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:	Q1987	**OrderDate:**	5/8/2025 1:07:00 PM
Client:	G Environmental	**Project:**	Hillside
Contact:	Gary Landis	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1987-01	**GC1**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group1	8260D			05/12/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1987

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**GC1**							
Q1987-01	GC1	SOIL	Butylated Hydroxytoluene	* 6.60	J	0	0	ug/Kg
			Total Tics :	6.60				
			Total Concentration:	6.60				

QC SUMMARY

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

SDG No.: Q1987

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1987-01	GC1	1,2-Dichloroethane-d4	50	65.5	131	*	70 (63)	130 (155)
		Dibromofluoromethane	50	58.3	117		70 (70)	130 (134)
		Toluene-d8	50	52.1	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.2	84		70 (38)	130 (136)
VY0512SBL01	VY0512SBL01	1,2-Dichloroethane-d4	50	61.3	123		70 (63)	130 (155)
		Dibromofluoromethane	50	54.9	110		70 (70)	130 (134)
		Toluene-d8	50	49.5	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.4	85		70 (38)	130 (136)
VY0512SBS01	VY0512SBS01	1,2-Dichloroethane-d4	50	48.1	96		70 (63)	130 (155)
		Dibromofluoromethane	50	49.5	99		70 (70)	130 (134)
		Toluene-d8	50	50.0	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.6	99		70 (38)	130 (136)
VY0512SBSD01	VY0512SBSD01	1,2-Dichloroethane-d4	50	54.6	109		70 (63)	130 (155)
		Dibromofluoromethane	50	53.4	107		70 (70)	130 (134)
		Toluene-d8	50	53.7	107		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.9	106		70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1987

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022210.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0512SBS01	Chloromethane	20	23.4	ug/Kg	117			40 (70)	160 (130)	
	Vinyl chloride	20	22.5	ug/Kg	113			70 (72)	130 (129)	
	Bromomethane	20	27.0	ug/Kg	135			40 (58)	160 (141)	
	Chloroethane	20	23.8	ug/Kg	119			40 (69)	160 (130)	
	Tert butyl alcohol	100	93.9	ug/Kg	94			70 (24)	130 (175)	
	1,1-Dichloroethene	20	20.1	ug/Kg	101			70 (79)	130 (121)	
	Acetone	100	87.6	ug/Kg	88			40 (60)	160 (131)	
	Carbon disulfide	20	19.8	ug/Kg	99			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96			70 (77)	130 (129)	
	Methylene Chloride	20	21.4	ug/Kg	107			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			70 (80)	130 (123)	
	1,1-Dichloroethane	20	22.0	ug/Kg	110			70 (82)	130 (123)	
	2-Butanone	100	94.4	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	Chloroform	20	21.8	ug/Kg	109			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Benzene	20	21.4	ug/Kg	107			70 (84)	130 (121)	
	1,2-Dichloroethane	20	21.6	ug/Kg	108			70 (81)	130 (126)	
	Trichloroethene	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	22.4	ug/Kg	112			70 (83)	130 (122)	
	Bromodichloromethane	20	21.8	ug/Kg	109			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	21.7	ug/Kg	109			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	21.3	ug/Kg	106			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	21.1	ug/Kg	106			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			70 (82)	130 (125)	
	2-Hexanone	100	97.6	ug/Kg	98			40 (66)	160 (138)	
	Dibromochloromethane	20	20.7	ug/Kg	104			70 (79)	130 (125)	
	Tetrachloroethene	20	21.8	ug/Kg	109			70 (83)	130 (125)	
	Chlorobenzene	20	20.8	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	20.3	ug/Kg	102			70 (82)	130 (124)	
	m/p-Xylenes	40	42.2	ug/Kg	106			70 (83)	130 (124)	
	o-Xylene	20	20.2	ug/Kg	101			70 (83)	130 (123)	
	Styrene	20	20.6	ug/Kg	103			70 (82)	130 (124)	
	Bromoform	20	20.0	ug/Kg	100			70 (75)	130 (127)	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99			70 (77)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1987

