	11687	9.273	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	62306	9.587	ug/l	96
20) Methylene Chloride	4.610	84	36539	10.710	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	33752	10.379	ug/l	97
22) Diisopropyl ether	6.012	45	75451	10.028	ug/l	94
23) Vinyl Acetate	5.957	43	199753	49.260	ug/l	99
24) 1,1-Dichloroethane	5.915	63	55067	10.558	ug/l	97
25) 2-Butanone	6.890	43	31349	50.973	ug/l	100
26) 2,2-Dichloropropane	6.884	77	48501	10.610	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	37281	10.253	ug/l	99
28) Bromochloromethane	7.238	49	21122	10.426	ug/l	99
29) Tetrahydrofuran	7.262	42	18883	47.274	ug/l	100
30) Chloroform	7.414	83	61088	10.559	ug/l	99
31) Cyclohexane	7.701	56	50083	11.229	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	55163	10.540	ug/l	97
36) 1,1-Dichloropropene	7.835	75	43496	10.604	ug/l	98
37) Ethyl Acetate	6.982	43	14895m	10.248	ug/l	
38) Carbon Tetrachloride	7.817	117	52079	10.625	ug/l	100
39) Methylcyclohexane	9.109	83	52625	10.194	ug/l	95
40) Benzene	8.079	78	133010	10.373	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	7906m	9.813	ug/l		
42) 1,2-Dichloroethane	8.152	62	33939	10.690	ug/l		99
43) Isopropyl Acetate	8.195	43	27087	9.574	ug/l		98
44) Trichloroethene	8.865	130	37414	10.534	ug/l		91
45) 1,2-Dichloropropane	9.140	63	29327	10.342	ug/l		98
46) Dibromomethane	9.231	93	17848	10.055	ug/l		98
47) Bromodichloromethane	9.420	83	46552	10.498	ug/l		97
48) Methyl methacrylate	9.219	41	12035	9.202	ug/l		97
49) 1,4-Dioxane	9.231	88	3781	199.843	ug/l	#	96
51) 4-Methyl-2-Pentanone	9.999	43	68951	46.490	ug/l		98
52) Toluene	10.170	92	84571	10.189	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	37699	9.911	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	45133	9.982	ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	24166	10.192	ug/l		98
56) Ethyl methacrylate	10.438	69	23924	8.823	ug/l		98
57) 1,3-Dichloropropane	10.719	76	38787	10.204	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.707	63	55900	42.164	ug/l		98
59) 2-Hexanone	10.761	43	44419	45.407	ug/l		97
60) Dibromochloromethane	10.914	129	32807	9.994	ug/l		99
61) 1,2-Dibromoethane	11.011	107	22427	10.019	ug/l		99
64) Tetrachloroethene	10.646	164	43205	10.944	ug/l		99
65) Chlorobenzene	11.444	112	96442	10.306	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	34237	10.392	ug/l		99
67) Ethyl Benzene	11.517	91	153977	10.058	ug/l		96
68) m/p-Xylenes	11.627	106	120544	19.789	ug/l		100
69) o-Xylene	11.956	106	53458	9.521	ug/l		98
70) Styrene	11.969	104	90382	9.588	ug/l		99
71) Bromoform	12.133	173	18480	9.648	ug/l	#	99
73) Isopropylbenzene	12.255	105	144167	9.928	ug/l		100
74) N-amyl acetate	12.072	43	23058	9.242	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	24413	9.971	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	19328m	10.092	ug/l		
77) Bromobenzene	12.529	156	36127	9.845	ug/l		97
78) n-propylbenzene	12.596	91	173723	10.045	ug/l		98
79) 2-Chlorotoluene	12.682	91	101855	10.127	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	119871	10.018	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7556	9.773	ug/l		98
82) 4-Chlorotoluene	12.779	91	108734	10.400	ug/l		100
83) tert-Butylbenzene	12.999	119	103541	9.649	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	118119	9.870	ug/l		100
85) sec-Butylbenzene	13.176	105	161907	10.311	ug/l		100
86) p-Isopropyltoluene	13.291	119	131120	9.834	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	77538	10.404	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	75043	10.167	ug/l		98
89) n-Butylbenzene	13.621	91	121297	10.177	ug/l		99
90) Hexachloroethane	13.877	117	30881	10.541	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	66159	10.178	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3955	10.153	ug/l		83
93) 1,2,4-Trichlorobenzene	14.919	180	34793	9.446	ug/l		98
94) Hexachlorobutadiene	15.023	225	23698	10.457	ug/l		98
95) Naphthalene	15.145	128	48366	7.904	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	29276	9.207	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

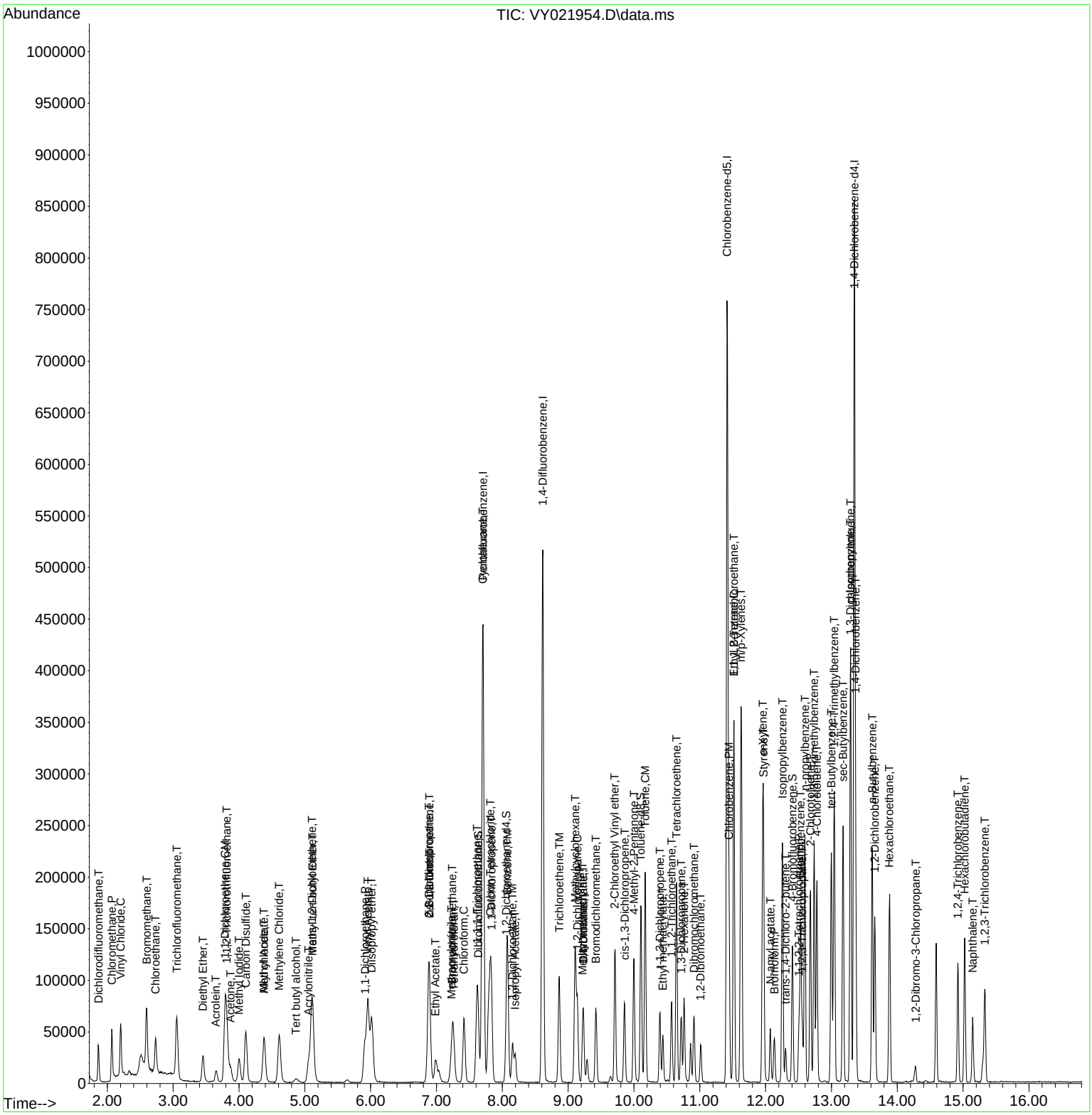
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	302781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	443014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55629	19.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.780%#		
35) Dibromofluoromethane	7.634	113	63419	20.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.000%#		
50) Toluene-d8	10.103	98	232431	19.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.900%#		
62) 4-Bromofluorobenzene	12.408	95	77034	19.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	49065	19.018	ug/l	94
3) Chloromethane	2.062	50	76990	20.957	ug/l	99
4) Vinyl Chloride	2.202	62	91757	20.326	ug/l	100
5) Bromomethane	2.586	94	81602	20.981	ug/l	95
6) Chloroethane	2.726	64	63501	20.654	ug/l	99
7) Trichlorofluoromethane	3.050	101	119529	20.079	ug/l	97
8) Diethyl Ether	3.452	74	30609	19.755	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	64172	19.872	ug/l	99
10) Methyl Iodide	4.001	142	73189	19.575	ug/l	100
11) Tert butyl alcohol	4.866	59	16584	108.012	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	58505	19.437	ug/l	97
13) Acrolein	3.653	56	30883	112.069	ug/l	98
14) Allyl chloride	4.379	41	67622	19.294	ug/l	99
15) Acrylonitrile	5.061	53	59926	105.648	ug/l	98
16) Acetone	3.873	43	40190	96.689	ug/l	94
17) Carbon Disulfide	4.098	76	189988	19.796	ug/l	95
18) Methyl Acetate	4.385	43	27988	21.423	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	133523	19.820	ug/l	98
20) Methylene Chloride	4.610	84	69571	19.673	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	64547	19.148	ug/l	92
22) Diisopropyl ether	6.012	45	159414	20.439	ug/l	96
23) Vinyl Acetate	5.958	43	424128	100.901	ug/l	100
24) 1,1-Dichloroethane	5.915	63	108156	20.006	ug/l	99
25) 2-Butanone	6.896	43	65464	102.688	ug/l	96
26) 2,2-Dichloropropane	6.878	77	92415	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73114	19.398	ug/l	97
28) Bromochloromethane	7.244	49	44154	21.027	ug/l	99
29) Tetrahydrofuran	7.262	42	43665	105.459	ug/l	99
30) Chloroform	7.421	83	117934	19.666	ug/l	97
31) Cyclohexane	7.701	56	89380	19.333	ug/l	91
32) 1,1,1-Trichloroethane	7.610	97	108468	19.993	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81459	19.127	ug/l	99
37) Ethyl Acetate	6.982	43	31319	20.755	ug/l	99
38) Carbon Tetrachloride	7.817	117	98308	19.318	ug/l	98
39) Methylcyclohexane	9.109	83	99570	18.578	ug/l	95
40) Benzene	8.079	78	259371	19.482	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	19946m	23.846	ug/l		
42) 1,2-Dichloroethane	8.158	62	67235	20.398	ug/l		100
43) Isopropyl Acetate	8.195	43	60204	20.495	ug/l	#	87
44) Trichloroethene	8.866	130	70896	19.226	ug/l		96
45) 1,2-Dichloropropane	9.140	63	57934	19.678	ug/l		98
46) Dibromomethane	9.225	93	36893	20.018	ug/l		97
47) Bromodichloromethane	9.420	83	89049	19.341	ug/l		99
48) Methyl methacrylate	9.219	41	28211	20.775	ug/l		97
49) 1,4-Dioxane	9.237	88	8497	432.566	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	159902	103.844	ug/l		99
52) Toluene	10.170	92	168035	19.499	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	76629	19.404	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	92726	19.753	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	50105	20.353	ug/l		99
56) Ethyl methacrylate	10.438	69	55703	19.786	ug/l		99
57) 1,3-Dichloropropane	10.713	76	77652	19.676	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	140435	102.027	ug/l		99
59) 2-Hexanone	10.762	43	104321	102.714	ug/l		98
60) Dibromochloromethane	10.908	129	67988	19.948	ug/l		99
61) 1,2-Dibromoethane	11.012	107	46699	20.093	ug/l		98
64) Tetrachloroethene	10.646	164	81915	19.600	ug/l		98
65) Chlorobenzene	11.438	112	186901	18.866	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	66586	19.091	ug/l		99
67) Ethyl Benzene	11.518	91	304501	18.789	ug/l		99
68) m/p-Xylenes	11.627	106	247677	38.407	ug/l		99
69) o-Xylene	11.956	106	112603	18.945	ug/l		100
70) Styrene	11.969	104	191106	19.149	ug/l		99
71) Bromoform	12.133	173	39690	19.573	ug/l	#	98
73) Isopropylbenzene	12.255	105	293481	18.570	ug/l		100
74) N-amyl acetate	12.072	43	52325	19.271	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52524	19.713	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	39530m	18.965	ug/l		
77) Bromobenzene	12.530	156	73838	18.490	ug/l		97
78) n-propylbenzene	12.597	91	357438	18.992	ug/l		99
79) 2-Chlorotoluene	12.676	91	206212	18.840	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	247372	18.997	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	16123	19.163	ug/l		96
82) 4-Chlorotoluene	12.773	91	214776	18.876	ug/l		100
83) tert-Butylbenzene	12.999	119	214149	18.337	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	248902	19.110	ug/l		99
85) sec-Butylbenzene	13.176	105	322522	18.873	ug/l		100
86) p-Isopropyltoluene	13.292	119	271440	18.706	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	150873	18.602	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	151864	18.905	ug/l		99
89) n-Butylbenzene	13.615	91	240816	18.566	ug/l		98
90) Hexachloroethane	13.877	117	58060	18.211	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	135650	19.175	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8864	20.910	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	74289	18.532	ug/l		99
94) Hexachlorobutadiene	15.023	225	45722	18.538	ug/l		98
95) Naphthalene	15.145	128	121454	18.238	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	64735	18.707	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

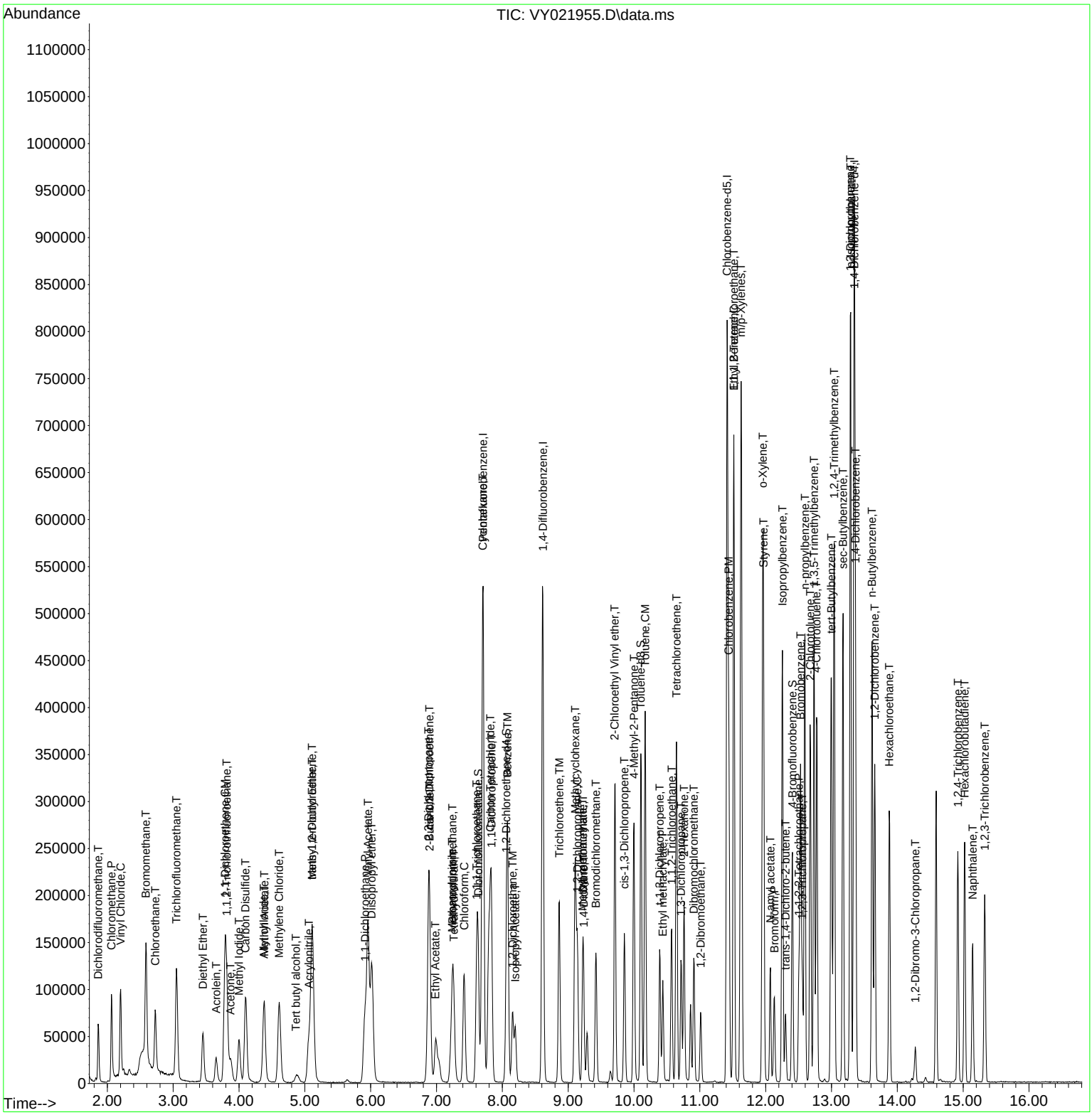
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	321453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	499724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	245926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149695	50.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.634	113	164867	49.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.880%			
50) Toluene-d8	10.103	98	637767	51.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	212936	50.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	126242	46.089	ug/l	100
3) Chloromethane	2.062	50	193657	49.653	ug/l	100
4) Vinyl Chloride	2.196	62	234756	48.981	ug/l	100
5) Bromomethane	2.592	94	191530	46.385	ug/l	100
6) Chloroethane	2.733	64	158887	48.677	ug/l	100
7) Trichlorofluoromethane	3.050	101	308523	48.817	ug/l	100
8) Diethyl Ether	3.452	74	79512	48.337	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	157297	45.881	ug/l	100
10) Methyl Iodide	4.001	142	202276	50.959	ug/l	100
11) Tert butyl alcohol	4.879	59	41968	257.462	ug/l	100
12) 1,1-Dichloroethene	3.787	96	151531	47.419	ug/l	100
13) Acrolein	3.653	56	68275	233.366	ug/l	100
14) Allyl chloride	4.379	41	178559	47.988	ug/l	100
15) Acrylonitrile	5.055	53	150181	249.387	ug/l	100
16) Acetone	3.879	43	101417	261.973	ug/l	100
17) Carbon Disulfide	4.098	76	479842	47.094	ug/l	100
18) Methyl Acetate	4.385	43	71756	51.735	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	364107	50.907	ug/l	100
20) Methylene Chloride	4.610	84	171472	45.671	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	171054	47.796	ug/l	100
22) Diisopropyl ether	6.019	45	414816	50.096	ug/l	100
23) Vinyl Acetate	5.958	43	1151100	257.942	ug/l	100
24) 1,1-Dichloroethane	5.915	63	274136	47.762	ug/l	100
25) 2-Butanone	6.896	43	169727	250.772	ug/l	100
26) 2,2-Dichloropropane	6.884	77	238816	47.472	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	196712	49.157	ug/l	100
28) Bromochloromethane	7.244	49	110399	49.520	ug/l	100
29) Tetrahydrofuran	7.262	42	117311	266.870	ug/l	100
30) Chloroform	7.421	83	307243	48.259	ug/l	100
31) Cyclohexane	7.701	56	227735	46.398	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	274062	47.581	ug/l	100
36) 1,1-Dichloropropene	7.835	75	212523	47.923	ug/l	100
37) Ethyl Acetate	6.982	43	80627	51.312	ug/l	100
38) Carbon Tetrachloride	7.817	117	253502	47.838	ug/l	100
39) Methylcyclohexane	9.109	83	274408	49.170	ug/l	100
40) Benzene	8.079	78	667899	48.179	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	45898	52.696	ug/l		100
42) 1,2-Dichloroethane	8.158	62	167612	48.835	ug/l		100
43) Isopropyl Acetate	8.195	43	155835	50.948	ug/l		100
44) Trichloroethene	8.860	130	183327	47.744	ug/l		100
45) 1,2-Dichloropropane	9.140	63	149687	48.827	ug/l		100
46) Dibromomethane	9.231	93	93536	48.740	ug/l		100
47) Bromodichloromethane	9.420	83	234964	49.010	ug/l		100
48) Methyl methacrylate	9.219	41	75057	53.082	ug/l		100
49) 1,4-Dioxane	9.238	88	20303	992.601	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	428635	267.326	ug/l		100
52) Toluene	10.170	92	446525	49.760	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	208479	50.698	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	241637	49.432	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	128082	49.965	ug/l		100
56) Ethyl methacrylate	10.439	69	157986	53.893	ug/l		100
57) 1,3-Dichloropropane	10.713	76	204196	49.688	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	401030	279.797	ug/l		100
59) 2-Hexanone	10.762	43	286755	271.141	ug/l		100
60) Dibromochloromethane	10.908	129	176120	49.624	ug/l		100
61) 1,2-Dibromoethane	11.012	107	120604	49.835	ug/l		100
64) Tetrachloroethene	10.646	164	208756	48.263	ug/l		100
65) Chlorobenzene	11.438	112	496647	48.437	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	177151	49.075	ug/l		100
67) Ethyl Benzene	11.518	91	841384	50.163	ug/l		100
68) m/p-Xylenes	11.627	106	673159	100.858	ug/l		100
69) o-Xylene	11.950	106	315731	51.325	ug/l		100
70) Styrene	11.969	104	535957	51.890	ug/l		100
71) Bromoform	12.133	173	105166	50.110	ug/l	#	100
73) Isopropylbenzene	12.255	105	817740	49.770	ug/l		100
74) N-amyl acetate	12.066	43	145415	51.512	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	134856	48.682	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	99679m	45.999	ug/l		
77) Bromobenzene	12.530	156	203522	49.021	ug/l		100
78) n-propylbenzene	12.591	91	977958	49.981	ug/l		100
79) 2-Chlorotoluene	12.676	91	560805	49.283	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	688578	50.863	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	43472	49.698	ug/l		100
82) 4-Chlorotoluene	12.773	91	585277	49.478	ug/l		100
83) tert-Butylbenzene	12.993	119	613293	50.513	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	684634	50.560	ug/l		100
85) sec-Butylbenzene	13.176	105	885790	49.857	ug/l		100
86) p-Isopropyltoluene	13.292	119	760829	50.431	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	405153	48.048	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	398336	47.697	ug/l		100
89) n-Butylbenzene	13.615	91	674346	50.008	ug/l		100
90) Hexachloroethane	13.877	117	156957	47.353	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	357028	48.544	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20698	46.964	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	202386	48.561	ug/l		100
94) Hexachlorobutadiene	15.023	225	117976	46.009	ug/l		100
95) Naphthalene	15.139	128	353130	51.007	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	173778	48.304	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

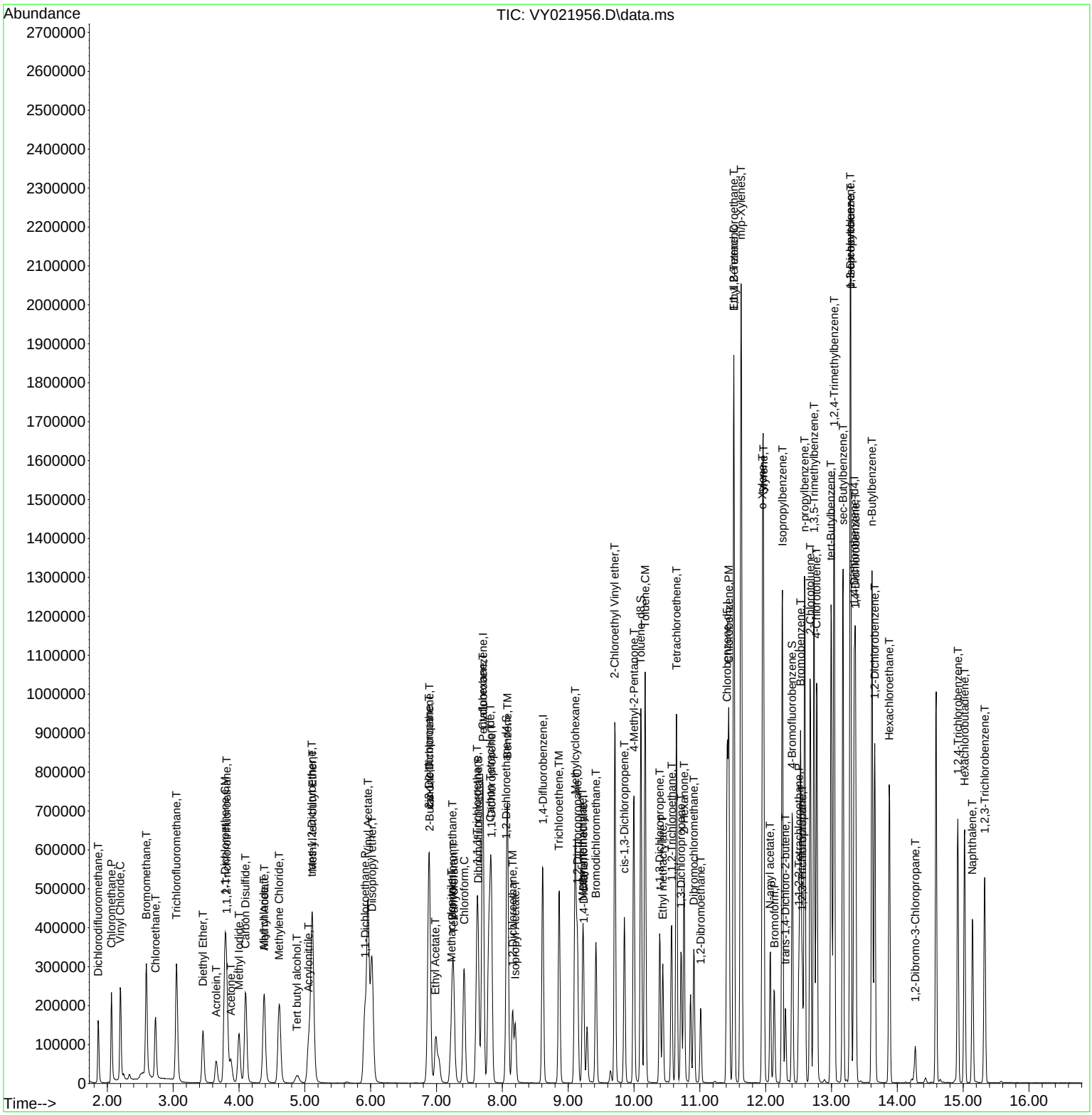
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	344392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	253936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	287743	90.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.900%#			
35) Dibromofluoromethane	7.634	113	329983	96.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.860%#			
50) Toluene-d8	10.103	98	1288287	99.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 199.720%#			
62) 4-Bromofluorobenzene	12.402	95	437911	100.832	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 201.660%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	280742	95.668	ug/l	99
3) Chloromethane	2.068	50	364659	87.270	ug/l	99
4) Vinyl Chloride	2.202	62	468044	91.152	ug/l	100
5) Bromomethane	2.586	94	381632	86.267	ug/l	98
6) Chloroethane	2.733	64	317008	90.651	ug/l	98
7) Trichlorofluoromethane	3.050	101	634632	93.728	ug/l	97
8) Diethyl Ether	3.452	74	169496	96.177	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	342220	93.171	ug/l	99
10) Methyl Iodide	4.001	142	448644	105.498	ug/l	100
11) Tert butyl alcohol	4.872	59	79446	454.915	ug/l	97
12) 1,1-Dichloroethene	3.787	96	335292	97.935	ug/l	98
13) Acrolein	3.647	56	137299	438.034	ug/l	97
14) Allyl chloride	4.379	41	395924	99.318	ug/l	99
15) Acrylonitrile	5.055	53	303243	470.017	ug/l	100
16) Acetone	3.873	43	198486	497.873	ug/l	92
17) Carbon Disulfide	4.104	76	1044296	95.665	ug/l	99
18) Methyl Acetate	4.385	43	142939	96.193	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	785760	102.542	ug/l	97
20) Methylene Chloride	4.610	84	356477	88.623	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	376278	98.137	ug/l	97
22) Diisopropyl ether	6.019	45	895700	100.965	ug/l	98
23) Vinyl Acetate	5.958	43	2455946	513.679	ug/l	99
24) 1,1-Dichloroethane	5.909	63	589137	95.806	ug/l	98
25) 2-Butanone	6.890	43	342128	471.826	ug/l	99
26) 2,2-Dichloropropane	6.884	77	530549	98.439	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	436196	101.743	ug/l	100
28) Bromochloromethane	7.244	49	221300	92.652	ug/l	97
29) Tetrahydrofuran	7.262	42	228438	485.059	ug/l	96
30) Chloroform	7.421	83	659805	96.733	ug/l	100
31) Cyclohexane	7.701	56	502812	95.618	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	595919	96.568	ug/l	99
36) 1,1-Dichloropropene	7.835	75	466424	101.471	ug/l	99
37) Ethyl Acetate	6.982	43	158846	97.530	ug/l	98
38) Carbon Tetrachloride	7.817	117	554665	100.983	ug/l	97
39) Methylcyclohexane	9.109	83	621199	107.388	ug/l	98
40) Benzene	8.079	78	1466182	102.038	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	84524	93.624	ug/l	#	89
42) 1,2-Dichloroethane	8.158	62	348314	97.908	ug/l		100
43) Isopropyl Acetate	8.195	43	319666	100.828	ug/l		98
44) Trichloroethene	8.866	130	401139	100.789	ug/l		99
45) 1,2-Dichloropropane	9.140	63	318648	100.279	ug/l		99
46) Dibromomethane	9.231	93	197509	99.293	ug/l		99
47) Bromodichloromethane	9.420	83	507797	102.188	ug/l		99
48) Methyl methacrylate	9.219	41	155528	106.117	ug/l		97
49) 1,4-Dioxane	9.231	88	43176	2036.490	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	859904	517.403	ug/l		99
52) Toluene	10.170	92	986553	106.068	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	452714	106.213	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	532092	105.017	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	267477	100.667	ug/l		99
56) Ethyl methacrylate	10.438	69	343556	113.068	ug/l		100
57) 1,3-Dichloropropane	10.713	76	432340	101.498	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	796991	536.469	ug/l		99
59) 2-Hexanone	10.762	43	573925	523.558	ug/l		99
60) Dibromochloromethane	10.908	129	380014	103.302	ug/l		99
61) 1,2-Dibromoethane	11.012	107	256079	102.087	ug/l		98
64) Tetrachloroethene	10.646	164	446995	98.761	ug/l		99
65) Chlorobenzene	11.438	112	1092542	101.831	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	384924	101.907	ug/l		99
67) Ethyl Benzene	11.518	91	1909638	108.806	ug/l		100
68) m/p-Xylenes	11.627	106	1528954	218.926	ug/l		98
69) o-Xylene	11.956	106	716652	111.334	ug/l		99
70) Styrene	11.969	104	1220634	112.940	ug/l		99
71) Bromoform	12.133	173	226072	102.945	ug/l	#	98
73) Isopropylbenzene	12.255	105	1848306	108.944	ug/l		99
74) N-amyl acetate	12.066	43	312577	107.236	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	281769	98.509	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	207056m	92.537	ug/l		
77) Bromobenzene	12.530	156	451913	105.415	ug/l		98
78) n-propylbenzene	12.597	91	2162620	107.039	ug/l		99
79) 2-Chlorotoluene	12.676	91	1236457	105.231	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1512269	108.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	91833	101.673	ug/l		97
82) 4-Chlorotoluene	12.773	91	1280377	104.825	ug/l		99
83) tert-Butylbenzene	12.993	119	1383923	110.389	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1537175	109.940	ug/l		99
85) sec-Butylbenzene	13.176	105	1979821	107.920	ug/l		100
86) p-Isopropyltoluene	13.292	119	1719877	110.405	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	908577	104.350	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	880300	102.083	ug/l		99
89) n-Butylbenzene	13.615	91	1511238	108.535	ug/l		99
90) Hexachloroethane	13.877	117	349860	102.221	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	780600	102.789	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43006	94.503	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	492590	114.465	ug/l		100
94) Hexachlorobutadiene	15.023	225	281711	106.397	ug/l		99
95) Naphthalene	15.145	128	858079	120.033	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	420859	113.294	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