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022211.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0512SBSD01	Chloromethane	20	23.2	ug/Kg	116	1		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	22.5	ug/Kg	113	0		70 (72)	130 (129)	30 (20)
	Bromomethane	20	28.5	ug/Kg	143	6		40 (58)	160 (141)	30 (20)
	Chloroethane	20	25.1	ug/Kg	126	6		40 (69)	160 (130)	30 (20)
	Tert butyl alcohol	100	110	ug/Kg	110	16		70 (24)	130 (175)	30 (20)
	1,1-Dichloroethene	20	20.6	ug/Kg	103	2		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	22		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.9	ug/Kg	100	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	20.9	ug/Kg	104	8		70 (77)	130 (129)	30 (20)
	Methylene Chloride	20	21.3	ug/Kg	106	1		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	22.5	ug/Kg	113	3		70 (82)	130 (123)	30 (20)
	2-Butanone	100	110	ug/Kg	110	16		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	22.2	ug/Kg	111	5		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106	2		70 (82)	130 (123)	30 (20)
	Chloroform	20	22.6	ug/Kg	113	4		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.7	ug/Kg	109	3		70 (80)	130 (126)	30 (20)
	Benzene	20	22.0	ug/Kg	110	3		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	22.5	ug/Kg	113	5		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.4	ug/Kg	107	3		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	22.7	ug/Kg	114	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	22.8	ug/Kg	114	4		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		40 (70)	160 (135)	30 (20)
	Toluene	20	22.2	ug/Kg	111	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	22.1	ug/Kg	111	5		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.2	ug/Kg	111	6		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	12		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	22.7	ug/Kg	114	9		70 (79)	130 (125)	30 (20)
	Tetrachloroethene	20	22.4	ug/Kg	112	3		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.5	ug/Kg	108	4		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.6	ug/Kg	103	1		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.7	ug/Kg	107	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.5	ug/Kg	103	2		70 (83)	130 (123)	30 (20)
	Styrene	20	21.0	ug/Kg	105	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	22.2	ug/Kg	111	10		70 (75)	130 (127)	30 (20)
	1,1,2,2-Tetrachloroethane	20	22.7	ug/Kg	114	14		70 (77)	130 (127)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0512SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022209.D Lab Sample ID: VY0512SBL01

Date Analyzed: 05/12/2025 Time Analyzed: 08:57

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
VY0512SBS01	VY0512SBS01	VY022210.D	05/12/2025
VY0512SBSD01	VY0512SBSD01	VY022211.D	05/12/2025
GC1	Q1987-01	VY022230.D	05/12/2025

COMMENTS:

Raw Data: **VY021952.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

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: **VY022207.D**

Alliance TECHNICAL GROUP
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022207.D BFB Injection Date: 05/12/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:56

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	17
75	30.0 - 60.0% of mass 95	49.3
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 (1.6) 1
174	50.0 - 100.0% of mass 95	84.5
175	5.0 - 9.0% of mass 174	6.3 (7.4) 1
176	95.0 - 101.0% of mass 174	81.5 (96.4) 1
177	5.0 - 9.0% of mass 176	5.2 (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	VY022208.D	05/12/2025	08:26
VY0512SBL01	VY0512SBL01	VY022209.D	05/12/2025	08:57
VY0512SBS01	VY0512SBS01	VY022210.D	05/12/2025	09:28
VY0512SBSD01	VY0512SBSD01	VY022211.D	05/12/2025	09:51
GC1	Q1987-01	VY022230.D	05/12/2025	17:19

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022208.D Date Analyzed: 05/12/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:26

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	232841	7.71	342821	8.62	319177	11.42
UPPER LIMIT	465682	8.207	685642	9.115	638354	11.92
LOWER LIMIT	116421	7.207	171411	8.115	159589	10.92
EPA SAMPLE NO.						
GC1	139918	7.71	261915	8.62	235241	11.41
VY0512SBL01	193895	7.71	329289	8.62	290502	11.42
VY0512SBS01	216652	7.71	334827	8.62	309772	11.42
VY0512SBSD01	216263	7.71	338089	8.62	309790	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.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022208.D Date Analyzed: 05/12/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:26

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

	IS4 AREA #	RT #				
12 HOUR STD	176689	13.346				
UPPER LIMIT	353378	13.846				
LOWER LIMIT	88344.5	12.846				
EPA SAMPLE NO.						
GC1	98718	13.35				
VY0512SBL01	128920	13.35				
VY0512SBS01	169523	13.35				
VY0512SBSD01	162833	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: **VY022230.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	05/07/25
Project:	Hillside	Date Received:	05/08/25
Client Sample ID:	GC1	SDG No.:	Q1987
Lab Sample ID:	Q1987-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
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
VY022230.D	1		05/12/25 17:19	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.30	U	1.30	5.80	ug/Kg
75-01-4	Vinyl Chloride	0.91	U	0.91	5.80	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.80	ug/Kg
75-00-3	Chloroethane	1.50	U	1.50	5.80	ug/Kg
75-65-0	Tert butyl alcohol	15.8	U	15.8	28.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	5.80	ug/Kg
67-64-1	Acetone	5.50	U	5.50	28.9	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.84	U	0.84	5.80	ug/Kg
75-09-2	Methylene Chloride	4.10	U	4.10	11.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.99	U	0.99	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.92	U	0.92	5.80	ug/Kg
78-93-3	2-Butanone	7.60	U	7.60	28.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.87	U	0.87	5.80	ug/Kg
67-66-3	Chloroform	0.97	U	0.97	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	5.80	ug/Kg
71-43-2	Benzene	0.91	U	0.91	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.91	U	0.91	5.80	ug/Kg
79-01-6	Trichloroethene	0.94	U	0.94	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	5.80	ug/Kg
75-27-4	Bromodichloromethane	0.90	U	0.90	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	28.9	ug/Kg
108-88-3	Toluene	0.90	U	0.90	5.80	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.75	U	0.75	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.72	U	0.72	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	5.80	ug/Kg
591-78-6	2-Hexanone	4.30	U	4.30	28.9	ug/Kg
124-48-1	Dibromochloromethane	1.00	U	1.00	5.80	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.80	ug/Kg

Raw Data: **VY022230.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:	05/07/25
Project:	Hillside	Date Received:	05/08/25
Client Sample ID:	GC1	SDG No.:	Q1987
Lab Sample ID:	Q1987-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
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
VY022230.D	1		05/12/25 17:19	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	1.10	U	1.10	5.80	ug/Kg
100-41-4	Ethyl Benzene	0.77	U	0.77	5.80	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.5	ug/Kg
95-47-6	o-Xylene	0.95	U	0.95	5.80	ug/Kg
100-42-5	Styrene	0.82	U	0.82	5.80	ug/Kg
75-25-2	Bromoform	0.99	U	0.99	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	5.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.5	*	70 (63) - 130 (155)	131%	SPK: 50
1868-53-7	Dibromofluoromethane	58.3		70 (70) - 130 (134)	117%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		70 (38) - 130 (136)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	7.707			
540-36-3	1,4-Difluorobenzene	262000	8.616			
3114-55-4	Chlorobenzene-d5	235000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	98700	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						
000128-37-0	Butylated Hydroxytoluene	6.60	J		14.0	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Time: May 13 02:24:05 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