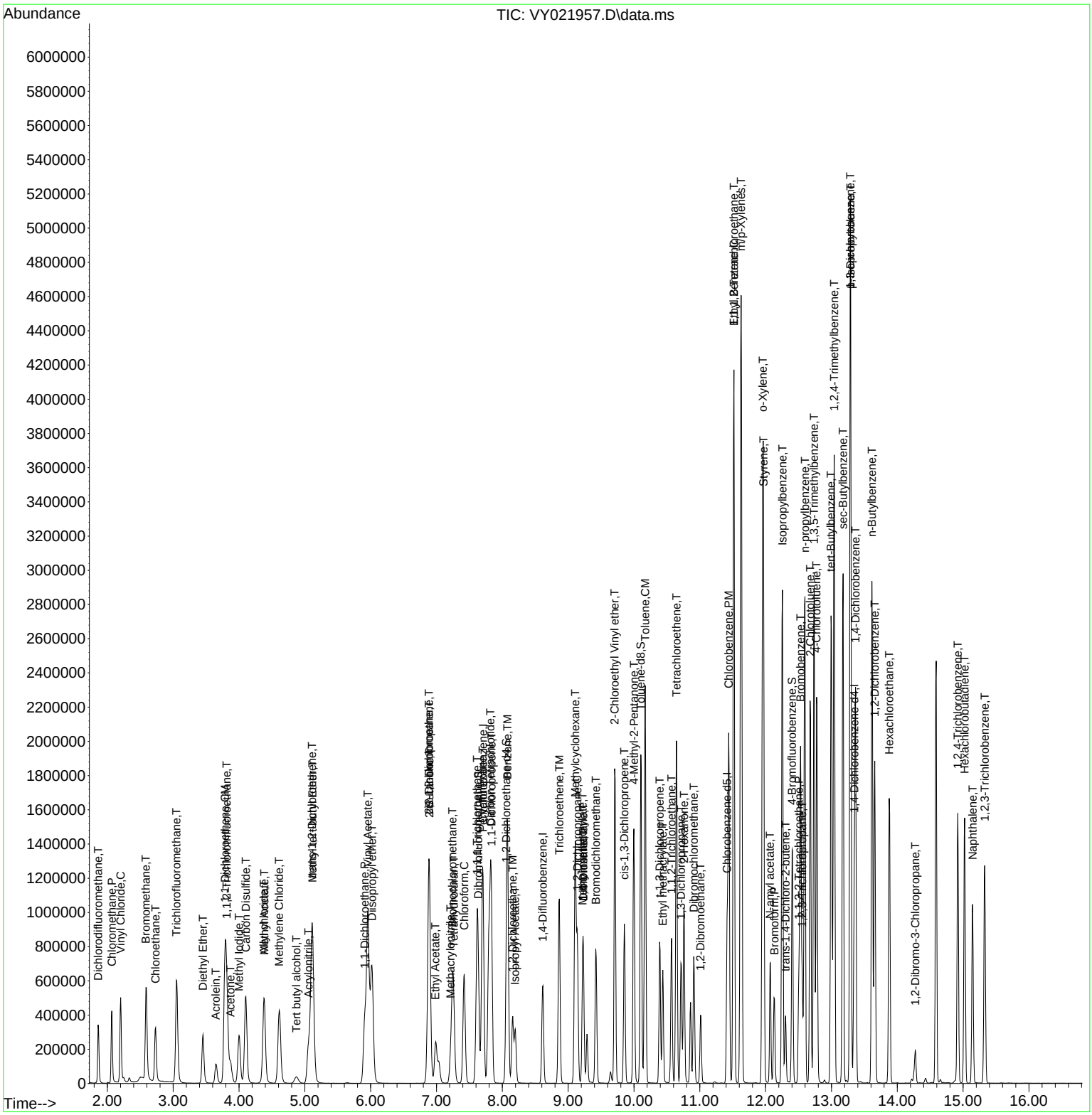
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	355777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	536479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	502246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	256233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	455676	138.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 277.320%#			
35) Dibromofluoromethane	7.634	113	525659	148.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.620%#			
50) Toluene-d8	10.103	98	2029557	151.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 303.780%#			
62) 4-Bromofluorobenzene	12.402	95	688061	152.965	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	431961	142.488	ug/l	99
3) Chloromethane	2.068	50	531232	123.066	ug/l	98
4) Vinyl Chloride	2.202	62	690264	130.127	ug/l	99
5) Bromomethane	2.580	94	587136	128.474	ug/l	100
6) Chloroethane	2.727	64	457467	126.630	ug/l	100
7) Trichlorofluoromethane	3.050	101	968200	138.417	ug/l	98
8) Diethyl Ether	3.452	74	256284	140.770	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	520779	137.247	ug/l	99
10) Methyl Iodide	4.001	142	670370	152.592	ug/l	99
11) Tert butyl alcohol	4.866	59	132009	731.707	ug/l	98
12) 1,1-Dichloroethene	3.781	96	516411	146.010	ug/l	99
13) Acrolein	3.647	56	224148	692.230	ug/l	97
14) Allyl chloride	4.379	41	595004	144.481	ug/l	99
15) Acrylonitrile	5.055	53	471687	707.705	ug/l	99
16) Acetone	3.873	43	303420	747.934	ug/l	93
17) Carbon Disulfide	4.098	76	1556842	138.054	ug/l	99
18) Methyl Acetate	4.379	43	233664	152.216	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	1210655	152.936	ug/l	98
20) Methylene Chloride	4.610	84	526924	126.805	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	568174	143.443	ug/l	96
22) Diisopropyl ether	6.019	45	1331652	145.303	ug/l	99
23) Vinyl Acetate	5.958	43	3706076	750.348	ug/l	99
24) 1,1-Dichloroethane	5.909	63	881143	138.707	ug/l	98
25) 2-Butanone	6.890	43	533125	711.701	ug/l	98
26) 2,2-Dichloropropane	6.884	77	797978	143.320	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	663284	149.760	ug/l	99
28) Bromochloromethane	7.244	49	335269	135.876	ug/l	93
29) Tetrahydrofuran	7.262	42	357581	734.980	ug/l	95
30) Chloroform	7.421	83	986793	140.042	ug/l	98
31) Cyclohexane	7.701	56	759349	139.782	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	903077	141.659	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702870	147.634	ug/l	99
37) Ethyl Acetate	6.982	43	243196	144.169	ug/l	98
38) Carbon Tetrachloride	7.817	117	841409	147.902	ug/l	99
39) Methylcyclohexane	9.103	83	947546	158.153	ug/l	97
40) Benzene	8.079	78	2184995	146.818	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.214	41	135364	144.765	ug/l	#	90
42) 1,2-Dichloroethane	8.152	62	522909	141.914	ug/l		100
43) Isopropyl Acetate	8.195	43	495904	151.020	ug/l	#	85
44) Trichloroethene	8.866	130	603635	146.435	ug/l		99
45) 1,2-Dichloropropane	9.140	63	473210	143.782	ug/l		100
46) Dibromomethane	9.225	93	300473	145.844	ug/l		99
47) Bromodichloromethane	9.420	83	758771	147.426	ug/l		100
48) Methyl methacrylate	9.219	41	243168	160.190	ug/l		97
49) 1,4-Dioxane	9.225	88	66528	3029.677	ug/l		99
51) 4-Methyl-2-Pentanone	9.994	43	1331129	773.306	ug/l		99
52) Toluene	10.170	92	1470005	152.593	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	683926	154.922	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	804716	153.345	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	405335	147.287	ug/l		99
56) Ethyl methacrylate	10.439	69	530305	168.507	ug/l		99
57) 1,3-Dichloropropane	10.713	76	650614	147.471	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1292633	840.076	ug/l		98
59) 2-Hexanone	10.756	43	896663	789.752	ug/l		99
60) Dibromochloromethane	10.908	129	574423	150.763	ug/l		100
61) 1,2-Dibromoethane	11.012	107	386950	148.938	ug/l		100
64) Tetrachloroethene	10.646	164	648295	136.828	ug/l		99
65) Chlorobenzene	11.438	112	1644879	146.452	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	584913	147.925	ug/l		100
67) Ethyl Benzene	11.518	91	2859582	155.641	ug/l		99
68) m/p-Xylenes	11.627	106	2270756	310.594	ug/l		99
69) o-Xylene	11.950	106	1079036	160.131	ug/l		99
70) Styrene	11.969	104	1821333	160.979	ug/l		100
71) Bromoform	12.127	173	345783	150.413	ug/l	#	99
73) Isopropylbenzene	12.255	105	2766822	161.622	ug/l		99
74) N-amyl acetate	12.066	43	481095	163.570	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	428838	148.581	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	304860m	135.026	ug/l		
77) Bromobenzene	12.530	156	677176	156.545	ug/l		98
78) n-propylbenzene	12.591	91	3191904	156.567	ug/l		99
79) 2-Chlorotoluene	12.676	91	1838218	155.043	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	2227887	157.948	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	138838	152.337	ug/l		98
82) 4-Chlorotoluene	12.774	91	1879346	152.484	ug/l		99
83) tert-Butylbenzene	12.993	119	2076003	164.108	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	2263509	160.437	ug/l		100
85) sec-Butylbenzene	13.176	105	2910397	157.224	ug/l		99
86) p-Isopropyltoluene	13.292	119	2552924	162.413	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	1339029	152.409	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	1293200	148.621	ug/l		98
89) n-Butylbenzene	13.615	91	2244063	159.720	ug/l		99
90) Hexachloroethane	13.877	117	520392	150.683	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	1156637	150.940	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66731	145.323	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	737198	169.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	417808	156.384	ug/l		99
95) Naphthalene	15.145	128	1336140	185.231	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	634152	169.182	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

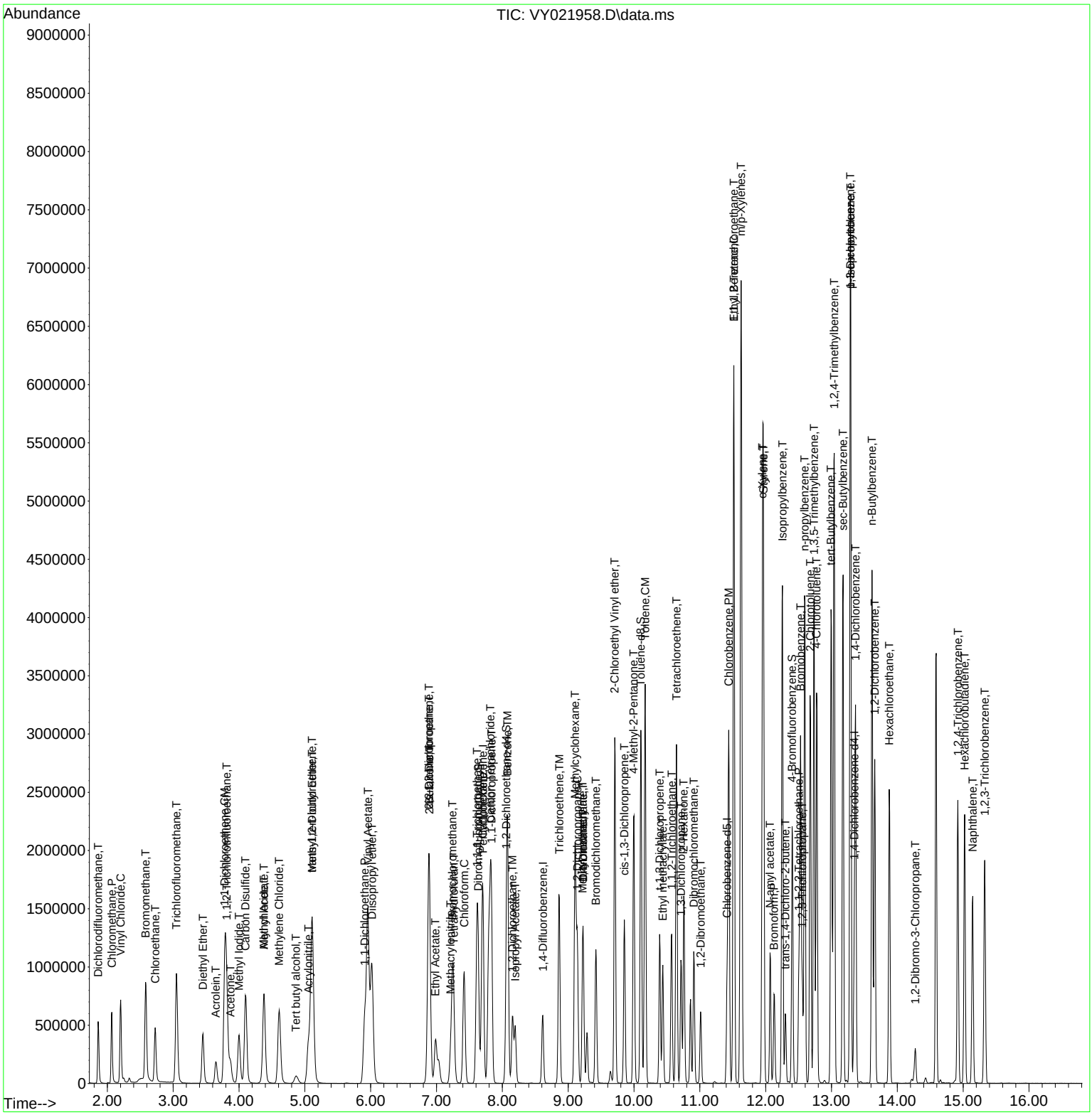
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Raw Data: **VY021935.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date/Time: 04/21/2025 09:08

Lab File ID: VY021935.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.729	0.702	0.1	-3.7	20
Vinyl Chloride	0.824	0.744		-9.71	20
Bromomethane	0.562	0.523		-6.94	20
Chloroethane	0.539	0.517		-4.08	20
Tert butyl alcohol	0.035	0.028		-20	20
1,1-Dichloroethene	0.524	0.478		-8.78	20
Acetone	0.111	0.094		-15.31	20
Carbon Disulfide	1.727	1.492		-13.61	20
Methyl tert-butyl Ether	1.306	1.235		-5.44	20
Methylene Chloride	0.626	0.563		-10.06	20
trans-1,2-Dichloroethene	0.577	0.566		-1.91	20
1,1-Dichloroethane	1.049	1.036	0.1	-1.24	20
2-Butanone	0.158	0.139		-12.02	20
Carbon Tetrachloride	0.566	0.586		3.53	20
cis-1,2-Dichloroethene	0.649	0.652		0.46	20
Chloroform	1.091	1.093		0.18	20
1,1,1-Trichloroethane	0.986	0.967		-1.93	20
Benzene	1.479	1.553		5	20
1,2-Dichloroethane	0.417	0.437		4.8	20
Trichloroethene	0.377	0.408		8.22	20
1,2-Dichloropropane	0.350	0.371		6	20
Bromodichloromethane	0.523	0.556		6.31	20
4-Methyl-2-Pentanone	0.230	0.234		1.74	20
Toluene	0.923	1.009		9.32	20
t-1,3-Dichloropropene	0.465	0.482		3.66	20
cis-1,3-Dichloropropene	0.548	0.572		4.38	20
1,1,2-Trichloroethane	0.260	0.279		7.31	20
2-Hexanone	0.153	0.153		0	20
Dibromochloromethane	0.355	0.390		9.86	20
Tetrachloroethene	0.455	0.511		12.31	20
Chlorobenzene	1.146	1.190	0.3	3.84	20
Ethyl Benzene	1.965	2.069		5.29	20
m/p-Xylenes	0.753	0.805		6.91	20
o-Xylene	0.695	0.744		7.05	20
Styrene	1.158	1.284		10.88	20
Bromoform	0.232	0.245	0.1	5.6	20
1,1,2,2-Tetrachloroethane	0.668	0.595	0.3	-10.93	20
1,2-Dichloroethane-d4	0.542	0.519		-4.24	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date/Time: 04/21/2025 09:08

Lab File ID: VY021935.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.324	0.345		6.48	20
Toluene-d8	1.234	1.304		5.67	20
4-Bromofluorobenzene	0.417	0.441		5.76	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021935.D
Acq On : 21 Apr 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 22 02:42:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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) Pentafluorobenzene	7.707	168	190380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	283274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	258729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	137455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98896	47.945	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.880%			
35) Dibromofluoromethane	7.634	113	97606	53.117	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.240%			
50) Toluene-d8	10.109	98	369261	52.823	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.640%			
62) 4-Bromofluorobenzene	12.408	95	124987	52.859	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	80280	40.684	ug/l	98
3) Chloromethane	2.068	50	133714	48.191	ug/l	99
4) Vinyl Chloride	2.202	62	141713	45.162	ug/l	100
5) Bromomethane	2.592	94	99583	46.530	ug/l	100
6) Chloroethane	2.733	64	98450	47.947	ug/l	98
7) Trichlorofluoromethane	3.056	101	181583	45.174	ug/l	99
8) Diethyl Ether	3.458	74	49107	44.923	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	99584	46.972	ug/l	99
10) Methyl Iodide	4.001	142	116701	50.176	ug/l	99
11) Tert butyl alcohol	4.879	59	26367	196.800	ug/l	98
12) 1,1-Dichloroethene	3.787	96	90954	45.548	ug/l	93
13) Acrolein	3.653	56	7776	31.786	ug/l	95
14) Allyl chloride	4.385	41	148952	46.783	ug/l	100
15) Acrylonitrile	5.061	53	106838	234.077	ug/l	99
16) Acetone	3.873	43	89088	211.031	ug/l	99
17) Carbon Disulfide	4.104	76	283988	43.177	ug/l	100
18) Methyl Acetate	4.391	43	72050	68.864	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	235137	47.296	ug/l	98
20) Methylene Chloride	4.616	84	107251	52.080	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	107757	49.010	ug/l	93
22) Diisopropyl ether	6.019	45	334898	50.142	ug/l	98
23) Vinyl Acetate	5.964	43	856132	219.115	ug/l	99
24) 1,1-Dichloroethane	5.915	63	197323	49.409	ug/l	98
25) 2-Butanone	6.896	43	132739	220.142	ug/l	100
26) 2,2-Dichloropropane	6.884	77	173398	48.810	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	124082	50.184	ug/l	97
28) Bromochloromethane	7.244	49	83053	49.310	ug/l	97
29) Tetrahydrofuran	7.262	42	88632	228.395	ug/l	99
30) Chloroform	7.421	83	208038	50.083	ug/l	95
31) Cyclohexane	7.701	56	154860	42.537	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	184005	49.012	ug/l	98
36) 1,1-Dichloropropene	7.835	75	140606	50.236	ug/l	98
37) Ethyl Acetate	6.982	43	60231	45.598	ug/l	99
38) Carbon Tetrachloride	7.817	117	165877	51.745	ug/l	97
39) Methylcyclohexane	9.110	83	162282	48.536	ug/l	98
40) Benzene	8.079	78	440049	52.500	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021935.D
Acq On : 21 Apr 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 22 02:42:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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)
41) Methacrylonitrile	7.226	41	30237	43.104 ug/l #	100
42) 1,2-Dichloroethane	8.158	62	123821	52.400 ug/l	99
43) Isopropyl Acetate	8.195	43	114342	45.678 ug/l	99
44) Trichloroethene	8.866	130	115521	54.092 ug/l	98
45) 1,2-Dichloropropane	9.140	63	105155	53.000 ug/l	94
46) Dibromomethane	9.231	93	60539	52.944 ug/l	99
47) Bromodichloromethane	9.420	83	157500	53.157 ug/l	98
48) Methyl methacrylate	9.219	41	57239	49.822 ug/l	98
49) 1,4-Dioxane	9.231	88	11998	979.478 ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	330745	253.898 ug/l	99
52) Toluene	10.170	92	285823	54.655 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	136654	51.926 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	162164	52.231 ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	79140	53.782 ug/l	99
56) Ethyl methacrylate	10.439	69	95988	51.086 ug/l	97
57) 1,3-Dichloropropane	10.719	76	133988	52.723 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	257013	280.396 ug/l	99
59) 2-Hexanone	10.762	43	216755	249.845 ug/l	100
60) Dibromochloromethane	10.914	129	110446	54.974 ug/l	100
61) 1,2-Dibromoethane	11.018	107	73069	52.934 ug/l	99
64) Tetrachloroethene	10.646	164	132299	56.144 ug/l	96
65) Chlorobenzene	11.444	112	307970	51.926 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	110407	52.468 ug/l	99
67) Ethyl Benzene	11.518	91	535282	52.632 ug/l	100
68) m/p-Xylenes	11.627	106	416599	106.972 ug/l	99
69) o-Xylene	11.957	106	192539	53.559 ug/l	100
70) Styrene	11.969	104	332214	55.426 ug/l	99
71) Bromoform	12.133	173	63303	52.738 ug/l	100
73) Isopropylbenzene	12.255	105	509941	49.949 ug/l	99
74) N-amyl acetate	12.072	43	103900	43.363 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	81727	44.525 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	68311m	50.135 ug/l	
77) Bromobenzene	12.536	156	122745	50.074 ug/l	97
78) n-propylbenzene	12.597	91	616586	50.235 ug/l	99
79) 2-Chlorotoluene	12.682	91	357709	50.177 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	423156	50.714 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	27279	46.131 ug/l	99
82) 4-Chlorotoluene	12.780	91	376375	50.641 ug/l	99
83) tert-Butylbenzene	12.999	119	363749	48.944 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	426708	51.742 ug/l	100
85) sec-Butylbenzene	13.176	105	542599	49.958 ug/l	100
86) p-Isopropyltoluene	13.292	119	466865	52.008 ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	243945	50.512 ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	240246	50.351 ug/l	99
89) n-Butylbenzene	13.621	91	419349	50.513 ug/l	99
90) Hexachloroethane	13.883	117	96849	49.234 ug/l	96
91) 1,2-Dichlorobenzene	13.664	146	213145	50.700 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13095	46.030 ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	119363	52.356 ug/l	100
94) Hexachlorobutadiene	15.029	225	73579	51.677 ug/l	98
95) Naphthalene	15.145	128	192802	51.020 ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	100061	51.468 ug/l	99

Sample Results: **VY021935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021935.D
Acq On : 21 Apr 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 22 02:42:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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)

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

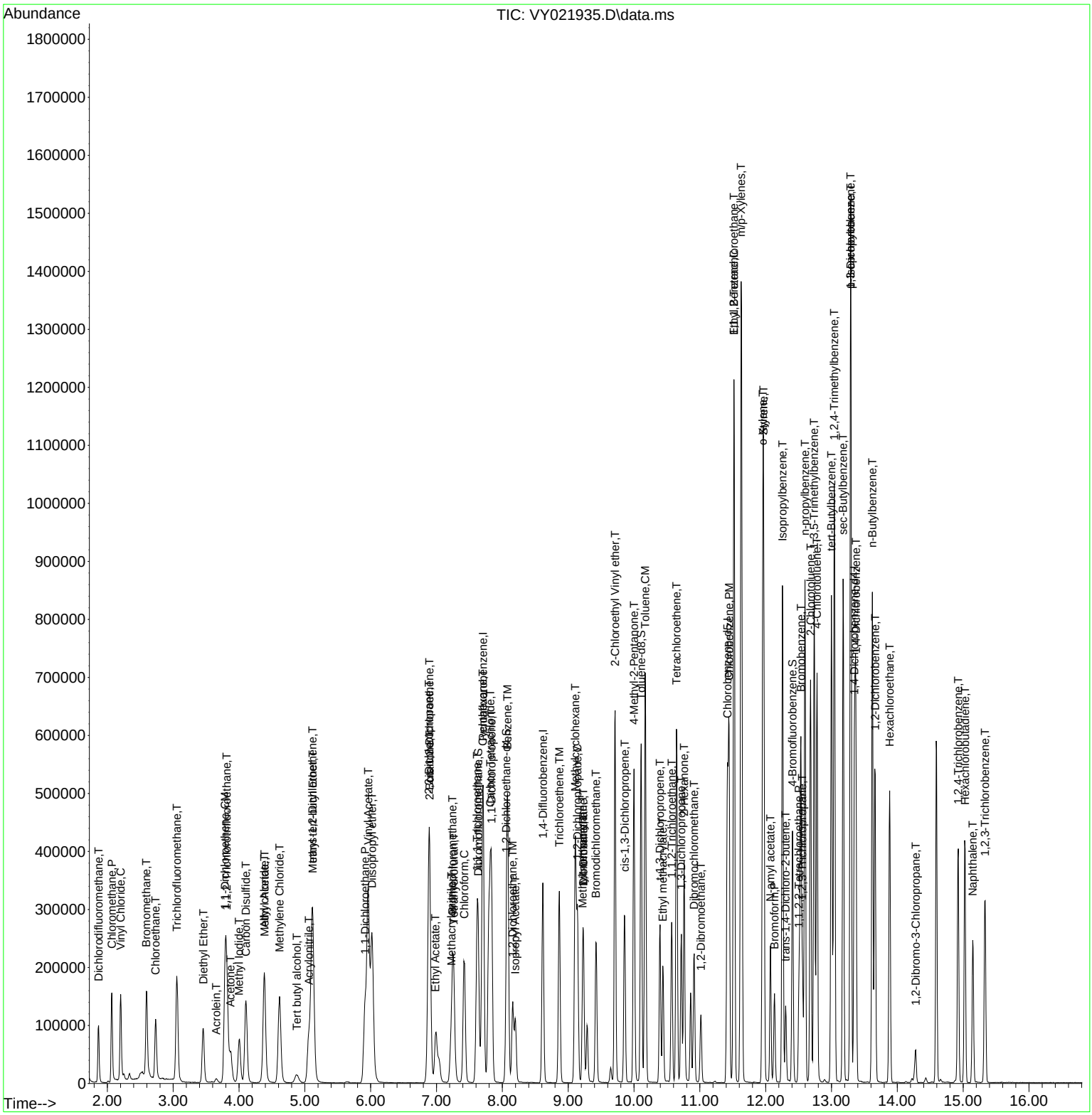
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021935.D
Acq On : 21 Apr 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 22 02:42:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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