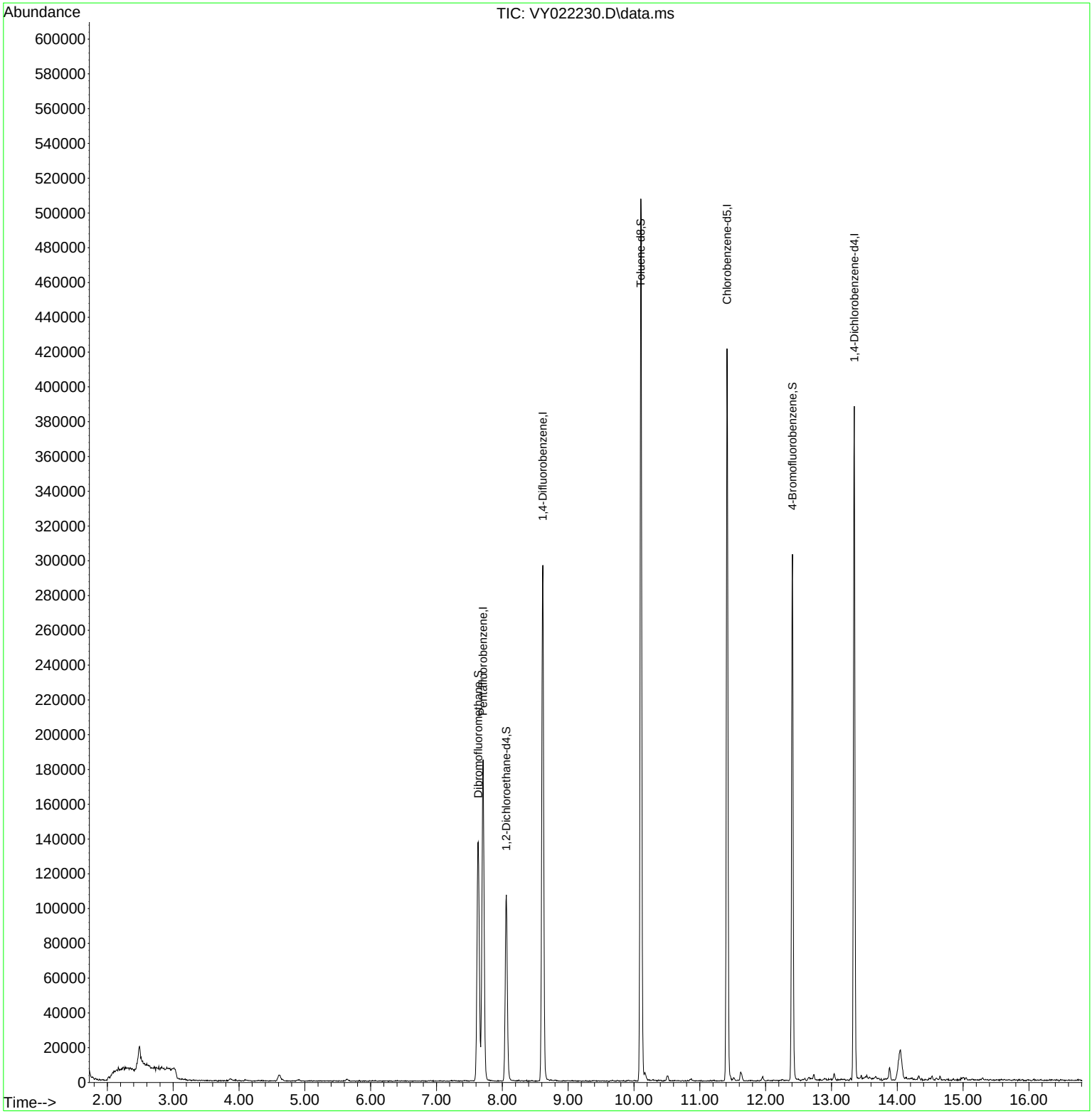
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	139918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	235241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	98718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84641	65.491	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.980%			
35) Dibromofluoromethane	7.634	113	100873	58.296	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.600%			
50) Toluene-d8	10.103	98	339991	52.119	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.408	95	92585	42.160	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.320%			
Target Compounds						Qvalue

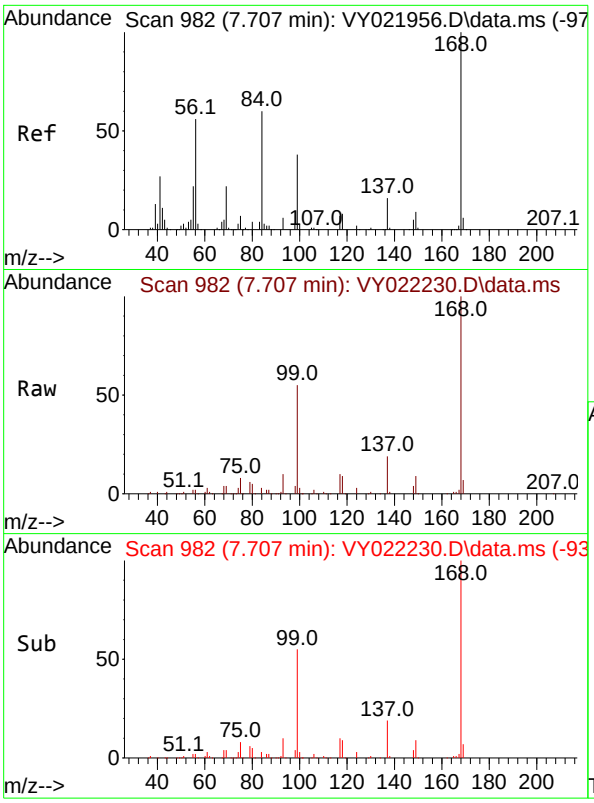
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Time: May 13 02:24:05 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



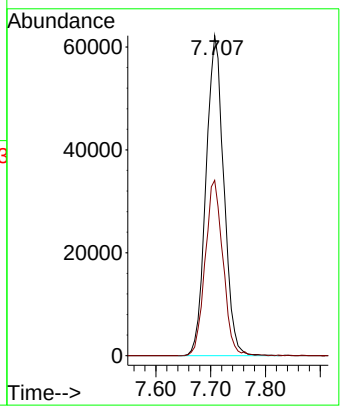


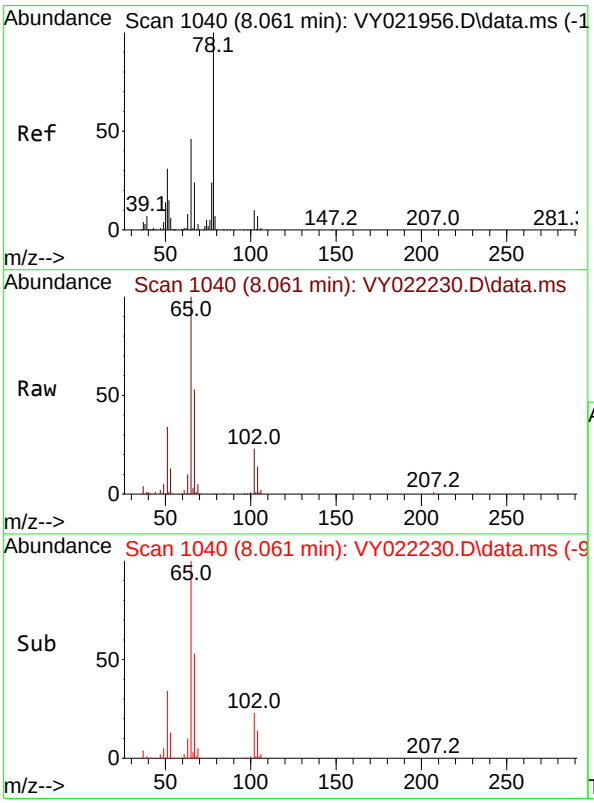
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion:168 Resp: 139918