Sample Results: **VY021935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021935.D
Acq On : 21 Apr 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 22 02:42:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	80	0.00
2	T	Dichlorodifluoromethane	0.518	0.422	18.5	67	0.00
3	P	Chloromethane	0.729	0.702	3.7	81	0.00
4	C	Vinyl Chloride	0.824	0.744	9.7#	74	0.00
5	T	Bromomethane	0.562	0.523	6.9	81	0.00
6	T	Chloroethane	0.539	0.517	4.1	81	0.00
7	T	Trichlorofluoromethane	1.056	0.954	9.7	75	0.00
8	T	Diethyl Ether	0.287	0.258	10.1	75	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.523	6.1	78	0.00
10	T	Methyl Iodide	0.611	0.613	-0.3	75	0.00
11	T	Tert butyl alcohol	0.035	0.028	20.0	65	0.02
12	CM	1,1-Dichloroethene	0.524	0.478	8.8#	74	0.00
13	T	Acrolein	0.064	0.008	87.5#	10#	0.00
14	T	Allyl chloride	0.836	0.782	6.5	75	0.00
15	T	Acrylonitrile	0.120	0.112	6.7	74	0.00
16	T	Acetone	0.111	0.094	15.3	70	0.00
17	T	Carbon Disulfide	1.727	1.492	13.6	70	0.00
18	T	Methyl Acetate	0.275	0.378	-37.5#	114	0.00
19	T	Methyl tert-butyl Ether	1.306	1.235	5.4	74	0.00
20	T	Methylene Chloride	0.626	0.563	10.1	80	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.566	1.9	80	0.00
22	T	Diisopropyl ether	1.754	1.759	-0.3	78	0.00
23	T	Vinyl Acetate	1.026	0.899	12.4	67	0.00
24	P	1,1-Dichloroethane	1.049	1.036	1.2	80	0.00
25	T	2-Butanone	0.158	0.139	12.0	70	0.00
26	T	2,2-Dichloropropane	0.933	0.911	2.4	79	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.652	-0.5	80	0.00
28	T	Bromochloromethane	0.442	0.436	1.4	82	0.00
29	T	Tetrahydrofuran	0.102	0.093	8.8	71	0.00
30	C	Chloroform	1.091	1.093	-0.2#	81	0.00
31	T	Cyclohexane	0.956	0.813	15.0	71	0.00
32	T	1,1,1-Trichloroethane	0.986	0.967	1.9	80	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.519	4.2	76	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	77	0.00
35	S	Dibromofluoromethane	0.324	0.345	-6.5	78	0.00
36	T	1,1-Dichloropropene	0.494	0.496	-0.4	76	0.00
37	T	Ethyl Acetate	0.233	0.213	8.6	69	0.00
38	T	Carbon Tetrachloride	0.566	0.586	-3.5	80	0.00
39	T	Methylcyclohexane	0.590	0.573	2.9	71	0.00
40	TM	Benzene	1.479	1.553	-5.0	79	0.00
41	T	Methacrylonitrile	0.124	0.107	13.7	60	0.00
42	TM	1,2-Dichloroethane	0.417	0.437	-4.8	80	0.00
43	T	Isopropyl Acetate	0.442	0.404	8.6	68	0.00
44	TM	Trichloroethene	0.377	0.408	-8.2	83	0.00
45	C	1,2-Dichloropropane	0.350	0.371	-6.0#	81	0.00
46	T	Dibromomethane	0.202	0.214	-5.9	82	0.00
47	T	Bromodichloromethane	0.523	0.556	-6.3	81	0.00
48	T	Methyl methacrylate	0.203	0.202	0.5	73	0.00

Sample Results: **VY021935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021935.D
Acq On : 21 Apr 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 22 02:42:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	73	0.00
50	S	Toluene-d8	1.234	1.304	-5.7	76	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.234	-1.7	74	0.00
52	CM	Toluene	0.923	1.009	-9.3#	81	0.00
53	T	t-1,3-Dichloropropene	0.465	0.482	-3.7	76	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.572	-4.4	78	0.00
55	T	1,1,2-Trichloroethane	0.260	0.279	-7.3	82	0.00
56	T	Ethyl methacrylate	0.332	0.339	-2.1	71	0.00
57	T	1,3-Dichloropropane	0.449	0.473	-5.3	79	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.181	-11.7	77	0.00
59	T	2-Hexanone	0.153	0.153	0.0	72	0.00
60	T	Dibromochloromethane	0.355	0.390	-9.9	82	0.00
61	T	1,2-Dibromoethane	0.244	0.258	-5.7	78	0.00
62	S	4-Bromofluorobenzene	0.417	0.441	-5.8	77	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
64	T	Tetrachloroethene	0.455	0.511	-12.3	89	0.00
65	PM	Chlorobenzene	1.146	1.190	-3.8	81	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.427	-4.9	81	0.00
67	C	Ethyl Benzene	1.965	2.069	-5.3#	79	0.00
68	T	m/p-Xylenes	0.753	0.805	-6.9	80	0.00
69	T	o-Xylene	0.695	0.744	-7.1	79	0.00
70	T	Styrene	1.158	1.284	-10.9	82	0.00
71	P	Bromoform	0.232	0.245	-5.6	81	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
73	T	Isopropylbenzene	3.714	3.710	0.1	79	0.00
74	T	N-amyl acetate	0.872	0.756	13.3	67	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.595	10.9	74	0.00
76	T	1,2,3-Trichloropropane	0.496	0.497	-0.2	82	0.00
77	T	Bromobenzene	0.892	0.893	-0.1	82	0.00
78	T	n-propylbenzene	4.465	4.486	-0.5	80	0.00
79	T	2-Chlorotoluene	2.593	2.602	-0.3	81	0.00
80	T	1,3,5-Trimethylbenzene	3.035	3.079	-1.4	80	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.198	7.9	73	0.00
82	T	4-Chlorotoluene	2.704	2.738	-1.3	81	0.00
83	T	tert-Butylbenzene	2.703	2.646	2.1	78	0.00
84	T	1,2,4-Trimethylbenzene	3.000	3.104	-3.5	81	0.00
85	T	sec-Butylbenzene	3.951	3.947	0.1	79	0.00
86	T	p-Isopropyltoluene	3.265	3.396	-4.0	81	0.00
87	T	1,3-Dichlorobenzene	1.757	1.775	-1.0	83	0.00
88	T	1,4-Dichlorobenzene	1.736	1.748	-0.7	82	0.00
89	T	n-Butylbenzene	3.020	3.051	-1.0	79	0.00
90	T	Hexachloroethane	0.716	0.705	1.5	82	0.00
91	T	1,2-Dichlorobenzene	1.529	1.551	-1.4	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.095	7.8	76	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.868	-4.7	81	0.00
94	T	Hexachlorobutadiene	0.518	0.535	-3.3	84	0.00
95	T	Naphthalene	1.375	1.403	-2.0	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021935.D
Acq On : 21 Apr 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 22 02:42:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.707	0.728	-3.0	80	0.00

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

Sample Results: **VY021935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021935.D
Acq On : 21 Apr 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 22 02:42:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	80	0.00
2	T	Dichlorodifluoromethane	50.000	40.684	18.6	67	0.00
3	P	Chloromethane	50.000	48.191	3.6	81	0.00
4	C	Vinyl Chloride	50.000	45.162	9.7#	74	0.00
5	T	Bromomethane	50.000	46.530	6.9	81	0.00
6	T	Chloroethane	50.000	47.947	4.1	81	0.00
7	T	Trichlorofluoromethane	50.000	45.174	9.7	75	0.00
8	T	Diethyl Ether	50.000	44.923	10.2	75	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.972	6.1	78	0.00
10	T	Methyl Iodide	50.000	50.176	-0.4	75	0.00
11	T	Tert butyl alcohol	250.000	196.800	21.3	65	0.02
12	CM	1,1-Dichloroethene	50.000	45.548	8.9#	74	0.00
13	T	Acrolein	250.000	31.786	87.3#	10	0.00
14	T	Allyl chloride	50.000	46.783	6.4	75	0.00
15	T	Acrylonitrile	250.000	234.077	6.4	74	0.00
16	T	Acetone	250.000	211.031	15.6	70	0.00
17	T	Carbon Disulfide	50.000	43.177	13.6	70	0.00
18	T	Methyl Acetate	50.000	68.864	-37.7#	114	0.00
19	T	Methyl tert-butyl Ether	50.000	47.296	5.4	74	0.00
20	T	Methylene Chloride	50.000	52.080	-4.2	80	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.010	2.0	80	0.00
22	T	Diisopropyl ether	50.000	50.142	-0.3	78	0.00
23	T	Vinyl Acetate	250.000	219.115	12.4	67	0.00
24	P	1,1-Dichloroethane	50.000	49.409	1.2	80	0.00
25	T	2-Butanone	250.000	220.142	11.9	70	0.00
26	T	2,2-Dichloropropane	50.000	48.810	2.4	79	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.184	-0.4	80	0.00
28	T	Bromochloromethane	50.000	49.310	1.4	82	0.00
29	T	Tetrahydrofuran	250.000	228.395	8.6	71	0.00
30	C	Chloroform	50.000	50.083	-0.2#	81	0.00
31	T	Cyclohexane	50.000	42.537	14.9	71	0.00
32	T	1,1,1-Trichloroethane	50.000	49.012	2.0	80	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.945	4.1	76	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	77	0.00
35	S	Dibromofluoromethane	50.000	53.117	-6.2	78	0.00
36	T	1,1-Dichloropropene	50.000	50.236	-0.5	76	0.00
37	T	Ethyl Acetate	50.000	45.598	8.8	69	0.00
38	T	Carbon Tetrachloride	50.000	51.745	-3.5	80	0.00
39	T	Methylcyclohexane	50.000	48.536	2.9	71	0.00
40	TM	Benzene	50.000	52.500	-5.0	79	0.00
41	T	Methacrylonitrile	50.000	43.104	13.8	60	0.00
42	TM	1,2-Dichloroethane	50.000	52.400	-4.8	80	0.00
43	T	Isopropyl Acetate	50.000	45.678	8.6	68	0.00
44	TM	Trichloroethene	50.000	54.092	-8.2	83	0.00
45	C	1,2-Dichloropropane	50.000	53.000	-6.0#	81	0.00
46	T	Dibromomethane	50.000	52.944	-5.9	82	0.00
47	T	Bromodichloromethane	50.000	53.157	-6.3	81	0.00
48	T	Methyl methacrylate	50.000	49.822	0.4	73	0.00

Sample Results: **VY021935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021935.D
Acq On : 21 Apr 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 22 02:42:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	979.478	2.1	73	0.00
50	S	Toluene-d8	50.000	52.823	-5.6	76	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.898	-1.6	74	0.00
52	CM	Toluene	50.000	54.655	-9.3#	81	0.00
53	T	t-1,3-Dichloropropene	50.000	51.926	-3.9	76	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.231	-4.5	78	0.00
55	T	1,1,2-Trichloroethane	50.000	53.782	-7.6	82	0.00
56	T	Ethyl methacrylate	50.000	51.086	-2.2	71	0.00
57	T	1,3-Dichloropropane	50.000	52.723	-5.4	79	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.396	-12.2	77	0.00
59	T	2-Hexanone	250.000	249.845	0.1	72	0.00
60	T	Dibromochloromethane	50.000	54.974	-9.9	82	0.00
61	T	1,2-Dibromoethane	50.000	52.934	-5.9	78	0.00
62	S	4-Bromofluorobenzene	50.000	52.859	-5.7	77	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	78	0.00
64	T	Tetrachloroethene	50.000	56.144	-12.3	89	0.00
65	PM	Chlorobenzene	50.000	51.926	-3.9	81	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.468	-4.9	81	0.00
67	C	Ethyl Benzene	50.000	52.632	-5.3#	79	0.00
68	T	m/p-Xylenes	100.000	106.972	-7.0	80	0.00
69	T	o-Xylene	50.000	53.559	-7.1	79	0.00
70	T	Styrene	50.000	55.426	-10.9	82	0.00
71	P	Bromoform	50.000	52.738	-5.5	81	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	82	0.00
73	T	Isopropylbenzene	50.000	49.949	0.1	79	0.00
74	T	N-amyl acetate	50.000	43.363	13.3	67	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.525	11.0	74	0.00
76	T	1,2,3-Trichloropropane	50.000	50.135	-0.3	82	0.00
77	T	Bromobenzene	50.000	50.074	-0.1	82	0.00
78	T	n-propylbenzene	50.000	50.235	-0.5	80	0.00
79	T	2-Chlorotoluene	50.000	50.177	-0.4	81	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.714	-1.4	80	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.131	7.7	73	0.00
82	T	4-Chlorotoluene	50.000	50.641	-1.3	81	0.00
83	T	tert-Butylbenzene	50.000	48.944	2.1	78	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.742	-3.5	81	0.00
85	T	sec-Butylbenzene	50.000	49.958	0.1	79	0.00
86	T	p-Isopropyltoluene	50.000	52.008	-4.0	81	0.00
87	T	1,3-Dichlorobenzene	50.000	50.512	-1.0	83	0.00
88	T	1,4-Dichlorobenzene	50.000	50.351	-0.7	82	0.00
89	T	n-Butylbenzene	50.000	50.513	-1.0	79	0.00
90	T	Hexachloroethane	50.000	49.234	1.5	82	0.00
91	T	1,2-Dichlorobenzene	50.000	50.700	-1.4	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.030	7.9	76	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.356	-4.7	81	0.00
94	T	Hexachlorobutadiene	50.000	51.677	-3.4	84	0.00
95	T	Naphthalene	50.000	51.020	-2.0	76	0.00

Sample Results: **VY021935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021935.D
Acq On : 21 Apr 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 22 02:42:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.468	-2.9	80	0.00

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

Raw Data: **VY021962.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date/Time: 04/23/2025 09:57

Lab File ID: VY021962.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.607	0.595	0.1	-1.98	20
Vinyl Chloride	0.745	0.714		-4.16	20
Bromomethane	0.642	0.600		-6.54	20
Chloroethane	0.508	0.500		-1.58	20
Tert butyl alcohol	0.025	0.020		-20	20
1,1-Dichloroethene	0.497	0.472		-5.03	20
Acetone	0.070	0.055		-21.43	20
Carbon Disulfide	1.585	1.529		-3.53	20
Methyl tert-butyl Ether	1.113	1.042		-6.38	20
Methylene Chloride	0.584	0.518		-11.3	20
trans-1,2-Dichloroethene	0.557	0.547		-1.79	20
1,1-Dichloroethane	0.893	0.858	0.1	-3.92	20
2-Butanone	0.105	0.092		-12.38	20
Carbon Tetrachloride	0.530	0.526		-0.75	20
cis-1,2-Dichloroethene	0.622	0.605		-2.73	20
Chloroform	0.990	0.965		-2.53	20
1,1,1-Trichloroethane	0.896	0.858		-4.24	20
Benzene	1.387	1.381		-0.43	20
1,2-Dichloroethane	0.343	0.331		-3.5	20
Trichloroethene	0.384	0.371		-3.38	20
1,2-Dichloropropane	0.307	0.306		-0.33	20
Bromodichloromethane	0.480	0.479		-0.21	20
4-Methyl-2-Pentanone	0.160	0.152		-5	20
Toluene	0.898	0.927		3.23	20
t-1,3-Dichloropropene	0.411	0.401		-2.43	20
cis-1,3-Dichloropropene	0.489	0.487		-0.41	20
1,1,2-Trichloroethane	0.256	0.248		-3.13	20
2-Hexanone	0.106	0.100		-5.66	20
Dibromochloromethane	0.355	0.348		-1.97	20
Tetrachloroethene	0.472	0.451		-4.45	20
Chlorobenzene	1.118	1.095	0.3	-2.06	20
Ethyl Benzene	1.829	1.881		2.84	20
m/p-Xylenes	0.728	0.756		3.85	20
o-Xylene	0.671	0.693		3.28	20
Styrene	1.126	1.186		5.33	20
Bromoform	0.229	0.219	0.1	-4.37	20
1,1,2,2-Tetrachloroethane	0.563	0.526	0.3	-6.57	20
1,2-Dichloroethane-d4	0.462	0.438		-5.2	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date/Time: 04/23/2025 09:57

Lab File ID: VY021962.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.330	0.325		-1.51	20
Toluene-d8	1.245	1.266		1.69	20
4-Bromofluorobenzene	0.419	0.422		0.72	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.713	168	304636	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	465219	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.420	117	430304	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	227723	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	133520	47.451 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.900%		
35) Dibromofluoromethane	7.634	113	151319	49.234 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.460%		
50) Toluene-d8	10.109	98	589167	50.847 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.700%		
62) 4-Bromofluorobenzene	12.408	95	196424	50.357 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.720%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	116536	44.894 ug/l	99
3) Chloromethane	2.068	50	181350	49.065 ug/l	99
4) Vinyl Chloride	2.202	62	217446	47.874 ug/l	100
5) Bromomethane	2.599	94	182857	46.729 ug/l	100
6) Chloroethane	2.733	64	152398	49.267 ug/l	98
7) Trichlorofluoromethane	3.056	101	287420	47.989 ug/l	98
8) Diethyl Ether	3.452	74	69537	44.607 ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	149408	45.985 ug/l	99
10) Methyl Iodide	4.007	142	183739	48.844 ug/l	98
11) Tert butyl alcohol	4.879	59	31210	202.034 ug/l #	88
12) 1,1-Dichloroethene	3.793	96	143778	47.476 ug/l	99
13) Acrolein	3.659	56	56593	204.115 ug/l	97
14) Allyl chloride	4.385	41	168316	47.732 ug/l	100
15) Acrylonitrile	5.061	53	126185	221.107 ug/l	99
16) Acetone	3.879	43	84438	227.318 ug/l	91
17) Carbon Disulfide	4.104	76	465690	48.228 ug/l	99
18) Methyl Acetate	4.391	43	60532	46.052 ug/l	99
19) Methyl tert-butyl Ether	5.122	73	317518	46.844 ug/l	99
20) Methylene Chloride	4.616	84	157872	44.370 ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	166597	49.120 ug/l	96
22) Diisopropyl ether	6.019	45	390556	49.769 ug/l	97
23) Vinyl Acetate	5.964	43	1018467	240.820 ug/l	100
24) 1,1-Dichloroethane	5.915	63	261269	48.033 ug/l	98
25) 2-Butanone	6.896	43	139641	217.710 ug/l	99
26) 2,2-Dichloropropane	6.890	77	231168	48.489 ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	184296	48.597 ug/l	99
28) Bromochloromethane	7.250	49	102469	48.500 ug/l	99
29) Tetrahydrofuran	7.262	42	93574	224.622 ug/l	98
30) Chloroform	7.421	83	294102	48.745 ug/l	100
31) Cyclohexane	7.701	56	220118	47.322 ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	261492	47.904 ug/l	100
36) 1,1-Dichloropropene	7.835	75	207306	50.213 ug/l	99
37) Ethyl Acetate	6.988	43	65822	44.392 ug/l	98
38) Carbon Tetrachloride	7.817	117	244632	49.588 ug/l	97
39) Methylcyclohexane	9.110	83	257532	49.568 ug/l	97
40) Benzene	8.079	78	642424	49.779 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	36422	44.935	ug/l		97
42) 1,2-Dichloroethane	8.158	62	153778	48.127	ug/l		100
43) Isopropyl Acetate	8.201	43	131510	46.184	ug/l		98
44) Trichloroethene	8.866	130	172785	48.336	ug/l		98
45) 1,2-Dichloropropane	9.140	63	142245	49.841	ug/l		98
46) Dibromomethane	9.231	93	86051	48.165	ug/l		99
47) Bromodichloromethane	9.427	83	222639	49.884	ug/l		99
48) Methyl methacrylate	9.219	41	63582	48.301	ug/l		99
49) 1,4-Dioxane	9.244	88	17347	910.985	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.000	43	354051	237.188	ug/l		100
52) Toluene	10.170	92	431458	51.648	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	186739	48.779	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	226412	49.753	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	115302	48.315	ug/l		99
56) Ethyl methacrylate	10.439	69	135058	49.489	ug/l		99
57) 1,3-Dichloropropane	10.719	76	187872	49.107	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	330303	247.543	ug/l		100
59) 2-Hexanone	10.762	43	233063	236.717	ug/l		98
60) Dibromochloromethane	10.914	129	162089	49.058	ug/l		99
61) 1,2-Dibromoethane	11.018	107	109207	48.473	ug/l		98
64) Tetrachloroethene	10.646	164	194016	47.795	ug/l		99
65) Chlorobenzene	11.444	112	471216	48.969	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	169077	49.909	ug/l		100
67) Ethyl Benzene	11.518	91	809578	51.431	ug/l		98
68) m/p-Xylenes	11.627	106	651015	103.933	ug/l		99
69) o-Xylene	11.957	106	298324	51.674	ug/l		100
70) Styrene	11.969	104	510378	52.652	ug/l		100
71) Bromoform	12.133	173	94049	47.750	ug/l	#	100
73) Isopropylbenzene	12.255	105	786442	51.691	ug/l		100
74) N-amyl acetate	12.072	43	122929	47.028	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	119870	46.731	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	92788m	47.570	ug/l		
77) Bromobenzene	12.536	156	191765	49.881	ug/l		99
78) n-propylbenzene	12.597	91	937068	51.719	ug/l		100
79) 2-Chlorotoluene	12.682	91	534581	50.734	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	656821	52.396	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	36526	45.095	ug/l		98
82) 4-Chlorotoluene	12.780	91	565209	51.601	ug/l		99
83) tert-Butylbenzene	12.999	119	572255	50.900	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	654511	52.200	ug/l		99
85) sec-Butylbenzene	13.176	105	854324	51.930	ug/l		100
86) p-Isopropyltoluene	13.292	119	722898	51.747	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	390395	49.998	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	378229	48.910	ug/l		99
89) n-Butylbenzene	13.621	91	639690	51.230	ug/l		100
90) Hexachloroethane	13.883	117	151676	49.417	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	336961	49.478	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17627	43.193	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	185069	47.955	ug/l		99
94) Hexachlorobutadiene	15.023	225	114409	48.184	ug/l		99
95) Naphthalene	15.145	128	298015	46.487	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	158449	47.564	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

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

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

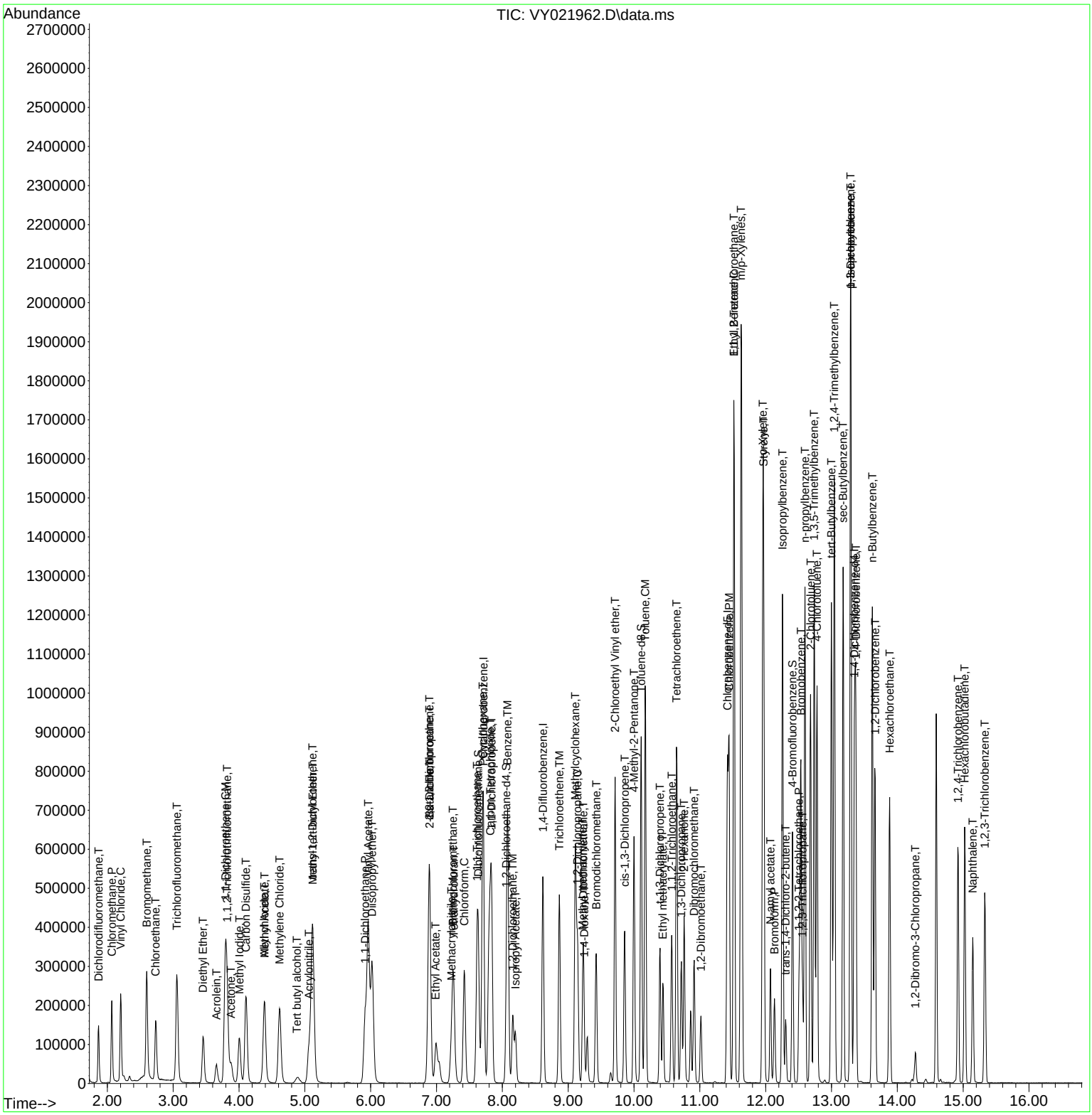
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025



Sample Results: **VY021962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.426	0.383	10.1	92	0.00
3	P	Chloromethane	0.607	0.595	2.0	94	0.00
4	C	Vinyl Chloride	0.745	0.714	4.2#	93	0.00
5	T	Bromomethane	0.642	0.600	6.5	95	0.00
6	T	Chloroethane	0.508	0.500	1.6	96	0.00
7	T	Trichlorofluoromethane	0.983	0.943	4.1	93	0.00
8	T	Diethyl Ether	0.256	0.228	10.9	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.490	8.1	95	0.00
10	T	Methyl Iodide	0.617	0.603	2.3	91	0.00
11	T	Tert butyl alcohol	0.025	0.020	20.0	74	0.00
12	CM	1,1-Dichloroethene	0.497	0.472	5.0#	95	0.00
13	T	Acrolein	0.046	0.037	19.6	83	0.00
14	T	Allyl chloride	0.579	0.553	4.5	94	0.00
15	T	Acrylonitrile	0.094	0.083	11.7	84	0.00
16	T	Acetone	0.070	0.055	21.4	83	0.00
17	T	Carbon Disulfide	1.585	1.529	3.5	97	0.00
18	T	Methyl Acetate	0.216	0.199	7.9	84	0.00
19	T	Methyl tert-butyl Ether	1.113	1.042	6.4	87	0.00
20	T	Methylene Chloride	0.584	0.518	11.3	92	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.547	1.8	97	0.01
22	T	Diisopropyl ether	1.288	1.282	0.5	94	0.00
23	T	Vinyl Acetate	0.694	0.669	3.6	88	0.00
24	P	1,1-Dichloroethane	0.893	0.858	3.9	95	0.00
25	T	2-Butanone	0.105	0.092	12.4	82	0.00
26	T	2,2-Dichloropropane	0.782	0.759	2.9	97	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.605	2.7	94	0.00
28	T	Bromochloromethane	0.347	0.336	3.2	93	0.00
29	T	Tetrahydrofuran	0.068	0.061	10.3	80	0.00
30	C	Chloroform	0.990	0.965	2.5#	96	0.00
31	T	Cyclohexane	0.763	0.723	5.2	97	0.00
32	T	1,1,1-Trichloroethane	0.896	0.858	4.2	95	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.438	5.2	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.330	0.325	1.5	92	0.00
36	T	1,1-Dichloropropene	0.444	0.446	-0.5	98	0.00
37	T	Ethyl Acetate	0.159	0.141	11.3	82	0.00
38	T	Carbon Tetrachloride	0.530	0.526	0.8	97	0.00
39	T	Methylcyclohexane	0.558	0.554	0.7	94	0.00
40	TM	Benzene	1.387	1.381	0.4	96	0.00
41	T	Methacrylonitrile	0.087	0.078	10.3	79	0.00
42	TM	1,2-Dichloroethane	0.343	0.331	3.5	92	0.00
43	T	Isopropyl Acetate	0.306	0.283	7.5	84	0.00
44	TM	Trichloroethene	0.384	0.371	3.4	94	0.00
45	C	1,2-Dichloropropane	0.307	0.306	0.3#	95	0.00
46	T	Dibromomethane	0.192	0.185	3.6	92	0.00
47	T	Bromodichloromethane	0.480	0.479	0.2	95	0.00
48	T	Methyl methacrylate	0.141	0.137	2.8	85	0.00