Ion	Ratio	Lower	Upper
168	100		
99	54.8	43.1	64.7

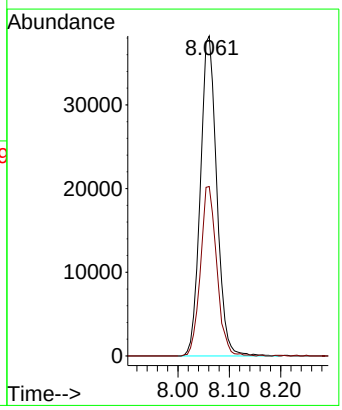


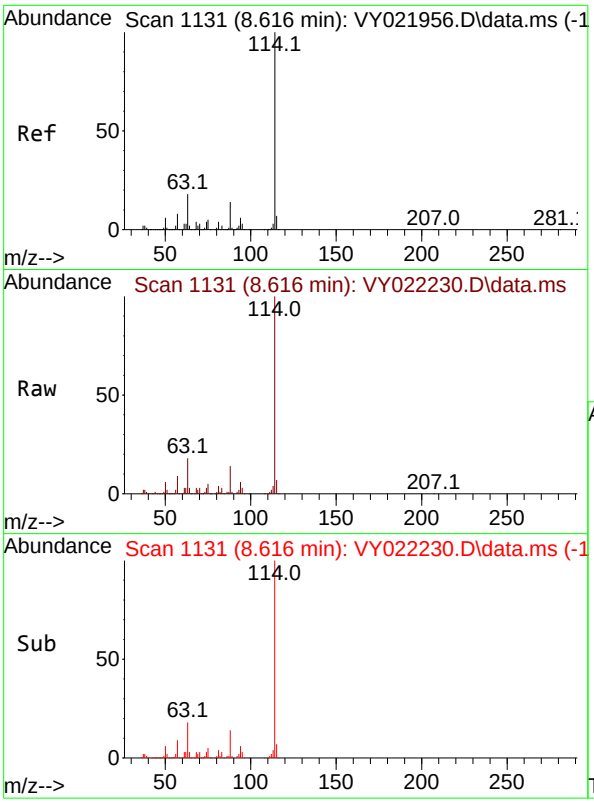


#33
1,2-Dichloroethane-d4
Concen: 65.491 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 65 Resp: 84641

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.8



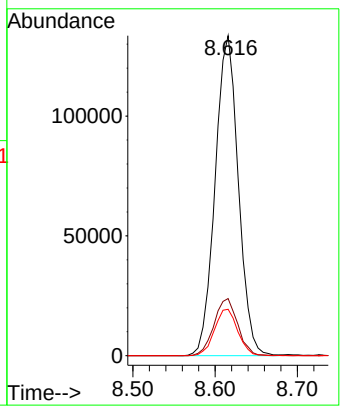


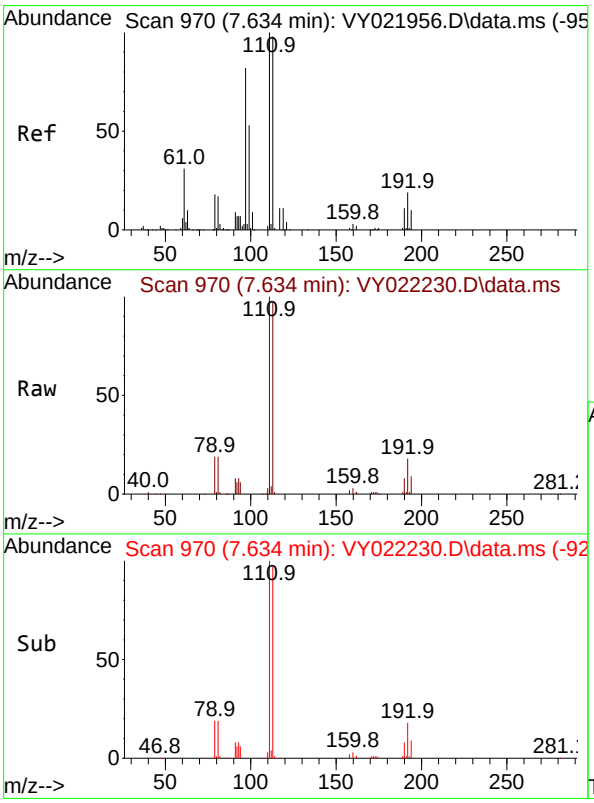
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion:114 Resp: 261915