Sample Results: **VY021962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	85	0.00
50	S	Toluene-d8	1.245	1.266	-1.7	92	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.152	5.0	83	0.00
52	CM	Toluene	0.898	0.927	-3.2#	97	0.00
53	T	t-1,3-Dichloropropene	0.411	0.401	2.4	90	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.487	0.4	94	0.00
55	T	1,1,2-Trichloroethane	0.256	0.248	3.1	90	0.00
56	T	Ethyl methacrylate	0.293	0.290	1.0	85	0.00
57	T	1,3-Dichloropropane	0.411	0.404	1.7	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.142	0.7	82	0.00
59	T	2-Hexanone	0.106	0.100	5.7	81	0.00
60	T	Dibromochloromethane	0.355	0.348	2.0	92	0.00
61	T	1,2-Dibromoethane	0.242	0.235	2.9	91	0.00
62	S	4-Bromofluorobenzene	0.419	0.422	-0.7	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.472	0.451	4.4	93	0.00
65	PM	Chlorobenzene	1.118	1.095	2.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.393	0.3	95	0.00
67	C	Ethyl Benzene	1.829	1.881	-2.8#	96	0.00
68	T	m/p-Xylenes	0.728	0.756	-3.8	97	0.00
69	T	o-Xylene	0.671	0.693	-3.3	94	0.00
70	T	Styrene	1.126	1.186	-5.3	95	0.00
71	P	Bromoform	0.229	0.219	4.4	89	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.341	3.454	-3.4	96	0.00
74	T	N-amyl acetate	0.574	0.540	5.9	85	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.526	6.6	89	0.00
76	T	1,2,3-Trichloropropane	0.428	0.407	4.9	93	0.00
77	T	Bromobenzene	0.844	0.842	0.2	94	0.00
78	T	n-propylbenzene	3.978	4.115	-3.4	96	0.00
79	T	2-Chlorotoluene	2.314	2.348	-1.5	95	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.884	-4.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.160	10.1	84	0.00
82	T	4-Chlorotoluene	2.405	2.482	-3.2	97	0.00
83	T	tert-Butylbenzene	2.468	2.513	-1.8	93	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.874	-4.4	96	0.00
85	T	sec-Butylbenzene	3.612	3.752	-3.9	96	0.00
86	T	p-Isopropyltoluene	3.067	3.174	-3.5	95	0.00
87	T	1,3-Dichlorobenzene	1.714	1.714	0.0	96	0.00
88	T	1,4-Dichlorobenzene	1.698	1.661	2.2	95	0.00
89	T	n-Butylbenzene	2.742	2.809	-2.4	95	0.00
90	T	Hexachloroethane	0.674	0.666	1.2	97	0.00
91	T	1,2-Dichlorobenzene	1.495	1.480	1.0	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.077	14.4	85	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.813	4.0	91	0.00
94	T	Hexachlorobutadiene	0.521	0.502	3.6	97	0.00
95	T	Naphthalene	1.408	1.309	7.0	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.731	0.696	4.8	91	0.00

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

Sample Results: **VY021962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	44.894	10.2	92	0.00
3	P	Chloromethane	50.000	49.065	1.9	94	0.00
4	C	Vinyl Chloride	50.000	47.874	4.3#	93	0.00
5	T	Bromomethane	50.000	46.729	6.5	95	0.00
6	T	Chloroethane	50.000	49.267	1.5	96	0.00
7	T	Trichlorofluoromethane	50.000	47.989	4.0	93	0.00
8	T	Diethyl Ether	50.000	44.607	10.8	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.985	8.0	95	0.00
10	T	Methyl Iodide	50.000	48.844	2.3	91	0.00
11	T	Tert butyl alcohol	250.000	202.034	19.2	74	0.00
12	CM	1,1-Dichloroethene	50.000	47.476	5.0#	95	0.00
13	T	Acrolein	250.000	204.115	18.4	83	0.00
14	T	Allyl chloride	50.000	47.732	4.5	94	0.00
15	T	Acrylonitrile	250.000	221.107	11.6	84	0.00
16	T	Acetone	250.000	227.318	9.1	83	0.00
17	T	Carbon Disulfide	50.000	48.228	3.5	97	0.00
18	T	Methyl Acetate	50.000	46.052	7.9	84	0.00
19	T	Methyl tert-butyl Ether	50.000	46.844	6.3	87	0.00
20	T	Methylene Chloride	50.000	44.370	11.3	92	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.120	1.8	97	0.01
22	T	Diisopropyl ether	50.000	49.769	0.5	94	0.00
23	T	Vinyl Acetate	250.000	240.820	3.7	88	0.00
24	P	1,1-Dichloroethane	50.000	48.033	3.9	95	0.00
25	T	2-Butanone	250.000	217.710	12.9	82	0.00
26	T	2,2-Dichloropropane	50.000	48.489	3.0	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.597	2.8	94	0.00
28	T	Bromochloromethane	50.000	48.500	3.0	93	0.00
29	T	Tetrahydrofuran	250.000	224.622	10.2	80	0.00
30	C	Chloroform	50.000	48.745	2.5#	96	0.00
31	T	Cyclohexane	50.000	47.322	5.4	97	0.00
32	T	1,1,1-Trichloroethane	50.000	47.904	4.2	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.451	5.1	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	49.234	1.5	92	0.00
36	T	1,1-Dichloropropene	50.000	50.213	-0.4	98	0.00
37	T	Ethyl Acetate	50.000	44.392	11.2	82	0.00
38	T	Carbon Tetrachloride	50.000	49.588	0.8	97	0.00
39	T	Methylcyclohexane	50.000	49.568	0.9	94	0.00
40	TM	Benzene	50.000	49.779	0.4	96	0.00
41	T	Methacrylonitrile	50.000	44.935	10.1	79	0.00
42	TM	1,2-Dichloroethane	50.000	48.127	3.7	92	0.00
43	T	Isopropyl Acetate	50.000	46.184	7.6	84	0.00
44	TM	Trichloroethene	50.000	48.336	3.3	94	0.00
45	C	1,2-Dichloropropane	50.000	49.841	0.3#	95	0.00
46	T	Dibromomethane	50.000	48.165	3.7	92	0.00
47	T	Bromodichloromethane	50.000	49.884	0.2	95	0.00
48	T	Methyl methacrylate	50.000	48.301	3.4	85	0.00

Sample Results: **VY021962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	910.985	8.9	85	0.00
50	S	Toluene-d8	50.000	50.847	-1.7	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	237.188	5.1	83	0.00
52	CM	Toluene	50.000	51.648	-3.3#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	48.779	2.4	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.753	0.5	94	0.00
55	T	1,1,2-Trichloroethane	50.000	48.315	3.4	90	0.00
56	T	Ethyl methacrylate	50.000	49.489	1.0	85	0.00
57	T	1,3-Dichloropropane	50.000	49.107	1.8	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.543	1.0	82	0.00
59	T	2-Hexanone	250.000	236.717	5.3	81	0.00
60	T	Dibromochloromethane	50.000	49.058	1.9	92	0.00
61	T	1,2-Dibromoethane	50.000	48.473	3.1	91	0.00
62	S	4-Bromofluorobenzene	50.000	50.357	-0.7	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	47.795	4.4	93	0.00
65	PM	Chlorobenzene	50.000	48.969	2.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.909	0.2	95	0.00
67	C	Ethyl Benzene	50.000	51.431	-2.9#	96	0.00
68	T	m/p-Xylenes	100.000	103.933	-3.9	97	0.00
69	T	o-Xylene	50.000	51.674	-3.3	94	0.00
70	T	Styrene	50.000	52.652	-5.3	95	0.00
71	P	Bromoform	50.000	47.750	4.5	89	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	51.691	-3.4	96	0.00
74	T	N-amyl acetate	50.000	47.028	5.9	85	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.731	6.5	89	0.00
76	T	1,2,3-Trichloropropane	50.000	47.570	4.9	93	0.00
77	T	Bromobenzene	50.000	49.881	0.2	94	0.00
78	T	n-propylbenzene	50.000	51.719	-3.4	96	0.00
79	T	2-Chlorotoluene	50.000	50.734	-1.5	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.396	-4.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.095	9.8	84	0.00
82	T	4-Chlorotoluene	50.000	51.601	-3.2	97	0.00
83	T	tert-Butylbenzene	50.000	50.900	-1.8	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.200	-4.4	96	0.00
85	T	sec-Butylbenzene	50.000	51.930	-3.9	96	0.00
86	T	p-Isopropyltoluene	50.000	51.747	-3.5	95	0.00
87	T	1,3-Dichlorobenzene	50.000	49.998	0.0	96	0.00
88	T	1,4-Dichlorobenzene	50.000	48.910	2.2	95	0.00
89	T	n-Butylbenzene	50.000	51.230	-2.5	95	0.00
90	T	Hexachloroethane	50.000	49.417	1.2	97	0.00
91	T	1,2-Dichlorobenzene	50.000	49.478	1.0	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.193	13.6	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.955	4.1	91	0.00
94	T	Hexachlorobutadiene	50.000	48.184	3.6	97	0.00
95	T	Naphthalene	50.000	46.487	7.0	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.564	4.9	91	0.00

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

QC SAMPLE DATA

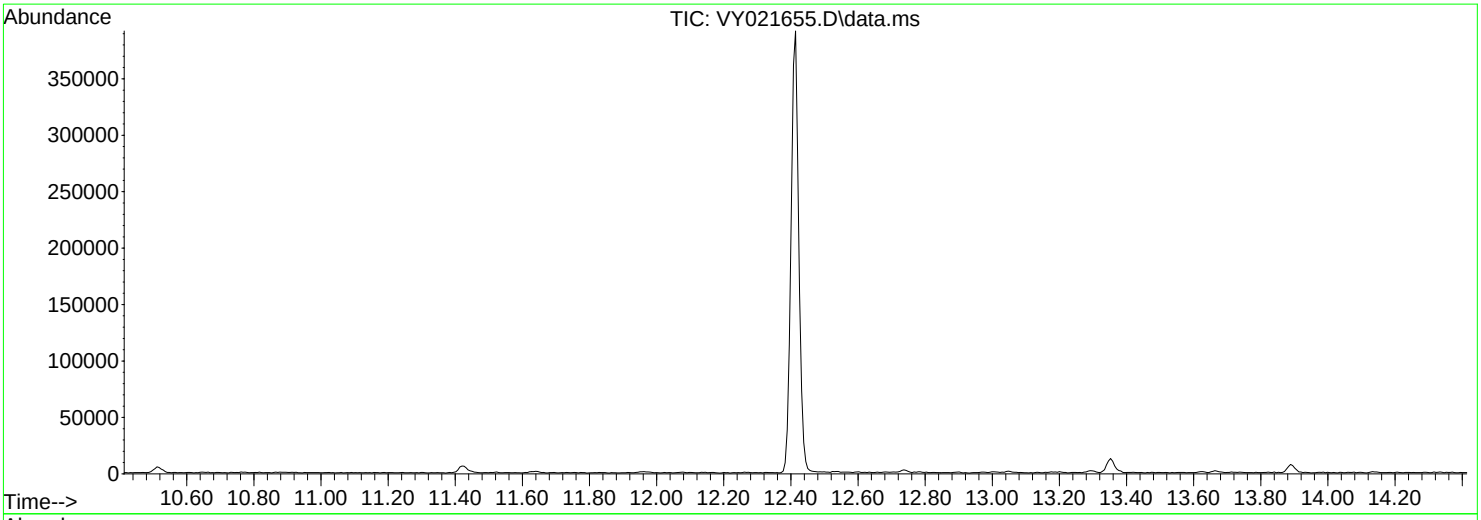
Sample Results: **VY021655.D**

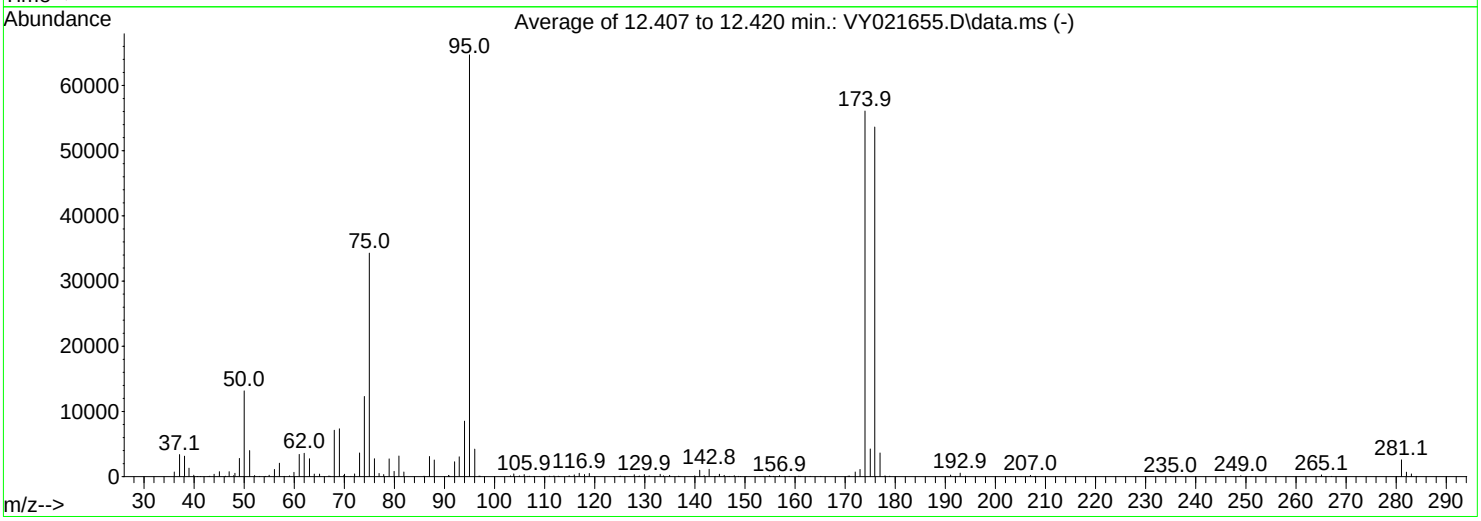
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021655.D
Acq On : 27 Mar 2025 09:23
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	13171	PASS
75	95	30	60	53.0	34296	PASS
95	95	100	100	100.0	64701	PASS
96	95	5	9	6.5	4216	PASS
173	174	0.00	2	2.0	1112	PASS
174	95	50	100	86.7	56080	PASS
175	174	5	9	7.6	4256	PASS
176	174	95	101	95.6	53624	PASS
177	176	5	9	6.8	3635	PASS

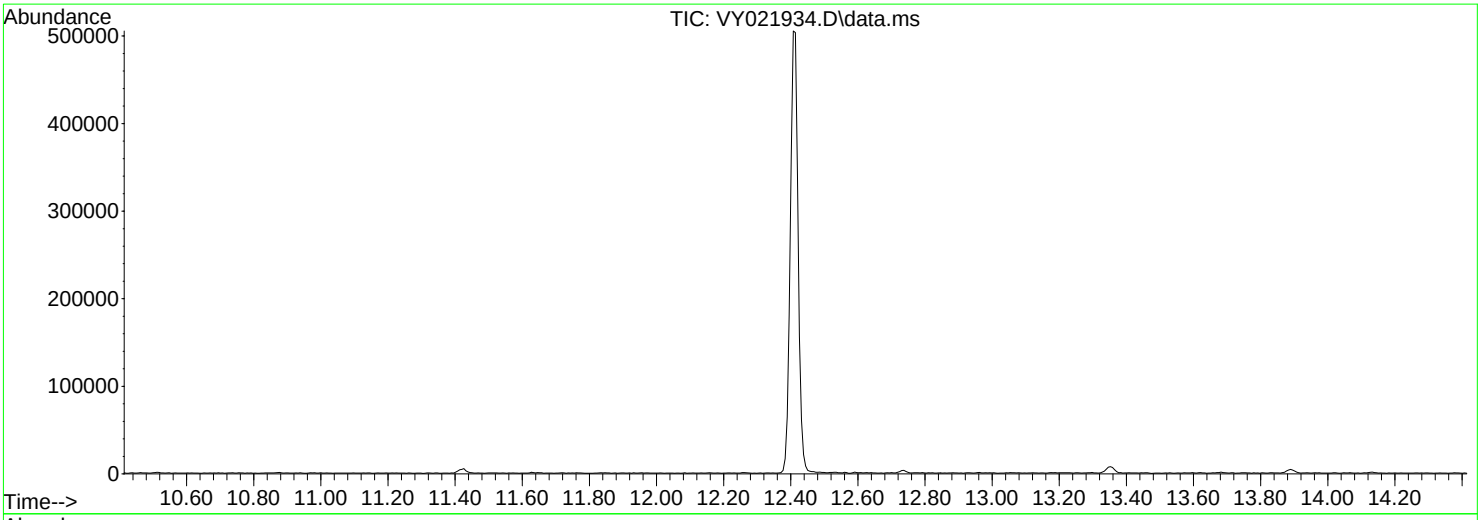
Sample Results: **VY021934.D**

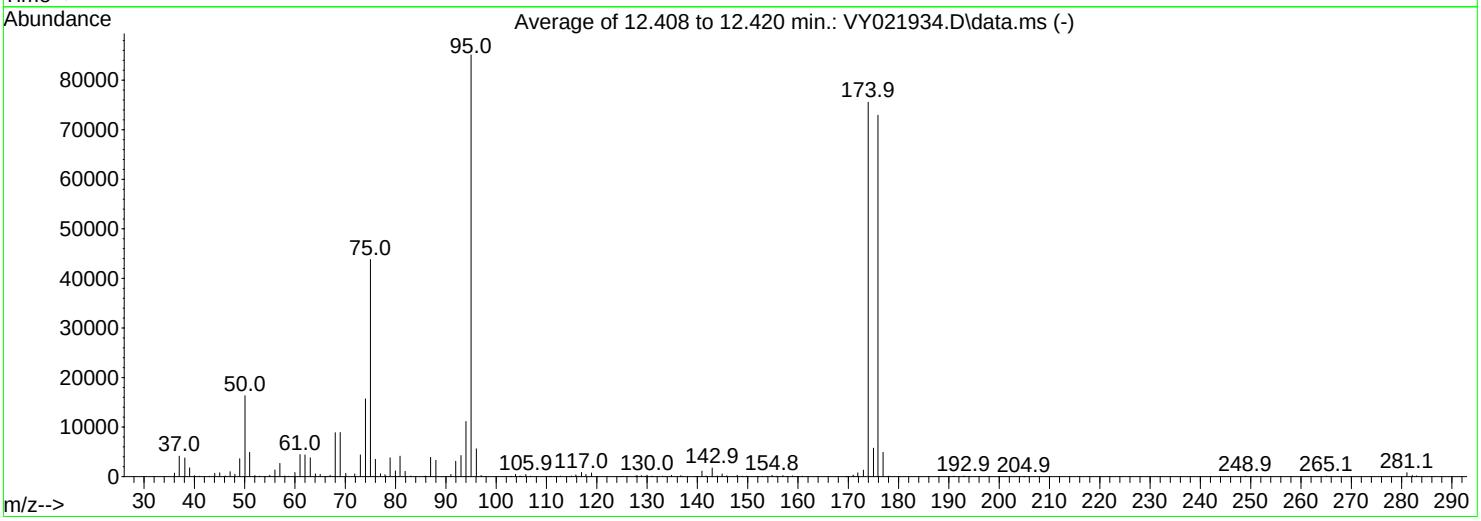
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021934.D
Acq On : 21 Apr 2025 08:38
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	16342	PASS
75	95	30	60	51.5	43824	PASS
95	95	100	100	100.0	85117	PASS
96	95	5	9	6.6	5614	PASS
173	174	0.00	2	1.8	1333	PASS
174	95	50	100	88.8	75557	PASS
175	174	5	9	7.6	5754	PASS
176	174	95	101	96.5	72941	PASS
177	176	5	9	6.7	4921	PASS

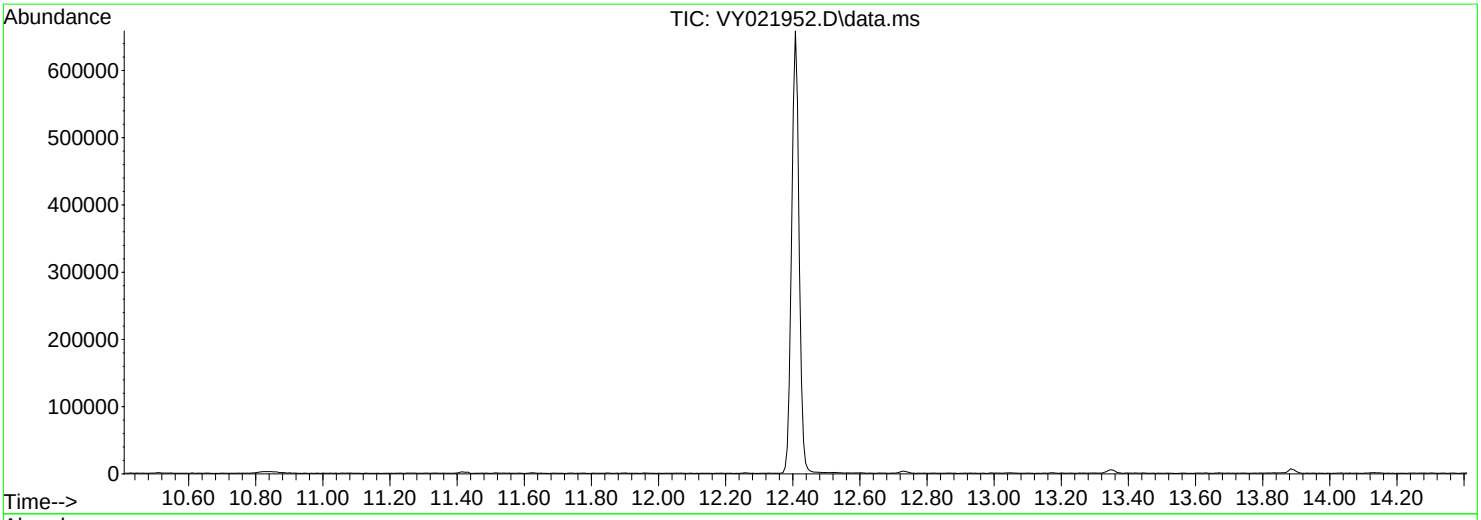
Sample Results: **VY021952.D**

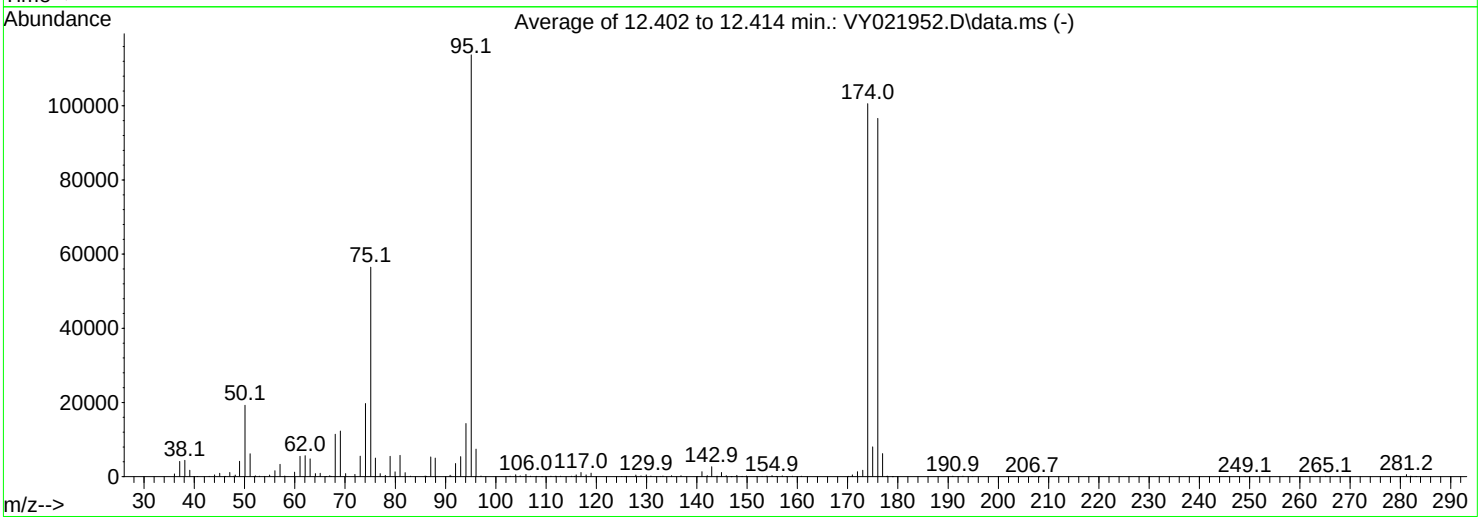
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021952.D
Acq On : 22 Apr 2025 11:33
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	19237	PASS
75	95	30	60	49.7	56504	PASS
95	95	100	100	100.0	113749	PASS
96	95	5	9	6.5	7410	PASS
173	174	0.00	2	1.7	1741	PASS
174	95	50	100	88.4	100587	PASS
175	174	5	9	8.0	8046	PASS
176	174	95	101	96.1	96621	PASS
177	176	5	9	6.4	6205	PASS

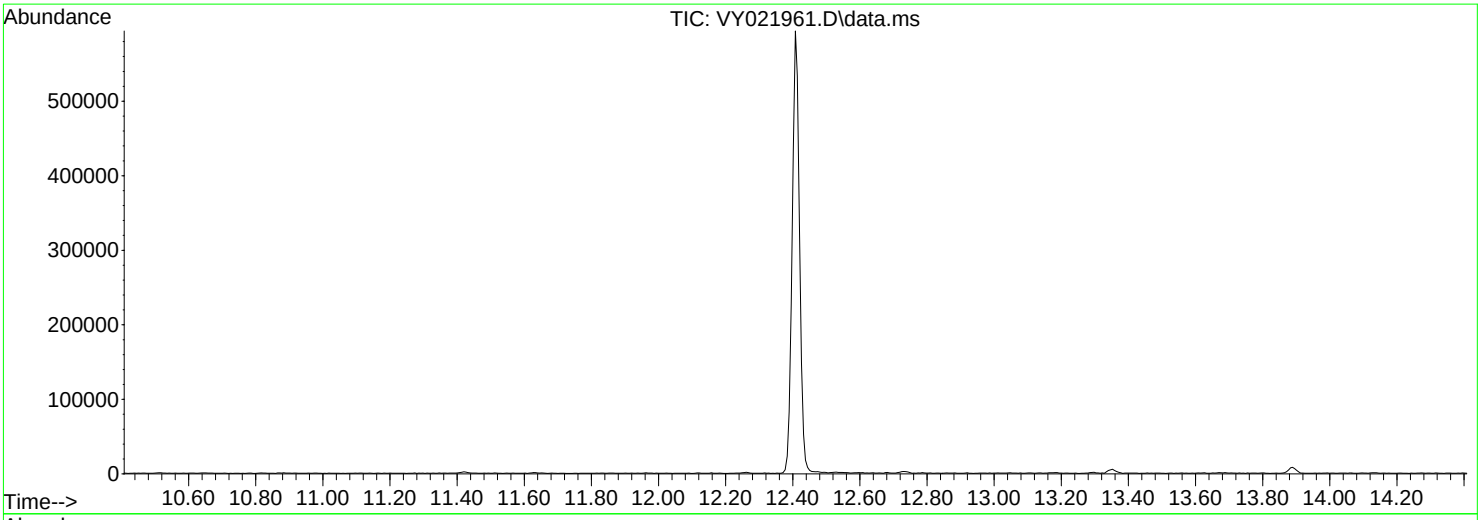
Sample Results: **VY021961.D**

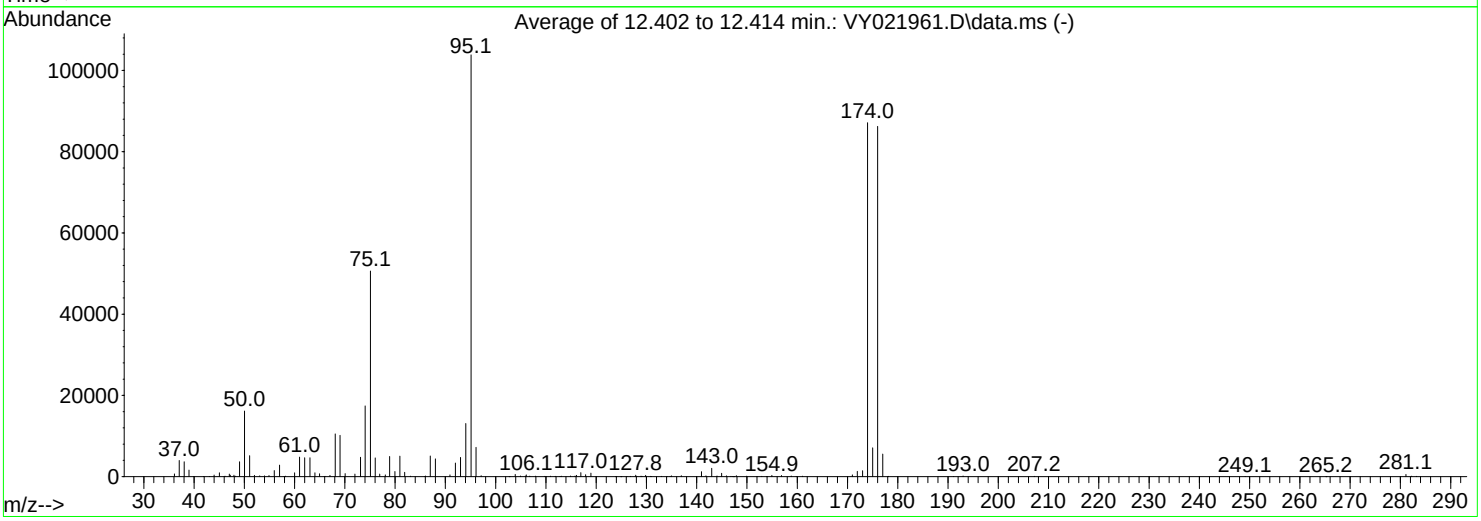
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021961.D
Acq On : 23 Apr 2025 09:27
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.6	16153	PASS
75	95	30	60	48.7	50608	PASS
95	95	100	100	100.0	103837	PASS
96	95	5	9	6.9	7204	PASS
173	174	0.00	2	1.7	1445	PASS
174	95	50	100	83.9	87128	PASS
175	174	5	9	8.1	7073	PASS
176	174	95	101	99.0	86221	PASS
177	176	5	9	6.4	5550	PASS

Raw Data: **VY021936.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0421SBL01	SDG No.:	Q1851
Lab Sample ID:	VY0421SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021936.D	1		04/21/25 09:42	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Raw Data: **VY021936.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0421SBL01	SDG No.:	Q1851
Lab Sample ID:	VY0421SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021936.D	1		04/21/25 09:42	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.1		70 (38) - 130 (136)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	238000	7.713			
540-36-3	1,4-Difluorobenzene	432000	8.615			
3114-55-4	Chlorobenzene-d5	370000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.352			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Quant Time: Apr 22 02:43:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	238181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	431702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	370399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	140852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	130238	50.468	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.940%			
35) Dibromofluoromethane	7.634	113	145598	51.992	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.980%			
50) Toluene-d8	10.109	98	509819	47.855	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.700%			
62) 4-Bromofluorobenzene	12.407	95	144494	40.098	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.200%			
Target Compounds						Qvalue

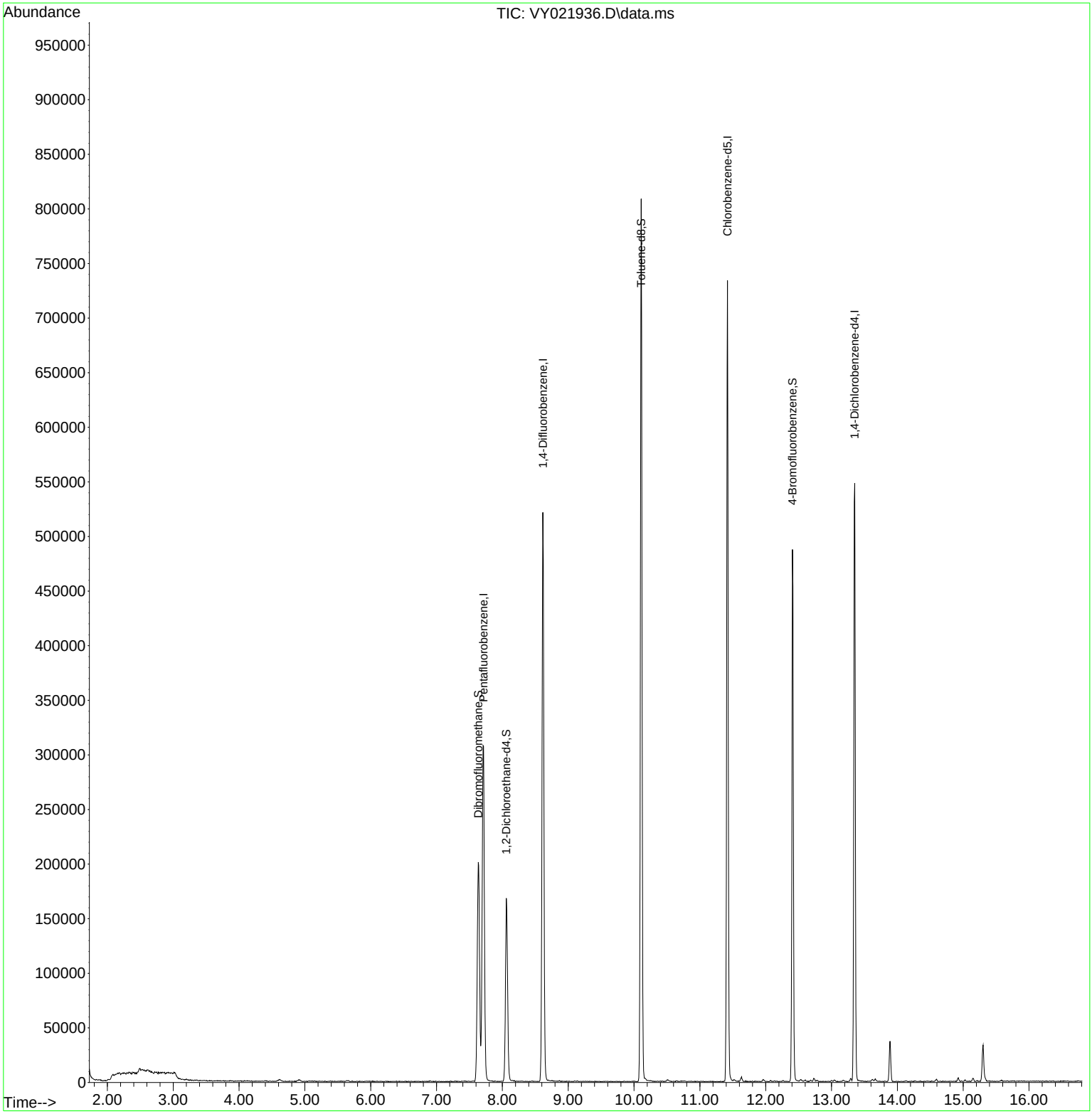
(#) = qualifier out of range (m) = manual integration (+) = signals summed

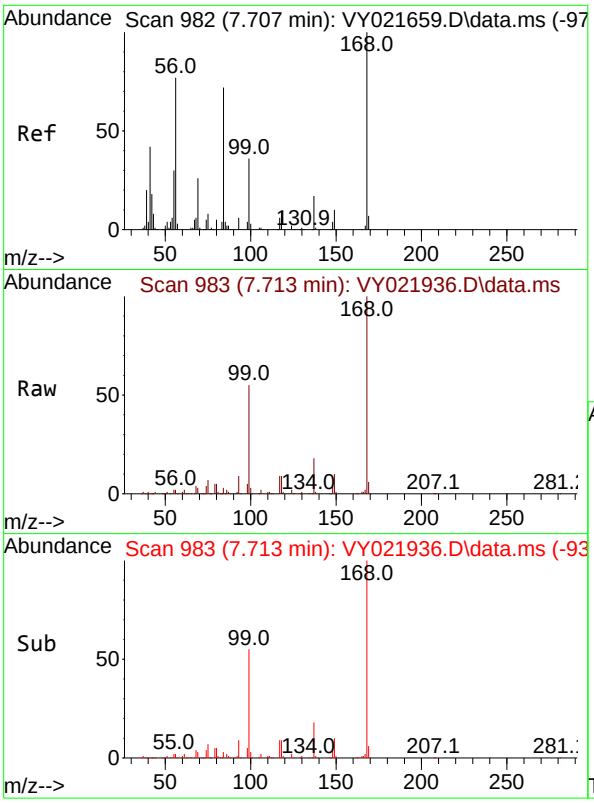
Sample Results: **VY021936.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Quant Time: Apr 22 02:43:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



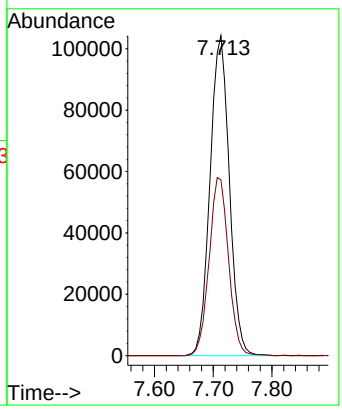


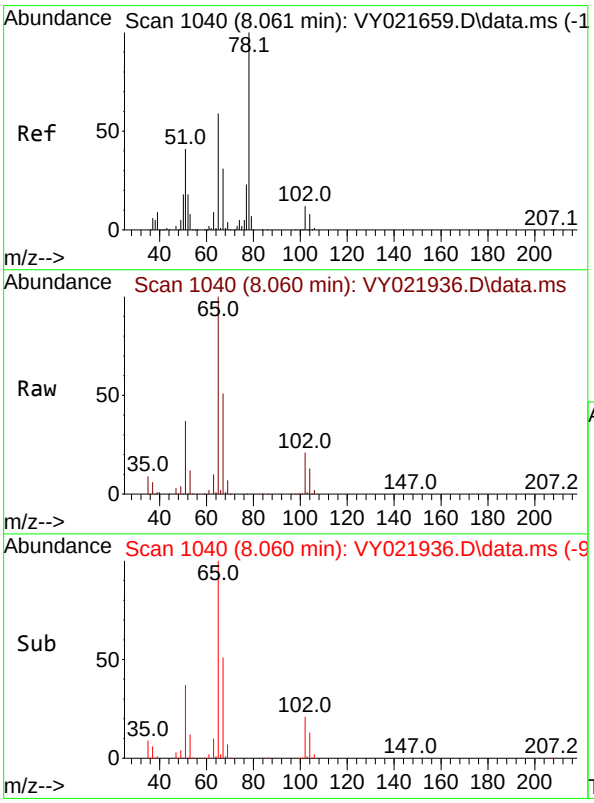
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Tgt Ion:168 Resp: 238181

Ion	Ratio	Lower	Upper
168	100		
99	54.9	46.7	70.1

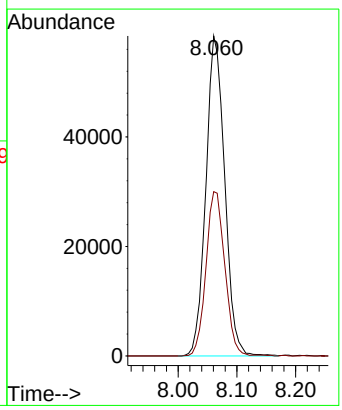


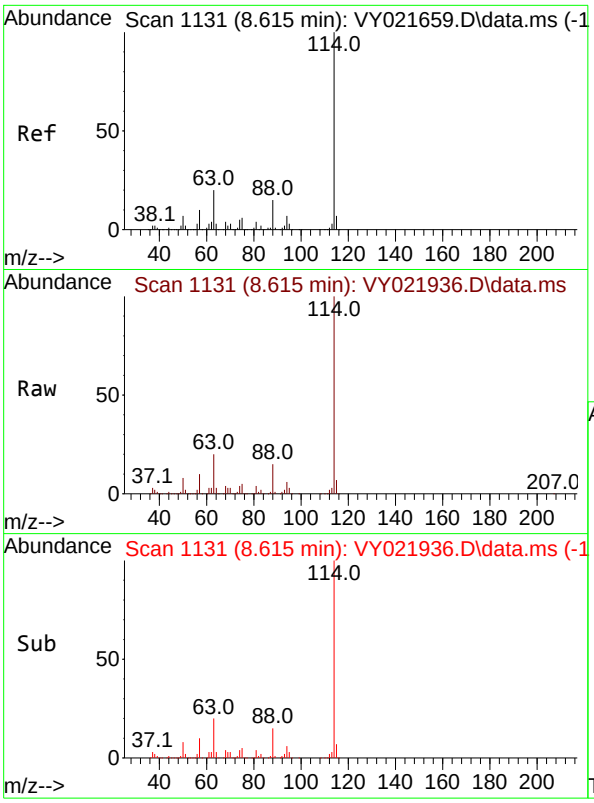


#33
1,2-Dichloroethane-d4
Concen: 50.468 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

Tgt Ion: 65 Resp: 130238

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.6



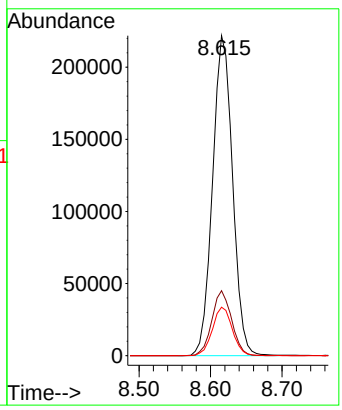


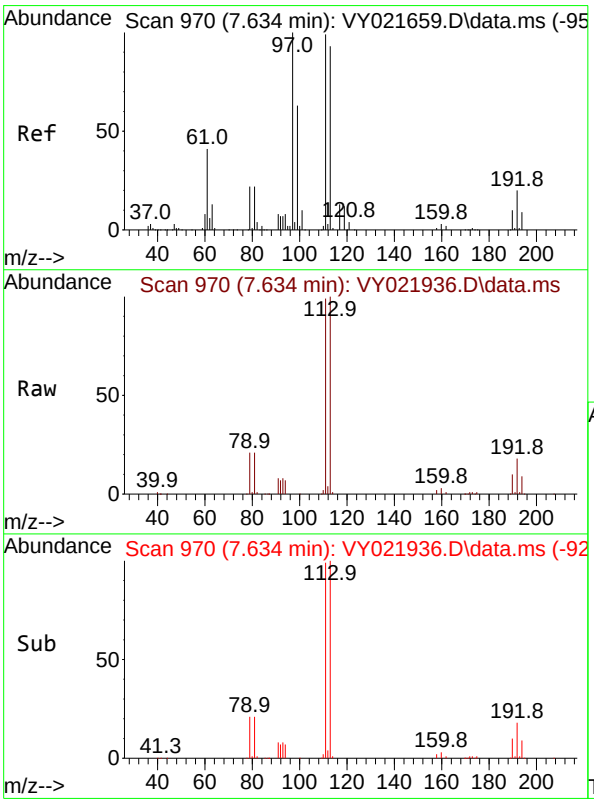
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Tgt Ion:114 Resp: 431702

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	15.2	0.0	29.8

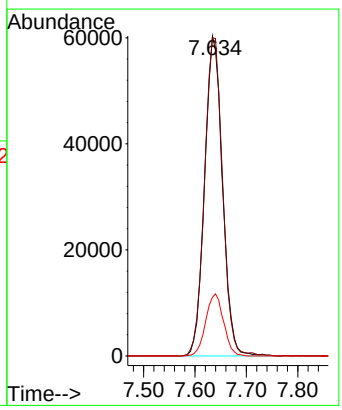


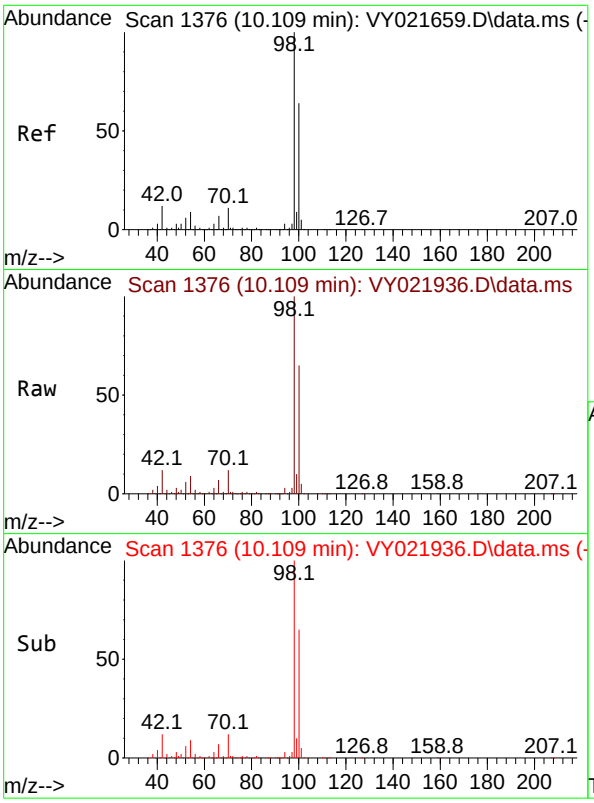


#35
Dibromofluoromethane
Concen: 51.992 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

Tgt Ion:113 Resp: 145598

Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	123.8
192	19.4	16.2	24.4



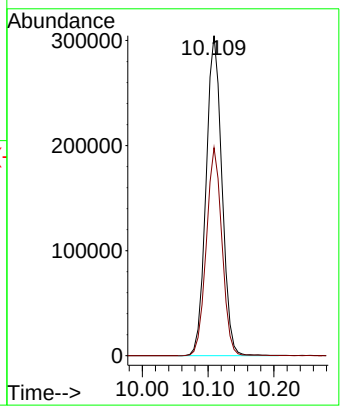


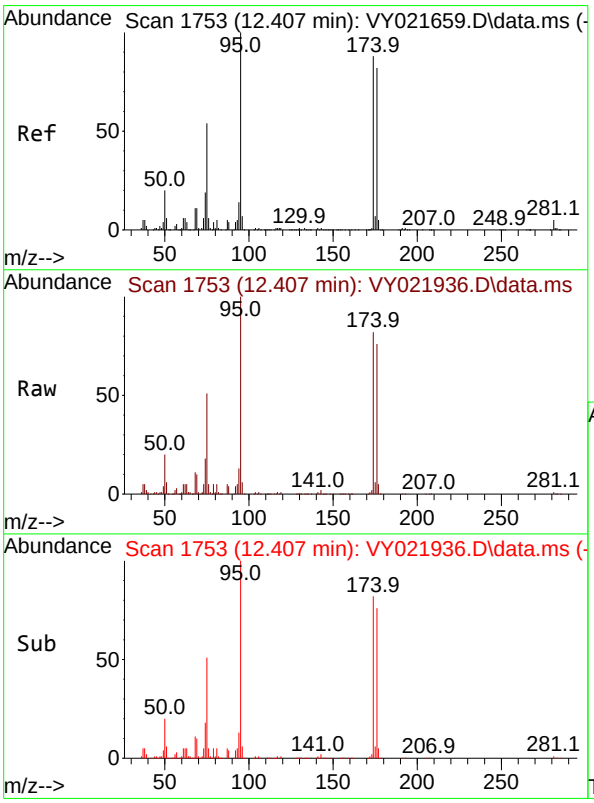
#50
Toluene-d8
Concen: 47.855 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Tgt Ion: 98 Resp: 509819

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

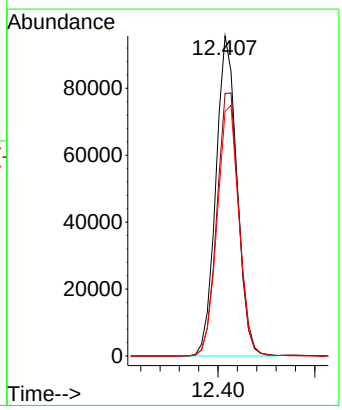


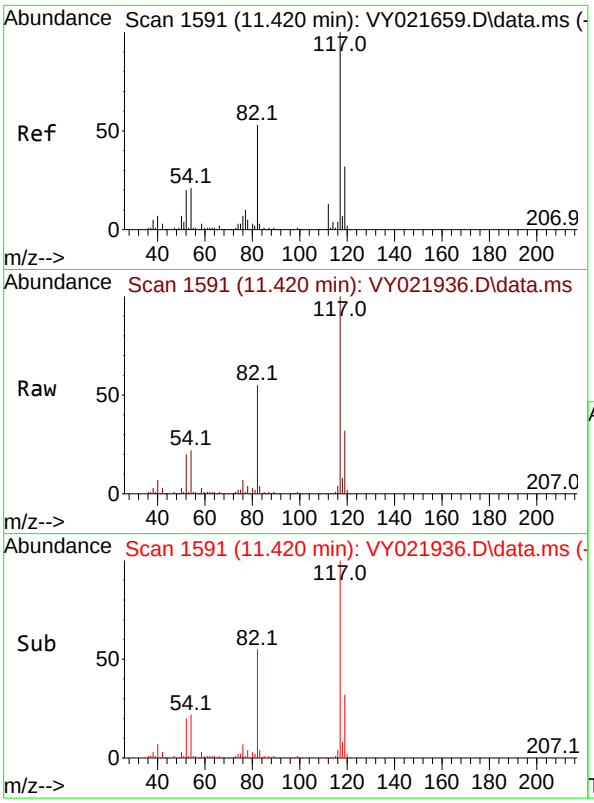


#62
4-Bromofluorobenzene
Concen: 40.098 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

Tgt Ion: 95 Resp: 144494

Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	170.8
176	81.0	0.0	162.0



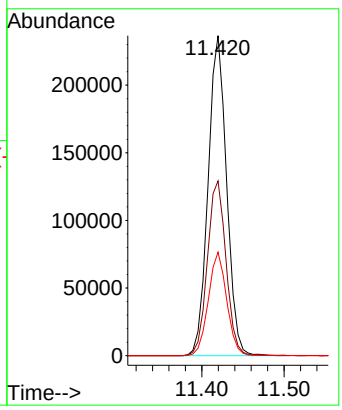


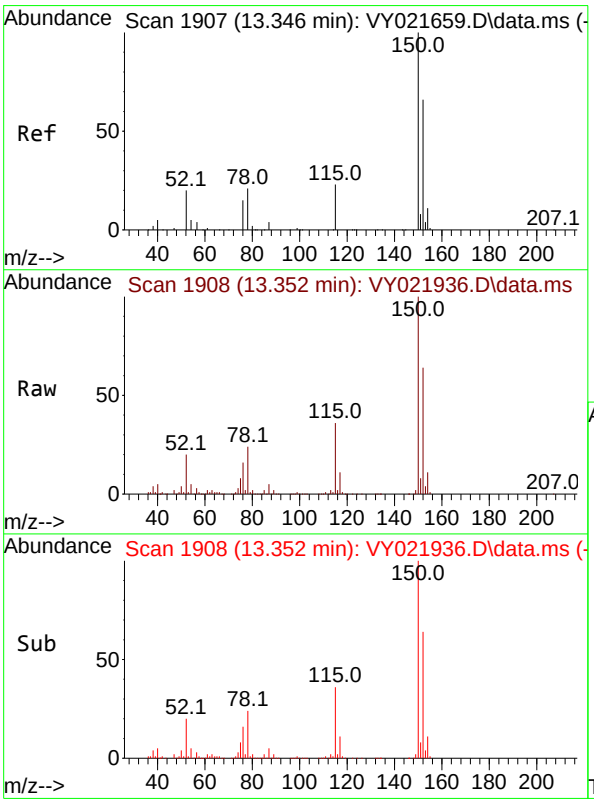
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Tgt Ion:117 Resp: 370399

Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	32.4	25.7	38.5

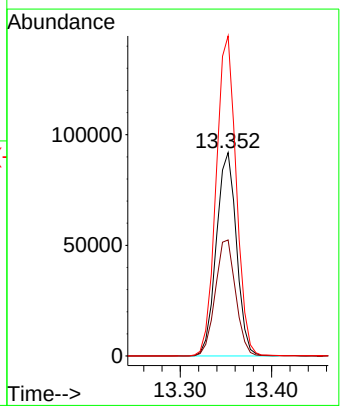




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

Tgt Ion:152 Resp: 140852

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	157.0	0.0	348.4



Sample Results: **VY021936.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021936.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	961	970	976	rBV	200819	487010	35.79%	7.115%
2	7.707	976	982	995	rVB	306844	717242	52.70%	10.478%
3	8.060	1031	1040	1053	rBV	167647	367322	26.99%	5.366%
4	8.615	1122	1131	1143	rBV	521106	1017999	74.81%	14.872%
5	10.109	1366	1376	1384	rBV	808561	1360870	100.00%	19.881%
6	11.420	1583	1591	1603	rBV	733189	1150252	84.52%	16.804%
7	12.407	1744	1753	1765	rBV	487309	762822	56.05%	11.144%
8	13.352	1901	1908	1916	rBV	547096	857732	63.03%	12.530%
9	13.889	1988	1996	2002	rBV	37020	59937	4.40%	0.876%
10	15.303	2221	2228	2239	rBV	33291	63990	4.70%	0.935%

Sum of corrected areas: 6845176

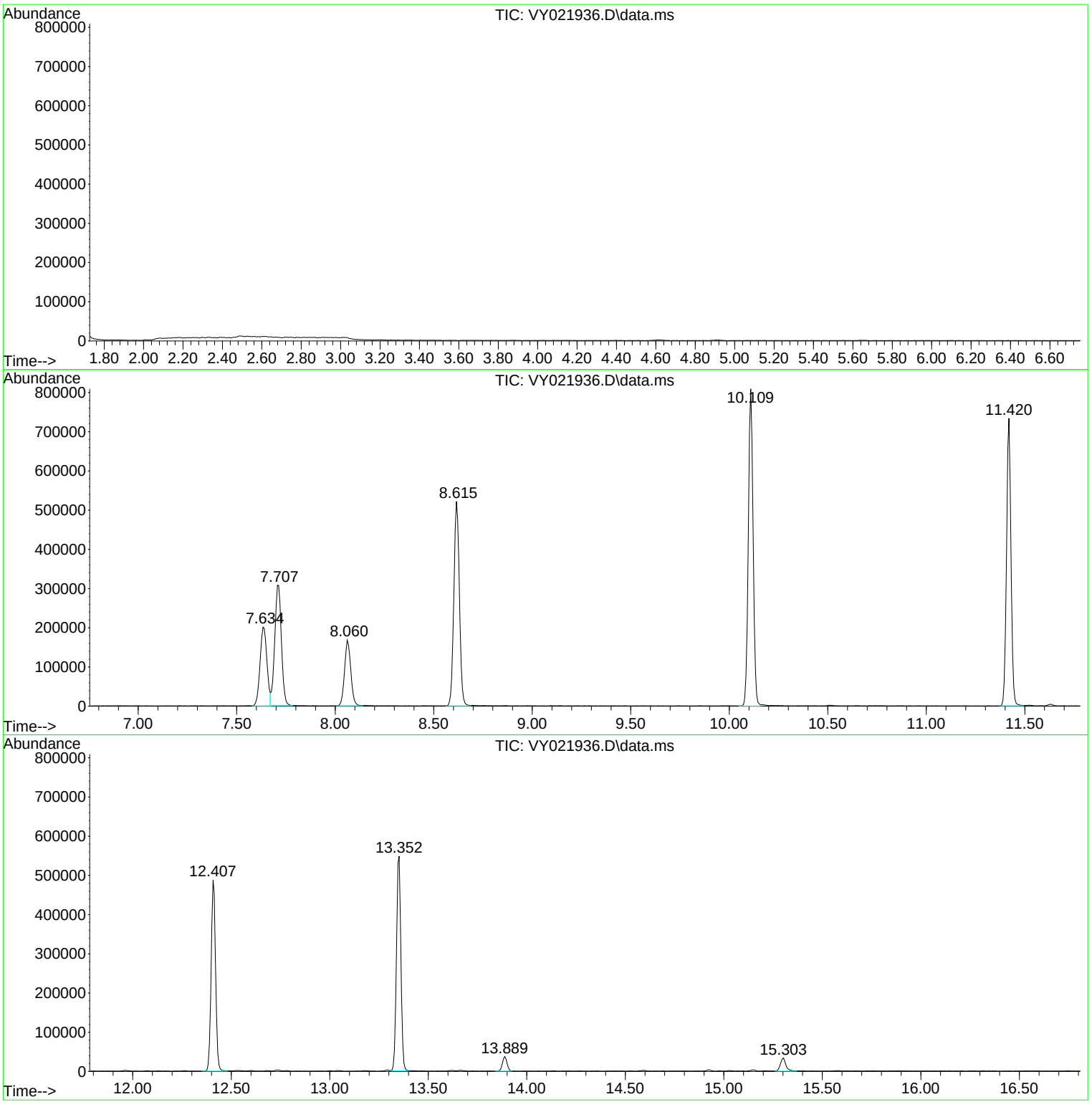
Sample Results: **VY021936.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY021936.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY021963.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0423SBL01	SDG No.:	Q1851
Lab Sample ID:	VY0423SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021963.D	1		04/23/25 10:31	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Raw Data: **VY021963.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0423SBL01	SDG No.:	Q1851
Lab Sample ID:	VY0423SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021963.D	1		04/23/25 10:31	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (63) - 130 (155)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (74) - 130 (123)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.6		70 (38) - 130 (136)	77%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	320000	7.713			
540-36-3	1,4-Difluorobenzene	599000	8.616			
3114-55-4	Chlorobenzene-d5	525000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	194000	13.347			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Time: Apr 24 03:44:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

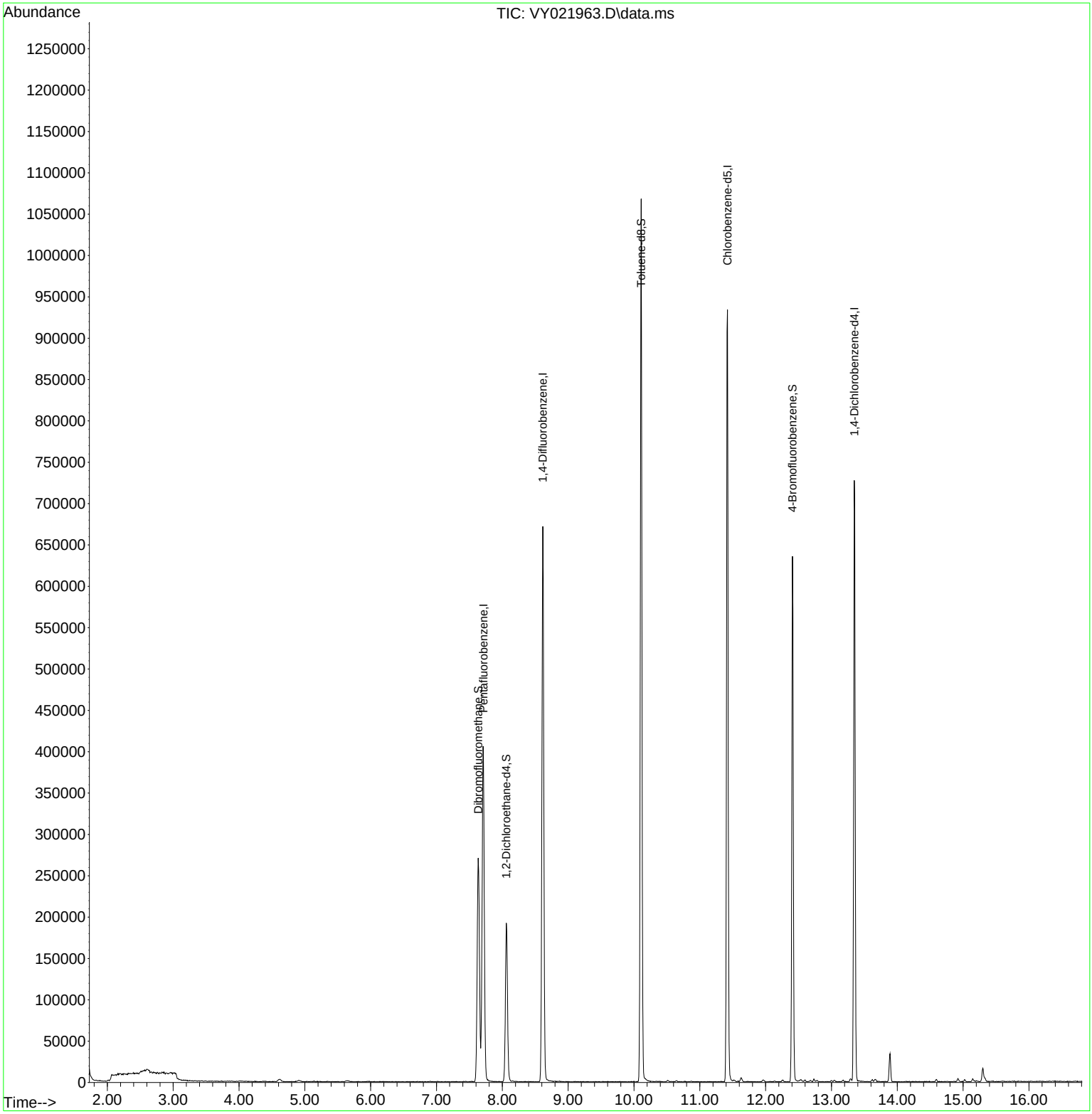
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	319981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	599033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	525205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	194434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151146	51.139	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.280%			
35) Dibromofluoromethane	7.634	113	197999	50.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.060%			
50) Toluene-d8	10.109	98	710393	47.614	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.220%			
62) 4-Bromofluorobenzene	12.408	95	193641	38.554	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.100%			
Target Compounds						Qvalue

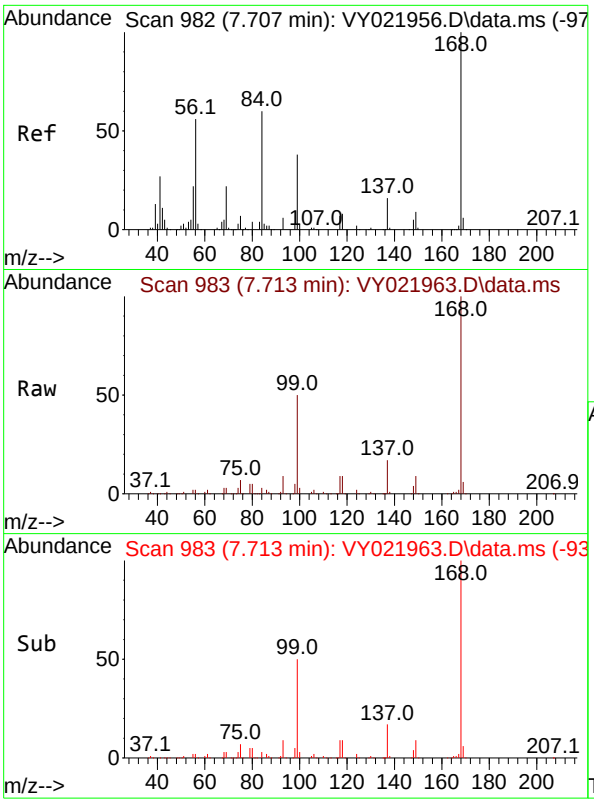
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Time: Apr 24 03:44:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



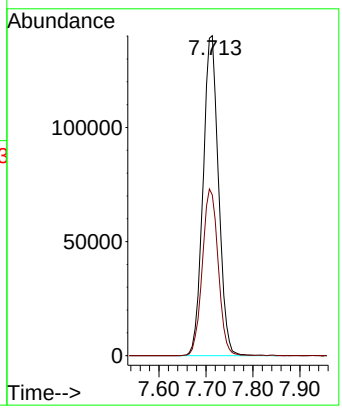


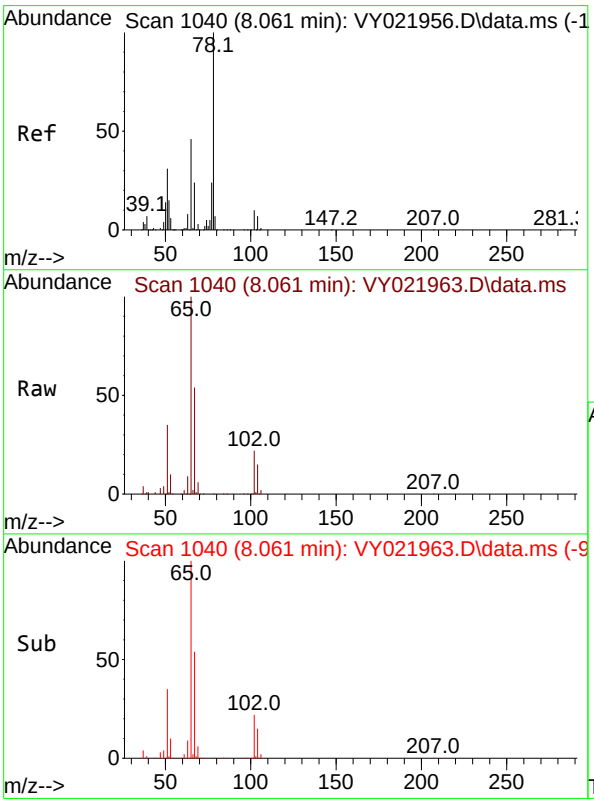
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Tgt Ion:168 Resp: 319981

Ion	Ratio	Lower	Upper
168	100		
99	50.2	43.1	64.7

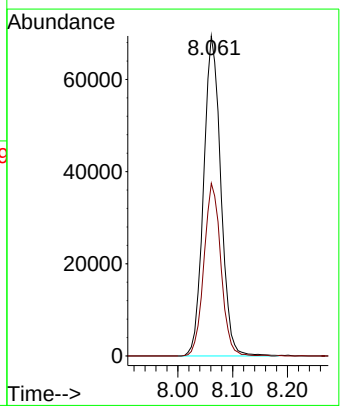


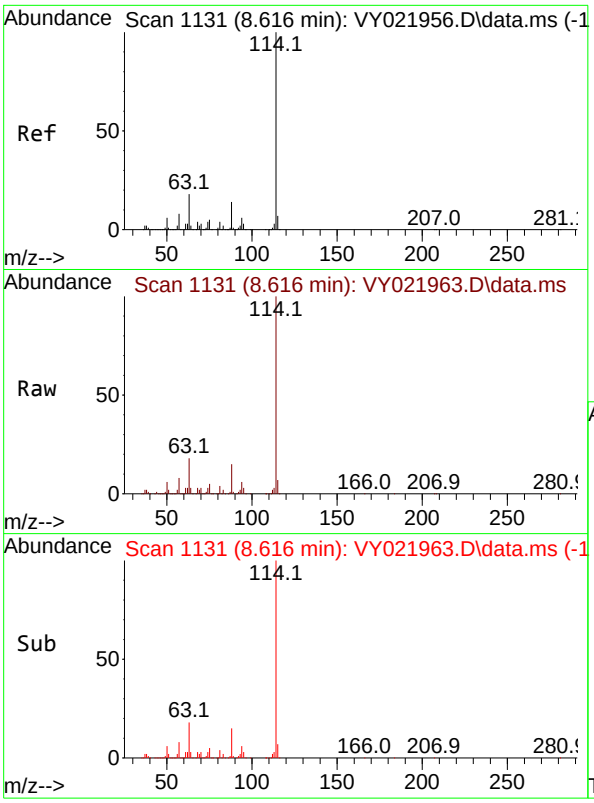


#33
1,2-Dichloroethane-d4
Concen: 51.139 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Tgt Ion: 65 Resp: 151146

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.8



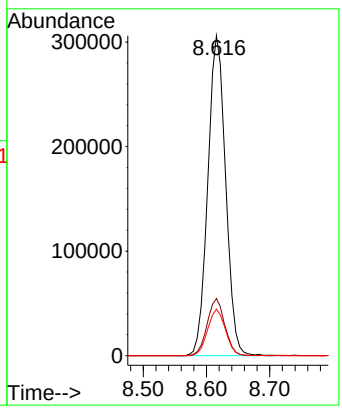


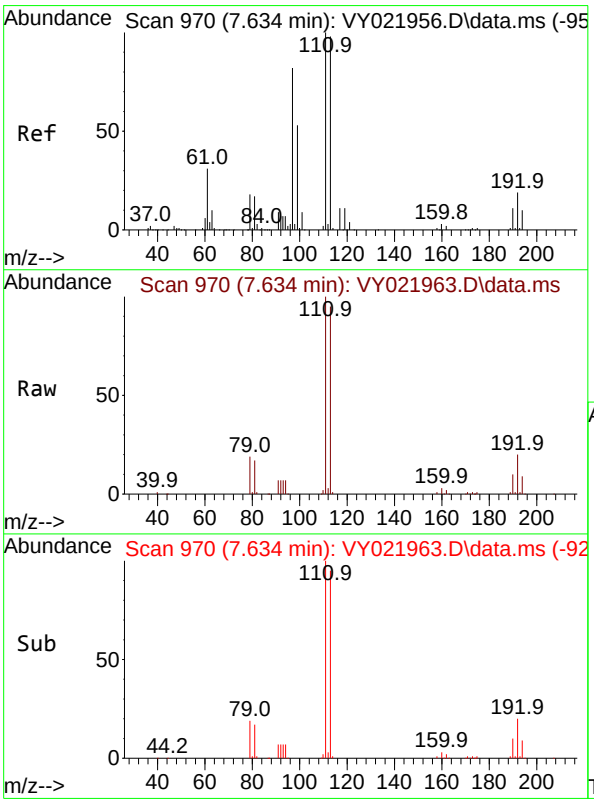
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Tgt Ion:114 Resp: 599033

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.4
88	14.6	0.0	28.2

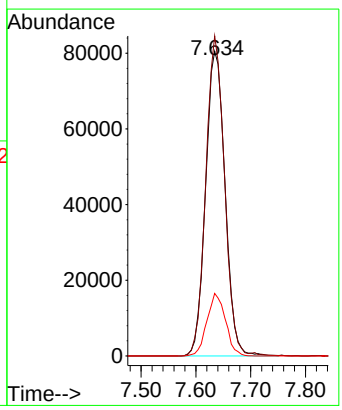


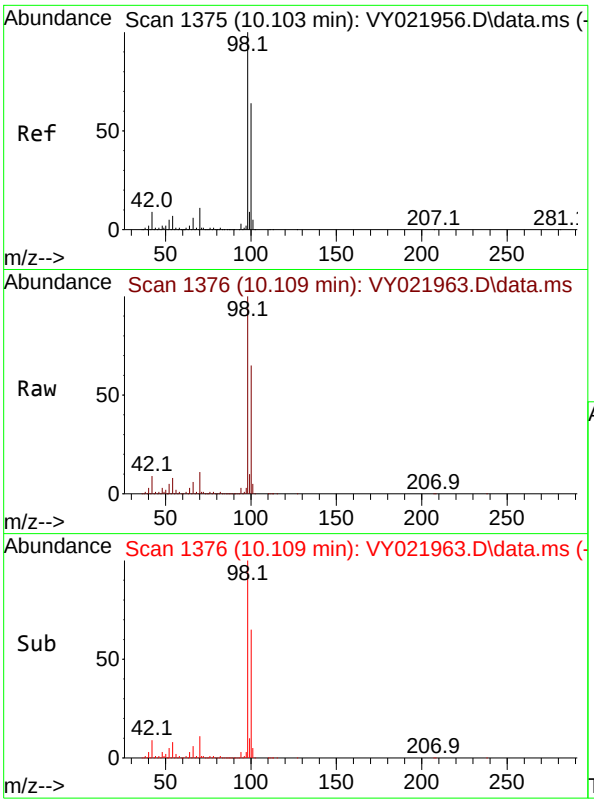


#35
Dibromofluoromethane
Concen: 50.031 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Tgt Ion:113 Resp: 197999

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	19.6	15.6	23.4



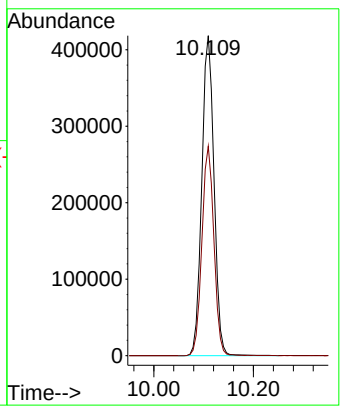


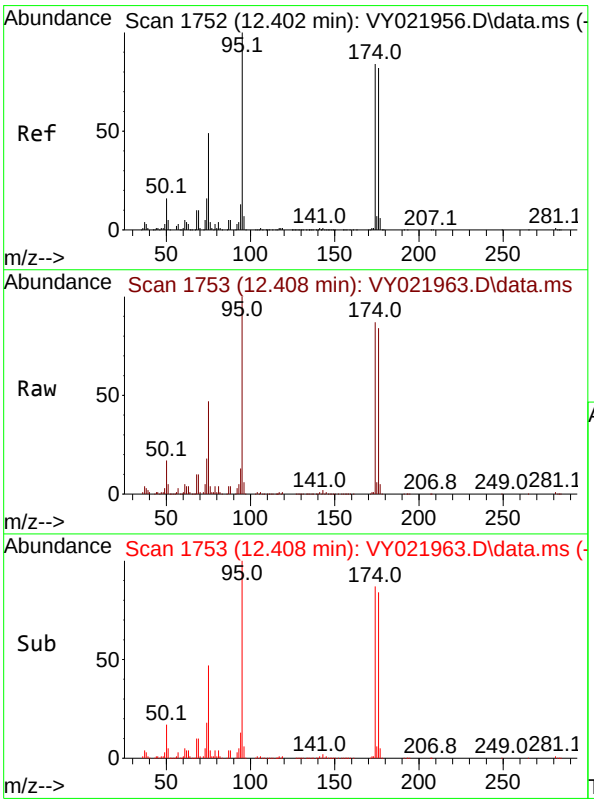
#50
Toluene-d8
Concen: 47.614 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Tgt Ion: 98 Resp: 710393

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

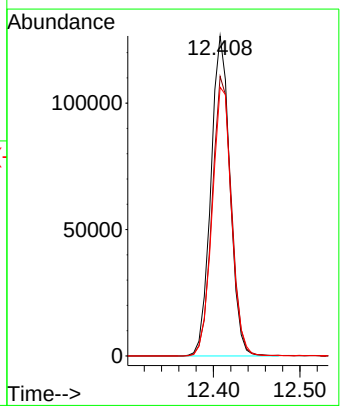


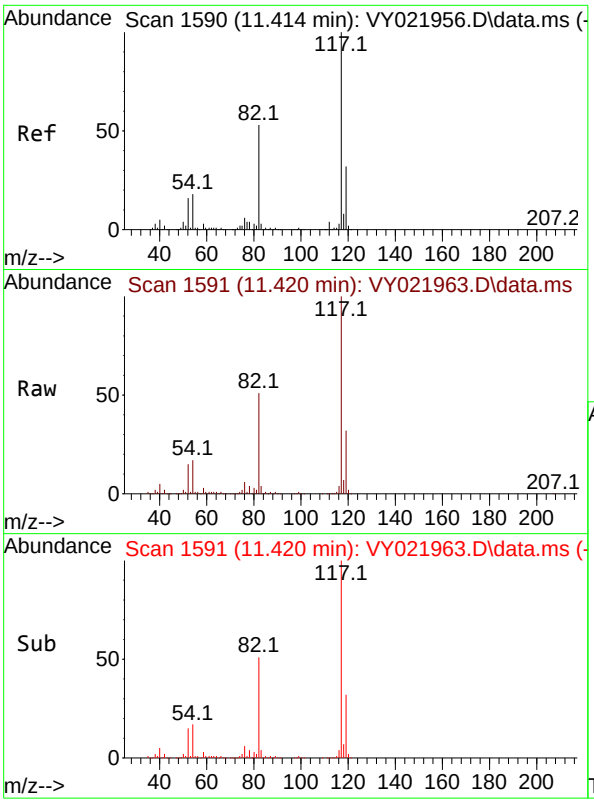


#62
4-Bromofluorobenzene
Concen: 38.554 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Tgt Ion: 95 Resp: 193641

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	179.0
176	85.6	0.0	171.8



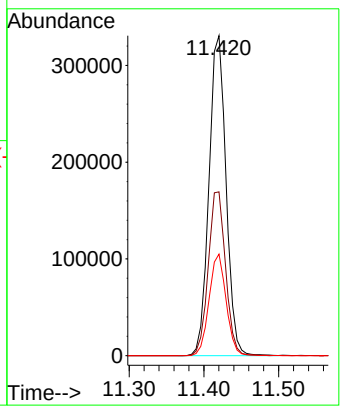


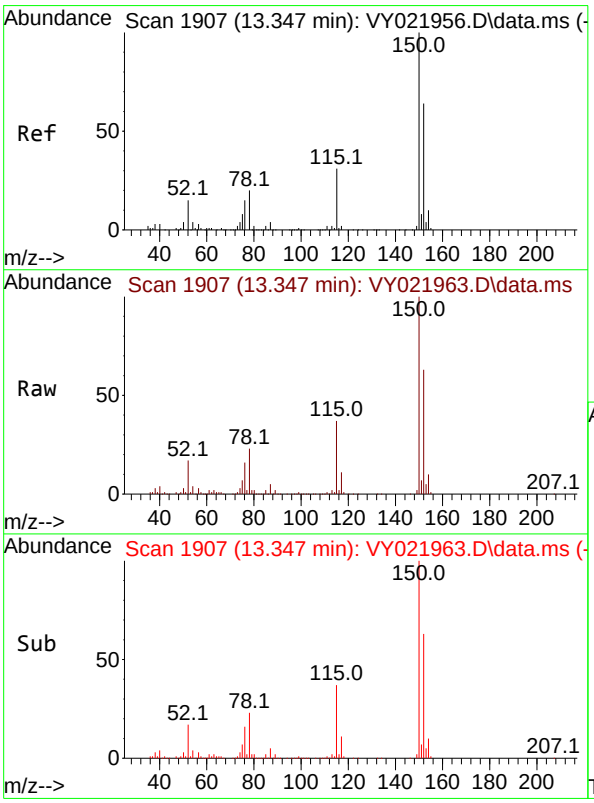
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Tgt Ion:117 Resp: 525205

Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.1	63.1
119	31.7	25.7	38.5

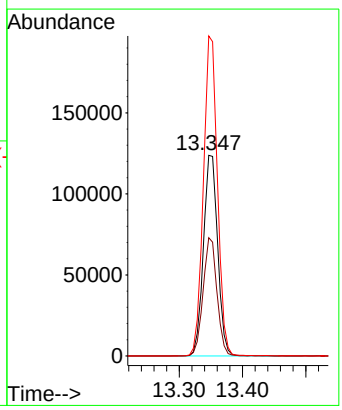




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Tgt Ion:152 Resp: 194434

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.0	84.0
150	157.0	0.0	345.6



Sample Results: **VY021963.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY021963.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	960	970	976	rBV	270502	651157	36.00%	7.347%
2	7.707	976	982	997	rVB	405115	933121	51.59%	10.528%
3	8.061	1031	1040	1053	rBV	191732	424788	23.49%	4.793%
4	8.616	1121	1131	1145	rBV	671582	1321693	73.07%	14.913%
5	10.109	1368	1376	1399	rVB	1067485	1808687	100.00%	20.407%
6	11.420	1583	1591	1604	rBV	933618	1512694	83.63%	17.068%
7	12.408	1746	1753	1766	rBV	635452	996869	55.12%	11.248%
8	13.347	1901	1907	1917	rVB	726351	1123830	62.14%	12.680%
9	13.889	1989	1996	2001	rBV3	34078	55599	3.07%	0.627%
10	15.297	2220	2227	2238	rVB	16175	34510	1.91%	0.389%

Sum of corrected areas: 8862948

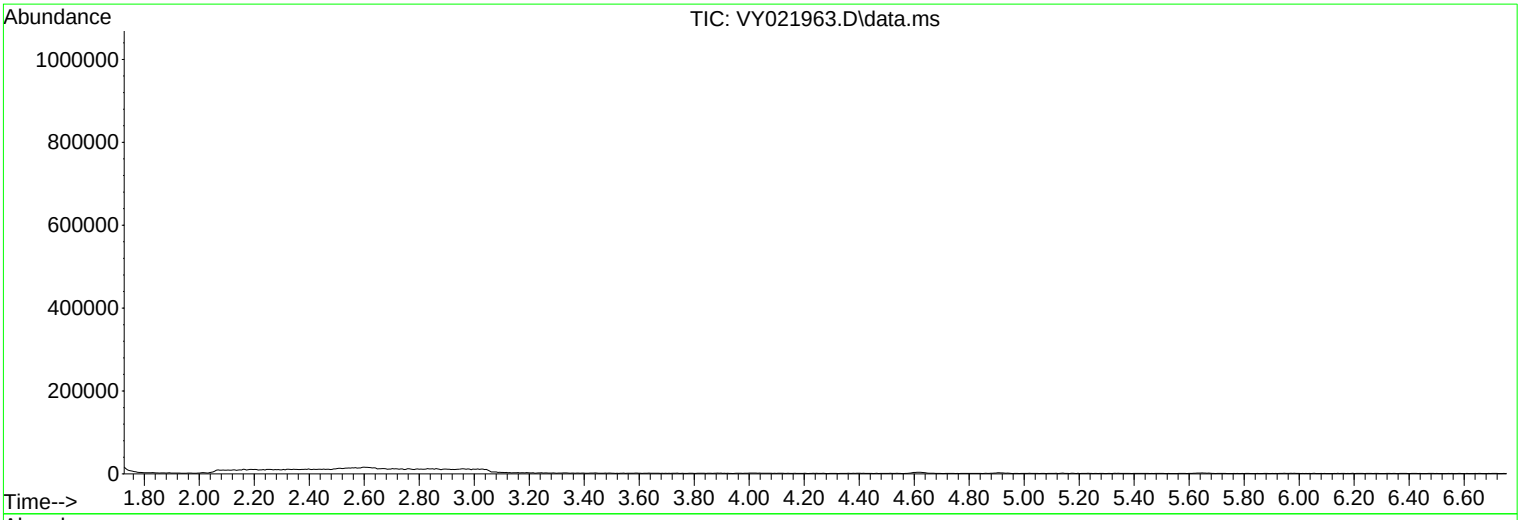
Sample Results: **VY021963.D**

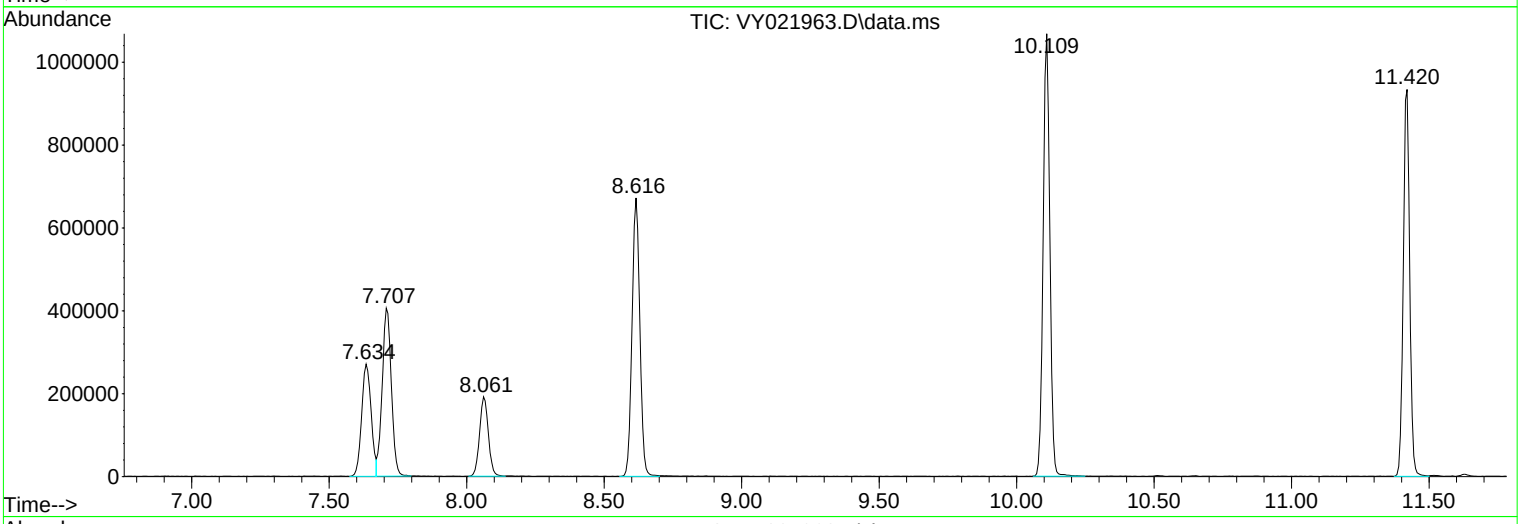
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

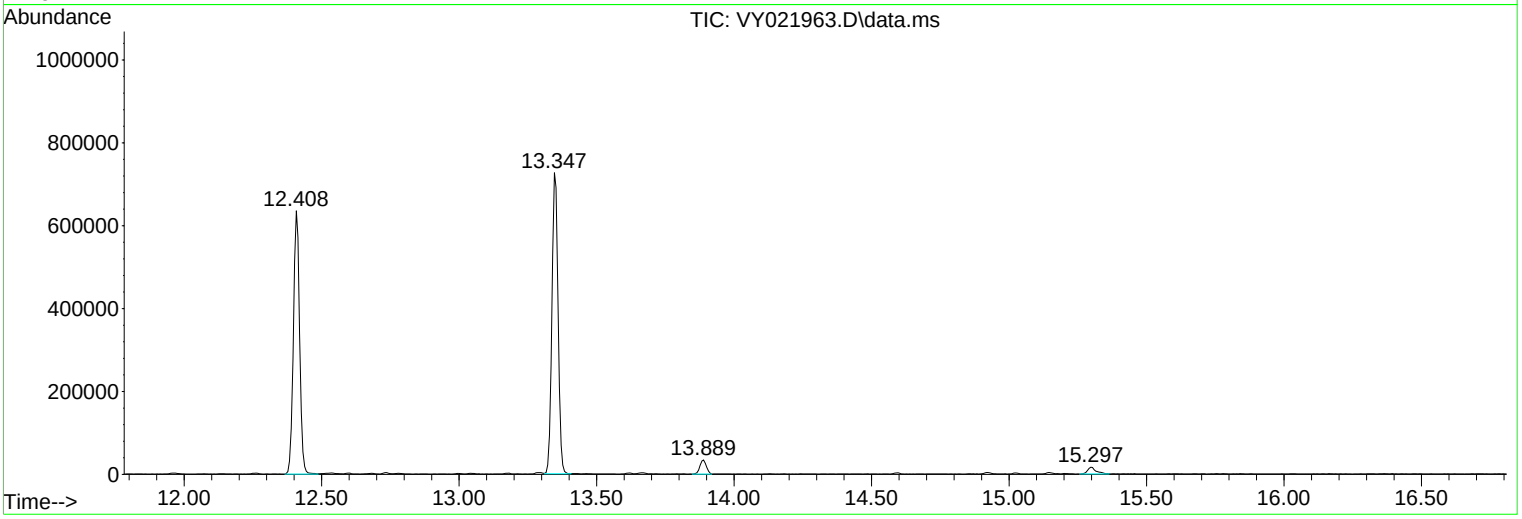
Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY021963.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY021937.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0421SBS01	SDG No.:	Q1851
Lab Sample ID:	VY0421SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021937.D	1		04/21/25 10:18	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	20.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.2		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	85.4		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	18.9		1.00	5.00	ug/Kg
67-64-1	Acetone	97.7		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.1		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	19.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.80	5.00	ug/Kg
78-93-3	2-Butanone	94.9		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.2		0.75	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.4		0.93	5.00	ug/Kg
71-43-2	Benzene	20.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.1		3.60	25.0	ug/Kg
108-88-3	Toluene	21.0		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.9		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	95.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.3		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.0		1.10	5.00	ug/Kg

Raw Data: **VY021937.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0421SBS01	SDG No.:	Q1851
Lab Sample ID:	VY0421SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021937.D	1		04/21/25 10:18	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.4		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.6		0.82	5.00	ug/Kg
100-42-5	Styrene	20.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.6		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.0		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		70 (63) - 130 (155)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (38) - 130 (136)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	7.707			
540-36-3	1,4-Difluorobenzene	286000	8.616			
3114-55-4	Chlorobenzene-d5	261000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.346			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021937.D
Acq On : 21 Apr 2025 10:18
Operator : SY/MD
Sample : VY0421SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBS01

Manual Integrations APPROVED

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

Quant Time: Apr 22 02:43:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	181890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	285604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	261318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97707	49.579	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.160%			
35) Dibromofluoromethane	7.634	113	94026	50.752	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.500%			
50) Toluene-d8	10.109	98	359378	50.989	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.408	95	121385	50.917	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	32089	17.021	ug/l	100
3) Chloromethane	2.068	50	53856	20.316	ug/l	99
4) Vinyl Chloride	2.202	62	57232	19.090	ug/l	97
5) Bromomethane	2.592	94	42573	20.821	ug/l	94
6) Chloroethane	2.732	64	39704	20.239	ug/l	96
7) Trichlorofluoromethane	3.056	101	73716	19.195	ug/l	94
8) Diethyl Ether	3.458	74	20207	19.348	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	40604	20.046	ug/l	100
10) Methyl Iodide	4.001	142	41355	18.611	ug/l	99
11) Tert butyl alcohol	4.872	59	10927	85.365	ug/l	98
12) 1,1-Dichloroethene	3.793	96	36129	18.937	ug/l	94
13) Acrolein	3.659	56	7602	32.525	ug/l	99
14) Allyl chloride	4.378	41	58977	19.388	ug/l	99
15) Acrylonitrile	5.055	53	42096	96.535	ug/l	98
16) Acetone	3.872	43	39386	97.652	ug/l	97
17) Carbon Disulfide	4.104	76	112240	17.861	ug/l	100
18) Methyl Acetate	4.391	43	23033	23.042	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	90661	19.087	ug/l	98
20) Methylene Chloride	4.616	84	43795	19.859	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	41444	19.730	ug/l	95
22) Diisopropyl ether	6.018	45	128846	20.192	ug/l	97
23) Vinyl Acetate	5.964	43	342807	91.832	ug/l	98
24) 1,1-Dichloroethane	5.915	63	79102	20.731	ug/l	97
25) 2-Butanone	6.896	43	54665	94.891	ug/l	99
26) 2,2-Dichloropropane	6.884	77	68463	20.171	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	47806	20.237	ug/l	98
28) Bromochloromethane	7.250	49	32942	20.471	ug/l	95
29) Tetrahydrofuran	7.262	42	34200	92.243	ug/l	100
30) Chloroform	7.421	83	83864	21.132	ug/l	98
31) Cyclohexane	7.701	56	60387	17.362	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	73183	20.403	ug/l	98
36) 1,1-Dichloropropene	7.835	75	55584	19.697	ug/l	99
37) Ethyl Acetate	6.982	43	25920	19.463	ug/l	97
38) Carbon Tetrachloride	7.817	117	66663	20.626	ug/l	98
39) Methylcyclohexane	9.109	83	61273	18.176	ug/l	96
40) Benzene	8.079	78	174410	20.638	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021937.D
Acq On : 21 Apr 2025 10:18
Operator : SY/MD
Sample : VY0421SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 22 02:43:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBS01

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)
41) Methacrylonitrile	7.219	41	12249	17.319	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	48396	20.314	ug/l		99
43) Isopropyl Acetate	8.195	43	47771	18.928	ug/l		98
44) Trichloroethene	8.865	130	44932	20.867	ug/l		99
45) 1,2-Dichloropropane	9.140	63	41927	20.960	ug/l		97
46) Dibromomethane	9.231	93	24295	21.074	ug/l		98
47) Bromodichloromethane	9.426	83	62250	20.838	ug/l		96
48) Methyl methacrylate	9.219	41	21911	18.916	ug/l		99
49) 1,4-Dioxane	9.237	88	4785	387.445	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	126168	96.063	ug/l		99
52) Toluene	10.170	92	110928	21.039	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	51924	19.569	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	62926	20.103	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	30969	20.874	ug/l		97
56) Ethyl methacrylate	10.438	69	35107	18.532	ug/l		98
57) 1,3-Dichloropropane	10.719	76	54184	21.147	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	94588	102.352	ug/l		100
59) 2-Hexanone	10.761	43	83425	95.376	ug/l		98
60) Dibromochloromethane	10.908	129	43104	21.280	ug/l		99
61) 1,2-Dibromoethane	11.018	107	28530	20.500	ug/l		97
64) Tetrachloroethene	10.646	164	52393	22.014	ug/l		97
65) Chlorobenzene	11.444	112	121622	20.303	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	43997	20.701	ug/l		98
67) Ethyl Benzene	11.517	91	199354	19.408	ug/l		99
68) m/p-Xylenes	11.627	106	158426	40.277	ug/l		98
69) o-Xylene	11.956	106	71248	19.623	ug/l		100
70) Styrene	11.969	104	121466	20.064	ug/l		98
71) Bromoform	12.133	173	24986	20.610	ug/l	#	96
73) Isopropylbenzene	12.255	105	188726	18.251	ug/l		99
74) N-amyl acetate	12.072	43	40174	16.554	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	33556	18.049	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	26178m	18.969	ug/l		
77) Bromobenzene	12.536	156	47710	19.217	ug/l		99
78) n-propylbenzene	12.597	91	234746	18.883	ug/l		100
79) 2-Chlorotoluene	12.682	91	137447	19.035	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	159505	18.874	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10350	17.281	ug/l		94
82) 4-Chlorotoluene	12.779	91	145134	19.280	ug/l		99
83) tert-Butylbenzene	12.999	119	138100	18.346	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	159792	19.130	ug/l		99
85) sec-Butylbenzene	13.176	105	209471	19.042	ug/l		100
86) p-Isopropyltoluene	13.292	119	173788	19.114	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	96878	19.806	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	96108	19.887	ug/l		99
89) n-Butylbenzene	13.621	91	155886	18.539	ug/l		99
90) Hexachloroethane	13.877	117	38765	19.456	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	82836	19.454	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5395	18.723	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	44941	19.462	ug/l		99
94) Hexachlorobutadiene	15.023	225	30399	21.079	ug/l		97
95) Naphthalene	15.145	128	68557	17.912	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	40069	20.349	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021937.D
Acq On : 21 Apr 2025 10:18
Operator : SY/MD
Sample : VY0421SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBS01

Manual Integrations APPROVED

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

Quant Time: Apr 22 02:43:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

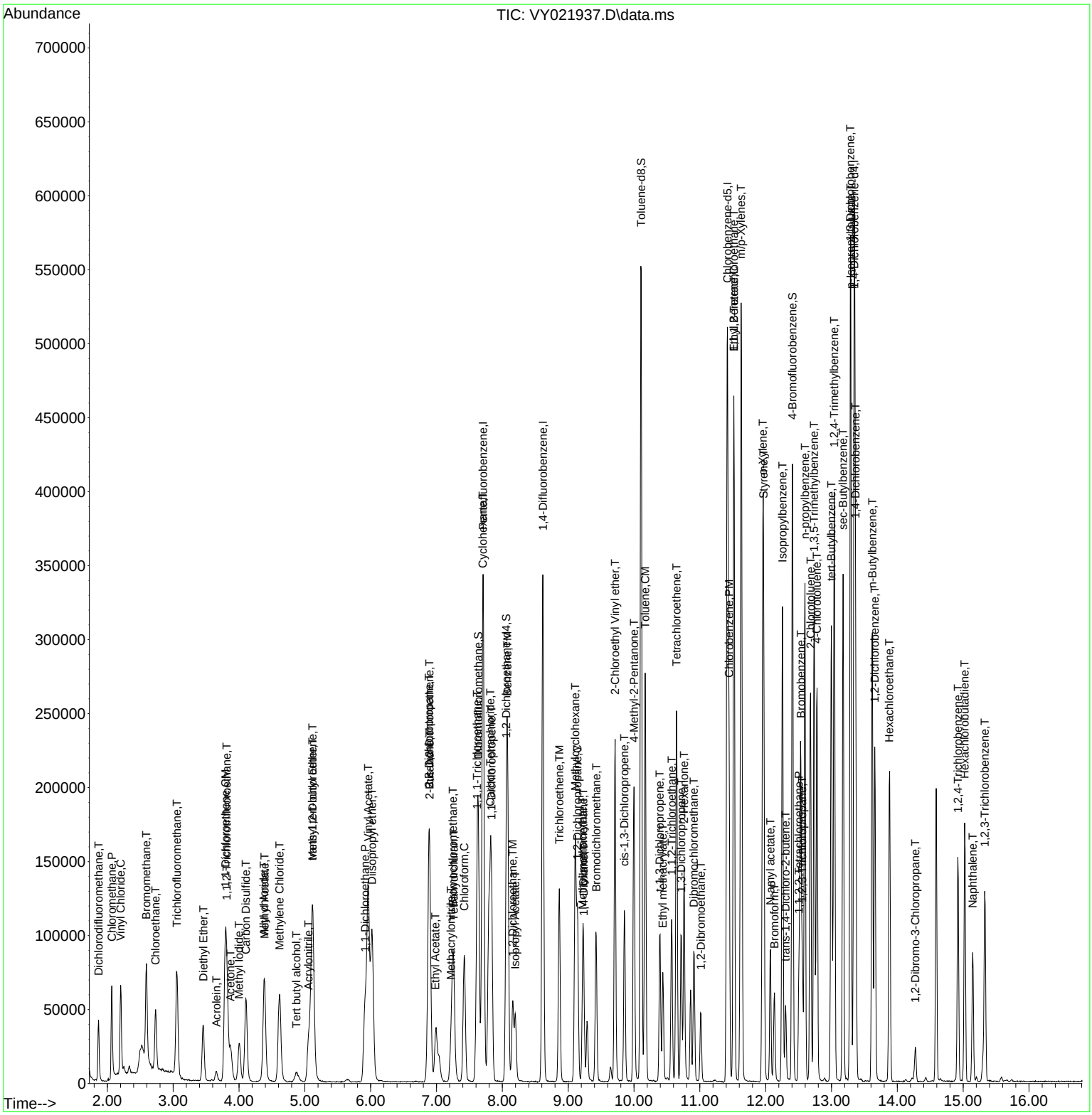
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021937.D
Acq On : 21 Apr 2025 10:18
Operator : SY/MD
Sample : VY0421SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 22 02:43:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBS01

Manual Integrations APPROVED

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



Raw Data: **VY021964.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0423SBS01	SDG No.:	Q1851
Lab Sample ID:	VY0423SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021964.D	1		04/23/25 11:07	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	24.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.5		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	97.5		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	20.4		1.00	5.00	ug/Kg
67-64-1	Acetone	94.7		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.0		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	19.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.2		0.80	5.00	ug/Kg
78-93-3	2-Butanone	96.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.3		0.75	5.00	ug/Kg
67-66-3	Chloroform	20.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.93	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.8		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.4		1.10	5.00	ug/Kg

Raw Data: **VY021964.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0423SBS01	SDG No.:	Q1851
Lab Sample ID:	VY0423SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021964.D	1		04/23/25 11:07	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	20.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.2		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		70 (63) - 130 (155)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	52.0		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	7.707			
540-36-3	1,4-Difluorobenzene	458000	8.616			
3114-55-4	Chlorobenzene-d5	418000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	222000	13.346			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021964.D
Acq On : 23 Apr 2025 11:07
Operator : SY/MD
Sample : VY0423SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	295173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	458305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	417679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	140165	51.409	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.820%			
35) Dibromofluoromethane	7.634	113	156093	51.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.100%			
50) Toluene-d8	10.109	98	593014	51.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.900%			
62) 4-Bromofluorobenzene	12.408	95	194614	50.645	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	49150	19.542	ug/l	97
3) Chloromethane	2.068	50	79531	22.207	ug/l	97
4) Vinyl Chloride	2.202	62	90607	20.588	ug/l	99
5) Bromomethane	2.592	94	91439	24.116	ug/l	98
6) Chloroethane	2.733	64	64520	21.526	ug/l	98
7) Trichlorofluoromethane	3.056	101	123323	21.251	ug/l	100
8) Diethyl Ether	3.458	74	29720	19.676	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	64570	20.511	ug/l	99
10) Methyl Iodide	4.001	142	65818	18.058	ug/l	99
11) Tert butyl alcohol	4.885	59	14597	97.521	ug/l	95
12) 1,1-Dichloroethene	3.787	96	59875	20.405	ug/l	97
13) Acrolein	3.659	56	27435	102.123	ug/l	99
14) Allyl chloride	4.385	41	66968	19.600	ug/l	99
15) Acrylonitrile	5.067	53	55987	101.248	ug/l	99
16) Acetone	3.879	43	38541	94.730	ug/l	92
17) Carbon Disulfide	4.104	76	192526	20.578	ug/l	98
18) Methyl Acetate	4.385	43	27554	21.635	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	131102	19.962	ug/l	96
20) Methylene Chloride	4.616	84	67092	19.461	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	65708	19.995	ug/l	95
22) Diisopropyl ether	6.019	45	156652	20.603	ug/l	93
23) Vinyl Acetate	5.964	43	410600	100.200	ug/l	99
24) 1,1-Dichloroethane	5.915	63	106508	20.209	ug/l	99
25) 2-Butanone	6.896	43	59906	96.392	ug/l	100
26) 2,2-Dichloropropane	6.890	77	94723	20.506	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	74706	20.331	ug/l	99
28) Bromochloromethane	7.244	49	41102	20.078	ug/l	95
29) Tetrahydrofuran	7.262	42	40959	101.473	ug/l	100
30) Chloroform	7.421	83	120714	20.649	ug/l	96
31) Cyclohexane	7.701	56	88058	19.538	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	106943	20.220	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81879	20.132	ug/l	99
37) Ethyl Acetate	6.988	43	29318	20.071	ug/l	98
38) Carbon Tetrachloride	7.817	117	100138	20.605	ug/l	97
39) Methylcyclohexane	9.109	83	98332	19.212	ug/l	96
40) Benzene	8.079	78	263532	20.728	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021964.D
Acq On : 23 Apr 2025 11:07
Operator : SY/MD
Sample : VY0423SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 24 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	15367	19.245	ug/l	#	89
42) 1,2-Dichloroethane	8.158	62	65165	20.702	ug/l		100
43) Isopropyl Acetate	8.201	43	55377	19.741	ug/l		99
44) Trichloroethene	8.866	130	71222	20.225	ug/l		99
45) 1,2-Dichloropropane	9.140	63	57685	20.517	ug/l		99
46) Dibromomethane	9.231	93	36042	20.478	ug/l		99
47) Bromodichloromethane	9.426	83	90955	20.687	ug/l		96
48) Methyl methacrylate	9.219	41	27965	21.565	ug/l		95
49) 1,4-Dioxane	9.244	88	7517	400.714	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	150808	102.554	ug/l		99
52) Toluene	10.170	92	170967	20.774	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	75065	19.904	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	92666	20.670	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	48596	20.670	ug/l		97
56) Ethyl methacrylate	10.438	69	52604	19.566	ug/l		99
57) 1,3-Dichloropropane	10.719	76	76673	20.343	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	134039	101.970	ug/l		100
59) 2-Hexanone	10.762	43	97696	100.725	ug/l		95
60) Dibromochloromethane	10.914	129	66379	20.393	ug/l		98
61) 1,2-Dibromoethane	11.018	107	45815	20.642	ug/l		99
64) Tetrachloroethene	10.646	164	80494	20.429	ug/l		98
65) Chlorobenzene	11.444	112	188396	20.170	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	68045	20.693	ug/l		98
67) Ethyl Benzene	11.518	91	302678	19.810	ug/l		99
68) m/p-Xylenes	11.627	106	245304	40.346	ug/l		99
69) o-Xylene	11.956	106	110797	19.772	ug/l		99
70) Styrene	11.969	104	188948	20.082	ug/l		99
71) Bromoform	12.133	173	38634	20.208	ug/l	#	99
73) Isopropylbenzene	12.255	105	290429	19.616	ug/l		99
74) N-amyl acetate	12.072	43	48649	19.125	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52798	21.152	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	39256m	20.681	ug/l		
77) Bromobenzene	12.536	156	73923	19.760	ug/l		97
78) n-propylbenzene	12.597	91	357207	20.260	ug/l		100
79) 2-Chlorotoluene	12.682	91	204453	19.939	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	244632	20.054	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	14911	18.917	ug/l		93
82) 4-Chlorotoluene	12.779	91	218007	20.453	ug/l		99
83) tert-Butylbenzene	12.999	119	210516	19.242	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	244676	20.053	ug/l		100
85) sec-Butylbenzene	13.176	105	318306	19.883	ug/l		100
86) p-Isopropyltoluene	13.292	119	265758	19.549	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	149215	19.638	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	150139	19.951	ug/l		99
89) n-Butylbenzene	13.621	91	234544	19.302	ug/l		98
90) Hexachloroethane	13.883	117	59491	19.918	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	133741	20.180	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8096	20.386	ug/l		86
93) 1,2,4-Trichlorobenzene	14.919	180	70613	18.803	ug/l		99
94) Hexachlorobutadiene	15.023	225	43918	19.007	ug/l		98
95) Naphthalene	15.145	128	110434	17.702	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	61606	19.004	ug/l		97

Sample Results: **VY021964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021964.D
Acq On : 23 Apr 2025 11:07
Operator : SY/MD
Sample : VY0423SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 24 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

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

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

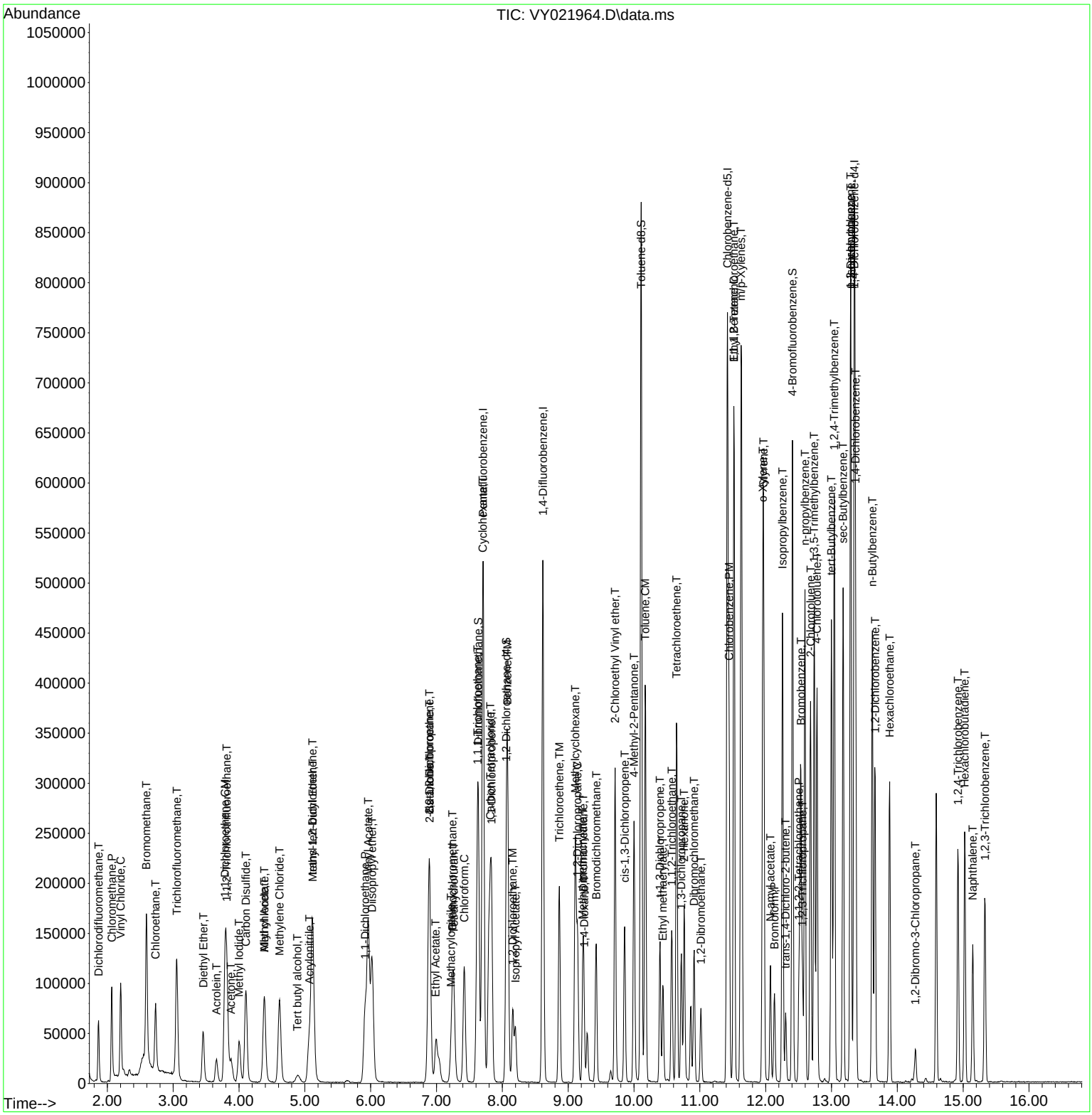
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021964.D
Acq On : 23 Apr 2025 11:07
Operator : SY/MD
Sample : VY0423SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 24 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025



Raw Data: **VY021938.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0421SBSD01	SDG No.:	Q1851
Lab Sample ID:	VY0421SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021938.D	1		04/21/25 10:41	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	18.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.4		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.3		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.9		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	95.7		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	18.8		1.00	5.00	ug/Kg
67-64-1	Acetone	96.1		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.4		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	20.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.4		0.80	5.00	ug/Kg
78-93-3	2-Butanone	97.3		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.1		0.75	5.00	ug/Kg
67-66-3	Chloroform	20.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.9		0.93	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.8		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.8		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.9		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	99.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.1		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.2		1.10	5.00	ug/Kg

Raw Data: **VY021938.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0421SBSD01	SDG No.:	Q1851
Lab Sample ID:	VY0421SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021938.D	1		04/21/25 10:41	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.6		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.2		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	184000	7.707			
540-36-3	1,4-Difluorobenzene	288000	8.616			
3114-55-4	Chlorobenzene-d5	259000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	136000	13.346			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021938.D
Acq On : 21 Apr 2025 10:41
Operator : SY/MD
Sample : VY0421SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 22 02:43:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBSD01

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) Pentafluorobenzene	7.707	168	184070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	287552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	136375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100790	50.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.080%			
35) Dibromofluoromethane	7.634	113	96856	51.925	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.860%			
50) Toluene-d8	10.103	98	363518	51.227	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.408	95	123704	51.538	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	32394	16.979	ug/l	97
3) Chloromethane	2.068	50	50522	18.833	ug/l	99
4) Vinyl Chloride	2.202	62	55965	18.447	ug/l	97
5) Bromomethane	2.586	94	41971	20.283	ug/l	93
6) Chloroethane	2.733	64	37510	18.894	ug/l	95
7) Trichlorofluoromethane	3.056	101	72971	18.776	ug/l	99
8) Diethyl Ether	3.452	74	20104	19.022	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	38813	18.935	ug/l	96
10) Methyl Iodide	4.001	142	41463	18.438	ug/l	100
11) Tert butyl alcohol	4.866	59	12393	95.671	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	36226	18.763	ug/l	92
13) Acrolein	3.653	56	8171	34.545	ug/l	98
14) Allyl chloride	4.385	41	57136	18.561	ug/l	99
15) Acrylonitrile	5.055	53	45221	102.473	ug/l	98
16) Acetone	3.866	43	39229	96.111	ug/l	98
17) Carbon Disulfide	4.098	76	109809	17.268	ug/l	100
18) Methyl Acetate	4.385	43	25467	25.175	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	93476	19.446	ug/l	98
20) Methylene Chloride	4.616	84	44779	20.108	ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	41282	19.420	ug/l	96
22) Diisopropyl ether	6.019	45	130558	20.218	ug/l	97
23) Vinyl Acetate	5.958	43	347021	91.860	ug/l	97
24) 1,1-Dichloroethane	5.915	63	78896	20.432	ug/l	97
25) 2-Butanone	6.896	43	56743	97.332	ug/l	95
26) 2,2-Dichloropropane	6.878	77	68052	19.813	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	48008	20.082	ug/l	98
28) Bromochloromethane	7.244	49	33682	20.683	ug/l	97
29) Tetrahydrofuran	7.262	42	36657	97.699	ug/l	99
30) Chloroform	7.421	83	82100	20.442	ug/l	100
31) Cyclohexane	7.701	56	60265	17.121	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	72317	19.923	ug/l	99
36) 1,1-Dichloropropene	7.835	75	54350	19.130	ug/l	98
37) Ethyl Acetate	6.982	43	26109	19.472	ug/l	100
38) Carbon Tetrachloride	7.817	117	65041	19.987	ug/l	99
39) Methylcyclohexane	9.109	83	58586	17.261	ug/l	98
40) Benzene	8.079	78	172193	20.238	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021938.D
Acq On : 21 Apr 2025 10:41
Operator : SY/MD
Sample : VY0421SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 22 02:43:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBSD01

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)
41) Methacrylonitrile	7.220	41	13327	18.715	ug/l	#	100
42) 1,2-Dichloroethane	8.152	62	48744	20.321	ug/l		98
43) Isopropyl Acetate	8.195	43	50459	19.858	ug/l		100
44) Trichloroethene	8.866	130	44112	20.348	ug/l		97
45) 1,2-Dichloropropane	9.140	63	41044	20.379	ug/l		94
46) Dibromomethane	9.231	93	23846	20.544	ug/l		98
47) Bromodichloromethane	9.420	83	62196	20.679	ug/l		98
48) Methyl methacrylate	9.219	41	22425	19.229	ug/l		99
49) 1,4-Dioxane	9.231	88	5044	405.650	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	136330	103.097	ug/l		100
52) Toluene	10.170	92	109601	20.646	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	52802	19.765	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	62311	19.771	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	32667	21.870	ug/l		98
56) Ethyl methacrylate	10.438	69	37030	19.415	ug/l		98
57) 1,3-Dichloropropane	10.713	76	53694	20.814	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	100110	107.593	ug/l		100
59) 2-Hexanone	10.762	43	88016	99.943	ug/l		99
60) Dibromochloromethane	10.908	129	43098	21.133	ug/l		98
61) 1,2-Dibromoethane	11.012	107	29375	20.964	ug/l		99
64) Tetrachloroethene	10.646	164	52197	22.152	ug/l		96
65) Chlorobenzene	11.438	112	120728	20.356	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	43131	20.497	ug/l		97
67) Ethyl Benzene	11.518	91	196300	19.302	ug/l		97
68) m/p-Xylenes	11.627	106	156499	40.186	ug/l		98
69) o-Xylene	11.956	106	70690	19.665	ug/l		98
70) Styrene	11.969	104	119429	19.926	ug/l		100
71) Bromoform	12.127	173	25950	21.620	ug/l	#	99
73) Isopropylbenzene	12.255	105	185545	18.318	ug/l		99
74) N-amyl acetate	12.066	43	42238	17.768	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	34540	18.966	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	25499m	18.863	ug/l		
77) Bromobenzene	12.530	156	46905	19.287	ug/l		99
78) n-propylbenzene	12.597	91	228710	18.781	ug/l		99
79) 2-Chlorotoluene	12.676	91	134943	19.079	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	158146	19.103	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	11078	18.882	ug/l		97
82) 4-Chlorotoluene	12.773	91	142613	19.340	ug/l		99
83) tert-Butylbenzene	12.993	119	134989	18.307	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	160612	19.630	ug/l		99
85) sec-Butylbenzene	13.176	105	204114	18.942	ug/l		100
86) p-Isopropyltoluene	13.292	119	170280	19.119	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	97033	20.251	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	95456	20.164	ug/l		99
89) n-Butylbenzene	13.615	91	153578	18.646	ug/l		98
90) Hexachloroethane	13.877	117	36837	18.875	ug/l		93
91) 1,2-Dichlorobenzene	13.657	146	83956	20.128	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5779	20.474	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	44388	19.624	ug/l		100
94) Hexachlorobutadiene	15.023	225	29102	20.601	ug/l		97
95) Naphthalene	15.145	128	70308	18.753	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	39508	20.483	ug/l		99

Sample Results: **VY021938.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021938.D
Acq On : 21 Apr 2025 10:41
Operator : SY/MD
Sample : VY0421SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBSD01

Manual Integrations APPROVED

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

Quant Time: Apr 22 02:43:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

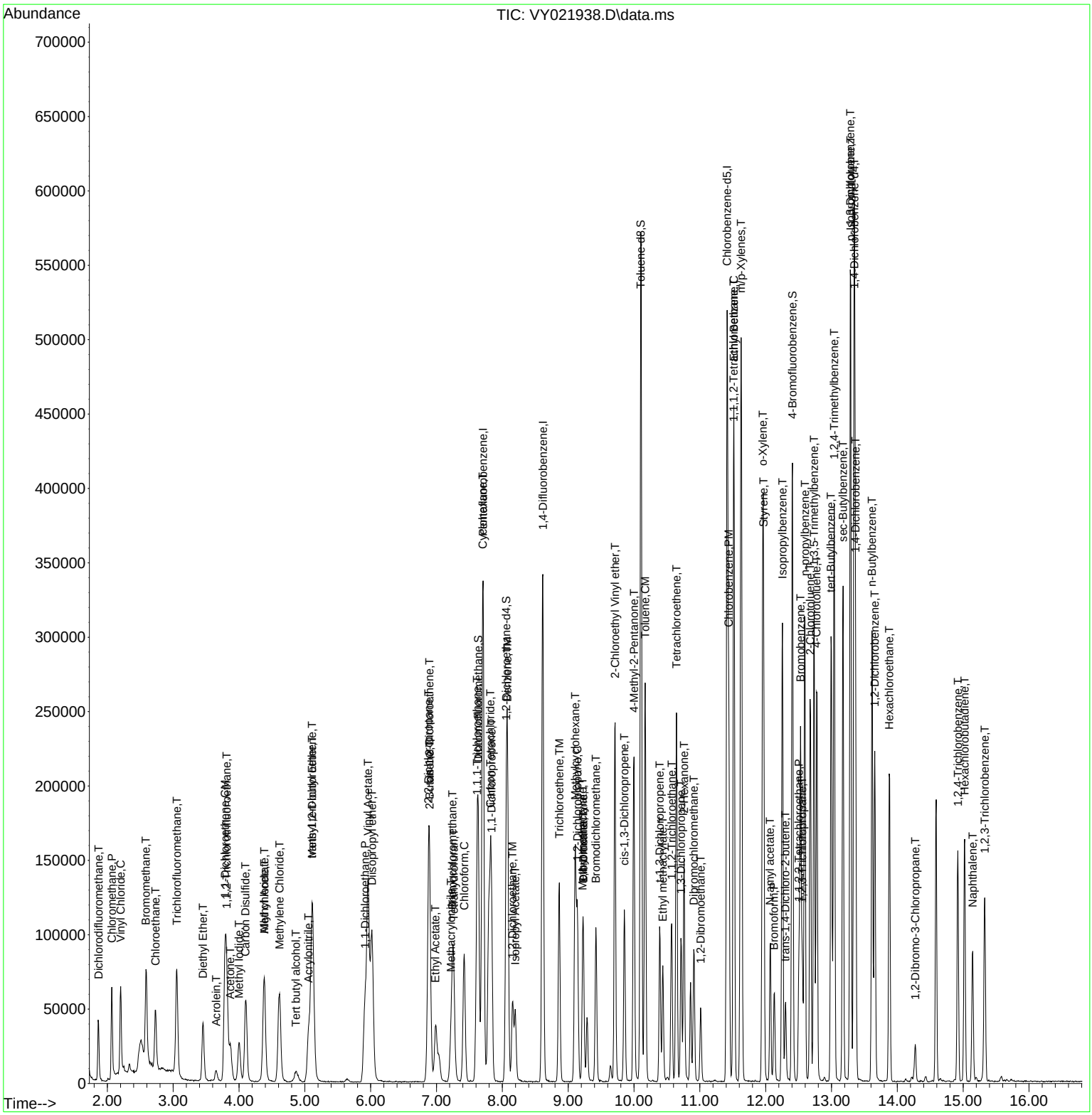
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021938.D
Acq On : 21 Apr 2025 10:41
Operator : SY/MD
Sample : VY0421SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 22 02:43:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBSD01

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:	vy032725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021656.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	Methacrylonitrile	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	Methacrylonitrile	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC020	VY021658.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:20 AM	MMDadoda	3/28/2025 9:32:41 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	Methacrylonitrile	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICC100	VY021660.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:15 AM	MMDadoda	3/28/2025 9:32:49 AM	Peak Integrated by Software
VSTDICC150	VY021661.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:43 AM	MMDadoda	3/28/2025 9:32:53 AM	Peak Integrated by Software
VSTDICV050	VY021663.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:11 AM	MMDadoda	3/28/2025 9:32:04 AM	Peak Integrated by Software
VSTDCCC050	VY021680.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:58 AM	MMDadoda	3/28/2025 9:32:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy042125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021935.D	1,2,3-Trichloropropane	SAM	4/22/2025 1:56:42 PM	MMDadoda	4/22/2025 1:59:02 PM	Peak Integrated by Software
VY0421SBS01	VY021937.D	1,2,3-Trichloropropane	SAM	4/22/2025 1:56:42 PM	MMDadoda	4/22/2025 1:59:03 PM	Peak Integrated by Software
VY0421SBSD01	VY021938.D	1,2,3-Trichloropropane	SAM	4/22/2025 1:56:43 PM	MMDadoda	4/22/2025 1:59:05 PM	Peak Integrated by Software
VSTDCCC050	VY021951.D	1,2,3-Trichloropropane	SAM	4/22/2025 1:56:46 PM	MMDadoda	4/22/2025 1:59:06 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

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

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Manual Integration Report

Sequence:	vy042325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021962.D	1,2,3-Trichloropropane	MMDadoda	4/25/2025 12:52:00 AM	SAM	4/25/2025 12:54:43 AM	Peak Integrated by Software
VY0423SBS01	VY021964.D	1,2,3-Trichloropropane	MMDadoda	4/25/2025 12:52:02 AM	SAM	4/25/2025 12:54:43 AM	Peak Integrated by Software
VSTDCCC050	VY021985.D	1,2,3-Trichloropropane	MMDadoda	4/25/2025 12:52:05 AM	SAM	4/25/2025 12:54:45 AM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021655.D	27 Mar 2025 09:23	SY/MD	Ok
2	VSTDICC005	VY021656.D	27 Mar 2025 10:08	SY/MD	Ok,M
3	VSTDICC010	VY021657.D	27 Mar 2025 10:31	SY/MD	Ok,M
4	VSTDICC020	VY021658.D	27 Mar 2025 10:54	SY/MD	Ok,M
5	VSTDICCC050	VY021659.D	27 Mar 2025 11:16	SY/MD	Ok,M
6	VSTDICC100	VY021660.D	27 Mar 2025 11:39	SY/MD	Ok,M
7	VSTDICC150	VY021661.D	27 Mar 2025 12:02	SY/MD	Ok,M
8	VIBLK	VY021662.D	27 Mar 2025 12:35	SY/MD	Ok
9	VSTDICV050	VY021663.D	27 Mar 2025 13:15	SY/MD	Ok,M
10	VY0327SBL01	VY021664.D	27 Mar 2025 13:59	SY/MD	Ok
11	VY0327SBS01	VY021665.D	27 Mar 2025 14:38	SY/MD	Ok,M
12	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00	SY/MD	Ok,M
13	Q1661-02	VY021667.D	27 Mar 2025 15:24	SY/MD	Not Ok
14	Q1645-03RE	VY021668.D	27 Mar 2025 15:48	SY/MD	Confirms
15	Q1662-03	VY021669.D	27 Mar 2025 16:11	SY/MD	Not Ok
16	Q1662-07	VY021670.D	27 Mar 2025 16:35	SY/MD	ReRun
17	Q1661-02	VY021671.D	27 Mar 2025 16:58	SY/MD	Not Ok
18	Q1650-02	VY021672.D	27 Mar 2025 17:21	SY/MD	Not Ok
19	Q1654-01	VY021673.D	27 Mar 2025 17:45	SY/MD	Ok
20	Q1656-01	VY021674.D	27 Mar 2025 18:08	SY/MD	Not Ok
21	Q1648-09	VY021675.D	27 Mar 2025 18:32	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1648-07	VY021676.D	27 Mar 2025 18:55	SY/MD	Ok
23	Q1648-05	VY021677.D	27 Mar 2025 19:19	SY/MD	Ok
24	Q1648-01	VY021678.D	27 Mar 2025 19:42	SY/MD	Ok
25	Q1648-03	VY021679.D	27 Mar 2025 20:05	SY/MD	Ok
26	VSTDCCC050	VY021680.D	27 Mar 2025 20:28	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 1:56:52 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/22/2025 1:59:08 PM				
SubDirectory	VY042125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133701
Initial Calibration Stds	
CCC	VP133702,VP133703
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021934.D	21 Apr 2025 08:38	SY/MD	Ok
2	VSTDCCC050	VY021935.D	21 Apr 2025 09:08	SY/MD	Ok,M
3	VY0421SBL01	VY021936.D	21 Apr 2025 09:42	SY/MD	Ok
4	VY0421SBS01	VY021937.D	21 Apr 2025 10:18	SY/MD	Ok,M
5	VY0421SBSD01	VY021938.D	21 Apr 2025 10:41	SY/MD	Ok,M
6	Q1840-01RE	VY021939.D	21 Apr 2025 11:37	SY/MD	Confirms
7	Q1841-01	VY021940.D	21 Apr 2025 12:00	SY/MD	ReRun
8	Q1842-02	VY021941.D	21 Apr 2025 12:23	SY/MD	Ok
9	Q1842-08	VY021942.D	21 Apr 2025 12:47	SY/MD	Ok
10	Q1842-14	VY021943.D	21 Apr 2025 13:10	SY/MD	Ok
11	Q1842-20	VY021944.D	21 Apr 2025 13:34	SY/MD	Ok
12	Q1842-26	VY021945.D	21 Apr 2025 13:57	SY/MD	Ok
13	Q1842-32	VY021946.D	21 Apr 2025 14:21	SY/MD	Ok
14	Q1842-38	VY021947.D	21 Apr 2025 14:44	SY/MD	Ok
15	Q1851-05	VY021948.D	21 Apr 2025 15:08	SY/MD	Ok
16	Q1851-06	VY021949.D	21 Apr 2025 15:31	SY/MD	ReRun
17	Q1851-07	VY021950.D	21 Apr 2025 15:54	SY/MD	Ok
18	VSTDCCC050	VY021951.D	21 Apr 2025 16:17	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM				
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDICC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDICC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDICC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDICCC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDICC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDICC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM				
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133726
Initial Calibration Stds	
CCC	VP133727,VP133728
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021961.D	23 Apr 2025 09:27	SY/MD	Ok
2	VSTDCCC050	VY021962.D	23 Apr 2025 09:57	SY/MD	Ok,M
3	VY0423SBL01	VY021963.D	23 Apr 2025 10:31	SY/MD	Ok
4	VY0423SBS01	VY021964.D	23 Apr 2025 11:07	SY/MD	Ok,M
5	VY0423SBSD01	VY021965.D	23 Apr 2025 11:30	SY/MD	Ok,M
6	Q1841-01RE	VY021966.D	23 Apr 2025 13:06	SY/MD	Confirms
7	Q1851-06	VY021967.D	23 Apr 2025 13:29	SY/MD	Ok
8	Q1850-01	VY021968.D	23 Apr 2025 13:53	SY/MD	Ok
9	Q1848-01	VY021969.D	23 Apr 2025 14:16	SY/MD	Ok
10	Q1848-03	VY021970.D	23 Apr 2025 14:40	SY/MD	Ok
11	Q1848-05	VY021971.D	23 Apr 2025 15:03	SY/MD	Ok
12	Q1853-01	VY021972.D	23 Apr 2025 15:27	SY/MD	ReRun
13	Q1854-01	VY021973.D	23 Apr 2025 15:50	SY/MD	Ok
14	Q1852-01	VY021974.D	23 Apr 2025 16:13	SY/MD	Ok
15	Q1852-03	VY021975.D	23 Apr 2025 16:37	SY/MD	Ok
16	Q1852-05	VY021976.D	23 Apr 2025 17:00	SY/MD	Ok
17	Q1852-07	VY021977.D	23 Apr 2025 17:24	SY/MD	Ok
18	Q1858-01	VY021978.D	23 Apr 2025 17:47	SY/MD	Ok
19	Q1858-02	VY021979.D	23 Apr 2025 18:11	SY/MD	Ok
20	Q1858-03	VY021980.D	23 Apr 2025 18:34	SY/MD	Ok
21	Q1859-01	VY021981.D	23 Apr 2025 18:58	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM				
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133726
Initial Calibration Stds	
CCC	VP133727,VP133728
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1859-02	VY021982.D	23 Apr 2025 19:21	SY/MD	Ok
23	Q1859-03	VY021983.D	23 Apr 2025 19:44	SY/MD	Ok
24	Q1855-01	VY021984.D	23 Apr 2025 20:08	SY/MD	ReRun
25	VSTDCCC050	VY021985.D	23 Apr 2025 20:31	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021655.D	27 Mar 2025 09:23		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021656.D	27 Mar 2025 10:08		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021657.D	27 Mar 2025 10:31		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021658.D	27 Mar 2025 10:54	Comp.#20 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021659.D	27 Mar 2025 11:16		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021660.D	27 Mar 2025 11:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021661.D	27 Mar 2025 12:02		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021662.D	27 Mar 2025 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY032725	VY021663.D	27 Mar 2025 13:15		SY/MD	Ok,M
10	VY0327SBL01	VY0327SBL01	VY021664.D	27 Mar 2025 13:59		SY/MD	Ok
11	VY0327SBS01	VY0327SBS01	VY021665.D	27 Mar 2025 14:38		SY/MD	Ok,M
12	VY0327SBSD01	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00		SY/MD	Ok,M
13	Q1661-02	351	VY021667.D	27 Mar 2025 15:24	vial-B Not purge	SY/MD	Not Ok
14	Q1645-03RE	TP-4-VOCRE	VY021668.D	27 Mar 2025 15:48	vial-B Internal Standard Fail	SY/MD	Confirms
15	Q1662-03	TP-6-VOC	VY021669.D	27 Mar 2025 16:11	vial-A NOT PURGE	SY/MD	Not Ok
16	Q1662-07	TP-7-VOC	VY021670.D	27 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1661-02	351	VY021671.D	27 Mar 2025 16:58	vial-A NOT PURGE	SY/MD	Not Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1650-02	STOCK-PILE-BIN2	VY021672.D	27 Mar 2025 17:21	vial-A NOT PURGE	SY/MD	Not Ok
19	Q1654-01	RT3407	VY021673.D	27 Mar 2025 17:45	vial-A Internal Standard Fail	SY/MD	Ok
20	Q1656-01	VNJ239	VY021674.D	27 Mar 2025 18:08	vial-A NOT PURGE	SY/MD	Not Ok
21	Q1648-09	TP-7	VY021675.D	27 Mar 2025 18:32	vial-A	SY/MD	Ok
22	Q1648-07	TP-6	VY021676.D	27 Mar 2025 18:55	vial-A	SY/MD	Ok
23	Q1648-05	TP-3	VY021677.D	27 Mar 2025 19:19	vial-A	SY/MD	Ok
24	Q1648-01	TP-4	VY021678.D	27 Mar 2025 19:42	vial-A	SY/MD	Ok
25	Q1648-03	TP-5	VY021679.D	27 Mar 2025 20:05	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021680.D	27 Mar 2025 20:28		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 1:56:52 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/22/2025 1:59:08 PM		
SubDirectory	VY042125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133701
Initial Calibration Stds	
CCC	VP133702,VP133703
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021934.D	21 Apr 2025 08:38		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021935.D	21 Apr 2025 09:08		SY/MD	Ok,M
3	VY0421SBL01	VY0421SBL01	VY021936.D	21 Apr 2025 09:42		SY/MD	Ok
4	VY0421SBS01	VY0421SBS01	VY021937.D	21 Apr 2025 10:18		SY/MD	Ok,M
5	VY0421SBSD01	VY0421SBSD01	VY021938.D	21 Apr 2025 10:41		SY/MD	Ok,M
6	Q1840-01RE	OK-04-04182025RE	VY021939.D	21 Apr 2025 11:37	vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
7	Q1841-01	VNJ-231	VY021940.D	21 Apr 2025 12:00	vial-A Internal Standard Fail	SY/MD	ReRun
8	Q1842-02	PL-714-VOC-08	VY021941.D	21 Apr 2025 12:23	vial-A	SY/MD	Ok
9	Q1842-08	PL-714-VOC-09	VY021942.D	21 Apr 2025 12:47	vial-A	SY/MD	Ok
10	Q1842-14	PL-714-VOC-10	VY021943.D	21 Apr 2025 13:10	vial-A	SY/MD	Ok
11	Q1842-20	PL-714-VOC-11	VY021944.D	21 Apr 2025 13:34	vial-A	SY/MD	Ok
12	Q1842-26	PL-714-VOC-12	VY021945.D	21 Apr 2025 13:57	vial-A	SY/MD	Ok
13	Q1842-32	PL-714-VOC-13	VY021946.D	21 Apr 2025 14:21	vial-A	SY/MD	Ok
14	Q1842-38	PL-714-VOC-14	VY021947.D	21 Apr 2025 14:44	vial-A	SY/MD	Ok
15	Q1851-05	GP5	VY021948.D	21 Apr 2025 15:08	vial-A	SY/MD	Ok
16	Q1851-06	GP6	VY021949.D	21 Apr 2025 15:31	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1851-07	GP7	VY021950.D	21 Apr 2025 15:54	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 1:56:52 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/22/2025 1:59:08 PM		
SubDirectory	VY042125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133701
Initial Calibration Stds	
CCC	VP133702,VP133703
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VSTDCCC050	VSTDCCC050EC	VY021951.D	21 Apr 2025 16:17		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM		
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133726
Initial Calibration Stds	
CCC	VP133727,VP133728
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021961.D	23 Apr 2025 09:27		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021962.D	23 Apr 2025 09:57		SY/MD	Ok,M
3	VY0423SBL01	VY0423SBL01	VY021963.D	23 Apr 2025 10:31		SY/MD	Ok
4	VY0423SBS01	VY0423SBS01	VY021964.D	23 Apr 2025 11:07		SY/MD	Ok,M
5	VY0423SBSD01	VY0423SBSD01	VY021965.D	23 Apr 2025 11:30		SY/MD	Ok,M
6	Q1841-01RE	VNJ-231RE	VY021966.D	23 Apr 2025 13:06	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1851-06	GP6	VY021967.D	23 Apr 2025 13:29	vial-B	SY/MD	Ok
8	Q1850-01	CONCRETE-PILE-N-C-	VY021968.D	23 Apr 2025 13:53	vial-A	SY/MD	Ok
9	Q1848-01	RBR200027	VY021969.D	23 Apr 2025 14:16	vial-A	SY/MD	Ok
10	Q1848-03	ETGI-275	VY021970.D	23 Apr 2025 14:40	vial-A	SY/MD	Ok
11	Q1848-05	ETGI-342	VY021971.D	23 Apr 2025 15:03	vial-A	SY/MD	Ok
12	Q1853-01	EO-02-04222025	VY021972.D	23 Apr 2025 15:27	vial-A Internal Standard Fail	SY/MD	ReRun
13	Q1854-01	NB-08-04222025	VY021973.D	23 Apr 2025 15:50	vial-A	SY/MD	Ok
14	Q1852-01	ETGI-354	VY021974.D	23 Apr 2025 16:13	vial-A	SY/MD	Ok
15	Q1852-03	72-11977	VY021975.D	23 Apr 2025 16:37	vial-A	SY/MD	Ok
16	Q1852-05	ETGI-278	VY021976.D	23 Apr 2025 17:00	vial-A	SY/MD	Ok
17	Q1852-07	72-12013	VY021977.D	23 Apr 2025 17:24	vial-A	SY/MD	Ok
18	Q1858-01	COMP-1	VY021978.D	23 Apr 2025 17:47	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM		
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133726
Initial Calibration Stds	
CCC	VP133727,VP133728
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1858-02	COMP-2	VY021979.D	23 Apr 2025 18:11	vial-A	SY/MD	Ok
20	Q1858-03	COMP-3	VY021980.D	23 Apr 2025 18:34	vial-A	SY/MD	Ok
21	Q1859-01	COMP-1	VY021981.D	23 Apr 2025 18:58	vial-A	SY/MD	Ok
22	Q1859-02	COMP-2	VY021982.D	23 Apr 2025 19:21	vial-A	SY/MD	Ok
23	Q1859-03	COMP-3	VY021983.D	23 Apr 2025 19:44	vial-A	SY/MD	Ok
24	Q1855-01	2001	VY021984.D	23 Apr 2025 20:08	vial-A Internal Standard Fail	SY/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VY021985.D	23 Apr 2025 20:31		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135506

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1837-15	FLORISIL CHECK	1	1.00	1.00	2.00	2.00	100.0	
Q1845-01	GAS-PIPE-1	2	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1846-01	JEI294J-1-1	12	1.00	1.00	2.00	2.00	100.0	pilc
Q1846-02	JEI294J-1-2	13	1.00	1.00	2.00	2.00	100.0	pilc
Q1847-01	MOO-25-0121	14	1.18	10.13	11.31	10.13	88.4	
Q1847-02	MOO-25-0122	15	1.15	9.96	11.11	10.58	94.7	
Q1847-03	PAD-24125	16	1.18	10.49	11.67	11.22	95.7	
Q1848-01	RBR200027	17	1.13	10.13	11.26	10.14	88.9	
Q1848-02	RBR200027-E2	18	1.15	10.37	11.52	9.94	84.8	
Q1848-03	ETGI-275	19	1.18	10.98	12.16	10.61	85.9	
Q1848-04	ETGI-275-E2	20	1.17	9.95	11.12	9.8	86.7	
Q1848-05	ETGI-342	21	1.14	10.56	11.7	10.38	87.5	
Q1848-06	ETGI-342-E2	22	1.16	10.33	11.49	10.15	87.0	
Q1850-01	CONCRETE-PILE-N-C-LOT	3	1.00	1.00	2.00	2.00	100.0	CONCRETE- PILE
Q1850-02	CONCRETE-PILE-N-C-LOT	4	1.00	1.00	2.00	2.00	100.0	CONCRETE- PILE
Q1851-01	DP5	5	1.14	9.88	11.02	10.7	96.8	
Q1851-02	DP6	6	1.14	9.88	11.02	10.72	97.0	
Q1851-03	DP7	7	1.15	9.82	10.97	10.82	98.5	
Q1851-04	DP8	8	1.13	10.84	11.97	11.14	92.3	
Q1851-05	GP5	9	1.14	10.60	11.74	11.47	97.5	
Q1851-06	GP6	10	1.13	11.10	12.23	11.00	88.9	
Q1851-07	GP7	11	1.18	10.44	11.62	10.91	93.2	

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

WORKLIST(Hardcopy Internal Chain)

VB 135506

WorkList Name : %1-042125 **WorkList ID :** 189042 **Department :** Wet-Chemistry **Date :** 04-21-2025 08:36:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1837-15	FLORISIL CHECK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/11/2025	Chemtech -SO
Q1845-01	GAS-PIPE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/21/2025	Chemtech -SO
Q1846-01	JEI294J-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/21/2025	Chemtech -SO
Q1846-02	JEI294J-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/21/2025	Chemtech -SO
Q1847-01	MOO-25-0121	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/21/2025	Chemtech -SO
Q1847-02	MOO-25-0122	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/21/2025	Chemtech -SO
Q1847-03	PAD-24125	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/21/2025	Chemtech -SO
Q1848-01	RBR200027	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/21/2025	Chemtech -SO
Q1848-02	RBR200027-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/21/2025	Chemtech -SO
Q1848-03	ETGI-275	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/21/2025	Chemtech -SO
Q1848-04	ETGI-275-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/21/2025	Chemtech -SO
Q1848-05	ETGI-342	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/21/2025	Chemtech -SO
Q1848-06	ETGI-342-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/21/2025	Chemtech -SO
Q1850-01	CONCRETE-PILE-N-C-LOT	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/21/2025	Chemtech -SO
Q1850-02	CONCRETE-PILE-N-C-LOT	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/21/2025	Chemtech -SO
Q1851-01	DP5	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	04/21/2025	Chemtech -SO
Q1851-02	DP6	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	04/21/2025	Chemtech -SO
Q1851-03	DP7	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	04/21/2025	Chemtech -SO
Q1851-04	DP8	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	04/21/2025	Chemtech -SO
Q1851-05	GP5	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	04/21/2025	Chemtech -SO
Q1851-06	GP6	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	04/21/2025	Chemtech -SO

Date/Time 04/21/25 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 04/21/25 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

MB1355506

WorkList Name : %1-042125 **WorkList ID :** 189042 **Department :** Wet-Chemistry **Date :** 04-21-2025 08:36:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1851-07	GP7	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	04/21/2025	Chemtech -SO

Date/Time 04/21/25 15:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Date/Time 04/21/25 17:10
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

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

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1851-05	38.43-33.31=5.12	14:15	38.82-33.34=5.48	14:16	33.04-27.78=5.26	14:17	V14143	04/21/2025	8260 TERRACORE SAMPLES
2	Q1851-06	39.10-33.10=6	14:18	39.45-33.26=6.19	14:19	34.09-28.09=6	14:20	V14143	04/21/2025	8260 TERRACORE SAMPLES
3	Q1851-07	40.10-32.84=7.26	14:21	40.04-33.18=6.86	14:22	35.24-27.98=7.26	14:23	V14143	04/21/2025	8260 TERRACORE SAMPLES

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q1851
COC Number 2045864

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GeoPINC
ADDRESS: 8 CARRIAGE Lane
CITY Succasunna STATE NJ ZIP 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Stockton
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Environmental PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAY EPH 5 day VOC DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: Standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: EPH 0-12 | 2 | 3: 501 VOCs TBA/MTBE | 4 | 5 | 6 | 7 | 8 | 9

PRESERVATIVES

1: ice | 2 | 3: Terra Cores | 4 | 5 | 6 | 7 | 8 | 9

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	DP5	Soil		X	4/21/25	1020	1	X								
2.	DP6					1030	1	X								
3.	DP7					1035	1	X								
4.	DP8					1045	1	X								
5.	GP5					1110	5			X						
6.	GP6					1115	5			X						
7.	GP7	Soil		X	4/21/25	1121	5			X						
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	4/21/25 1245	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
Comments: (Adjust FACTOR +1) IR Gun #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1851 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 4/21/2025 12:52:00 PM
Project Name : Stockton
Receive DateTime : 4/21/2025 12:45:00 PM
Purchase Order :

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

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1851-05	GP5	Solid	04/21/2025	11:10					
					VOC-TCLVOA-10		8260D		5 Bus. Days
Q1851-06	GP6	Solid	04/21/2025	11:15					
					VOC-TCLVOA-10		8260D		5 Bus. Days
Q1851-07	GP7	Solid	04/21/2025	11:21					
					VOC-TCLVOA-10		8260D		5 Bus. Days

Relinguished By :
Date / Time : 4/21/25 1325

Received By :
Date / Time : 04/21/25

Storage Area : VOA Refridgerator Room