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.4
88	14.5	0.0	28.2

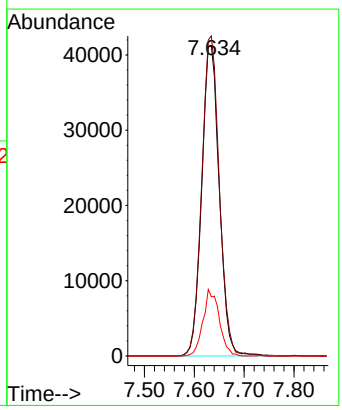


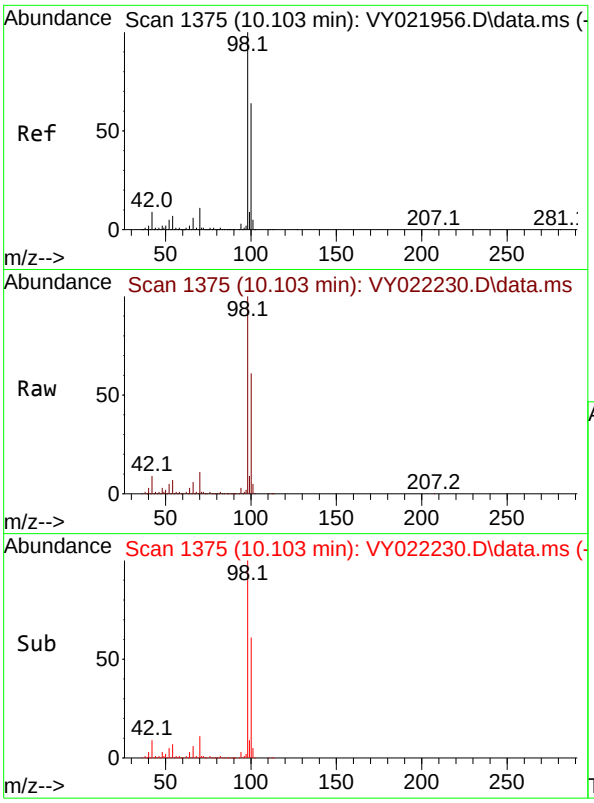


#35
Dibromofluoromethane
Concen: 58.296 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion:113 Resp: 100873

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	19.8	15.6	23.4



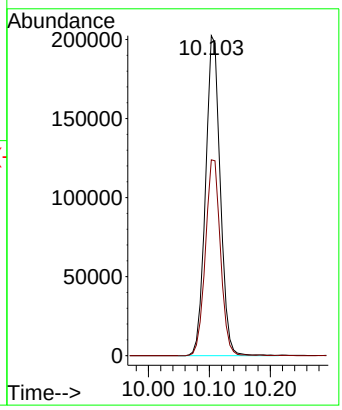


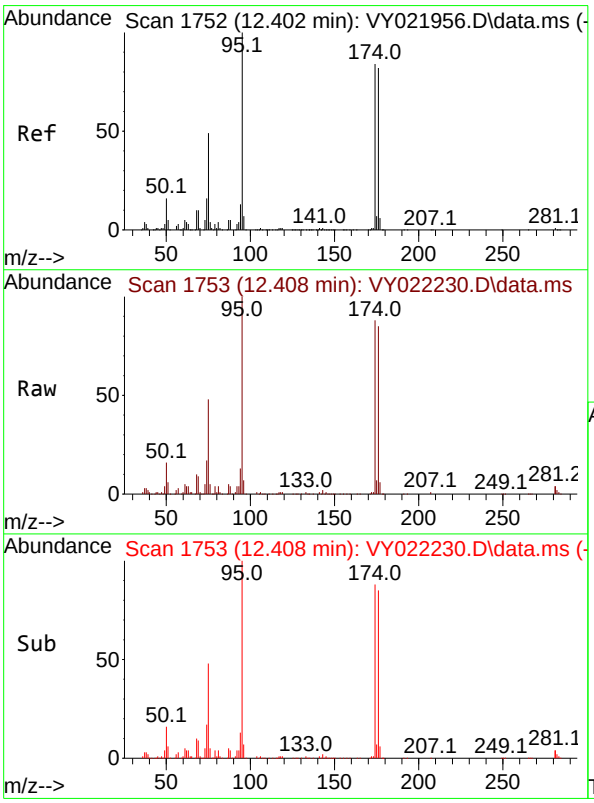
#50
Toluene-d8
Concen: 52.119 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion: 98 Resp: 339991

Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.6	77.4

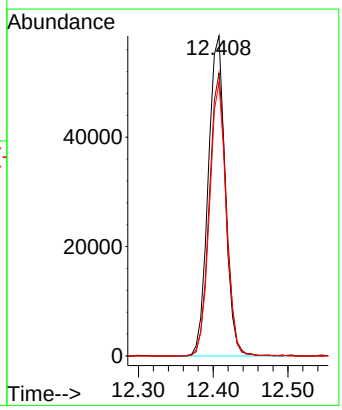


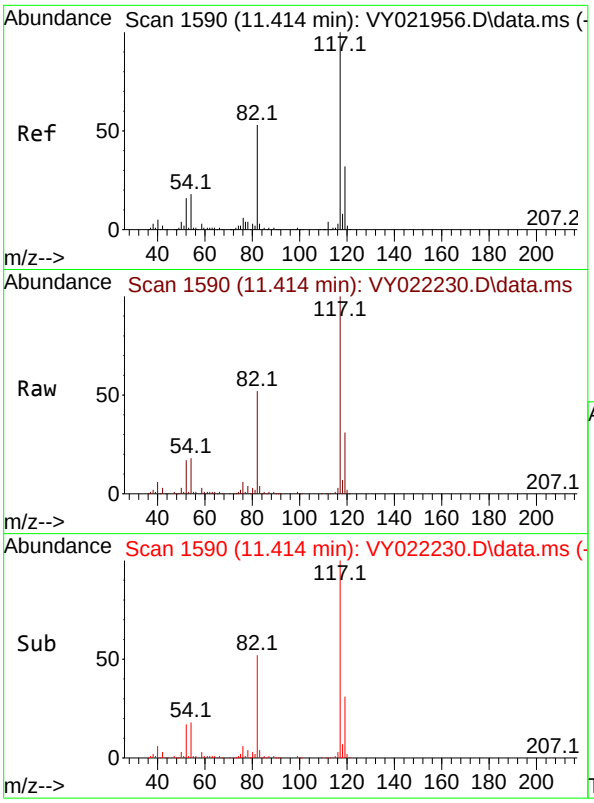


#62
4-Bromofluorobenzene
Concen: 42.160 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 95 Resp: 92585

Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	179.0
176	83.7	0.0	171.8



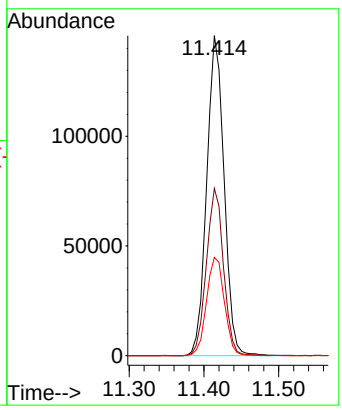


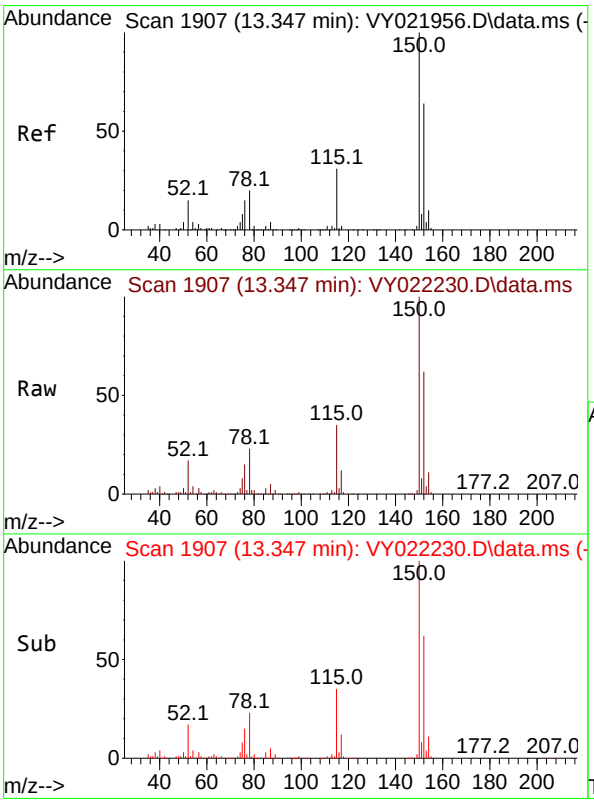
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion:117 Resp: 235241

Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.1	63.1
119	30.7	25.7	38.5

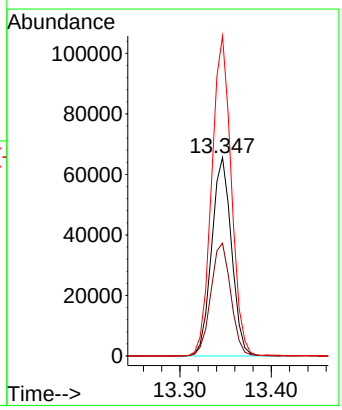




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion:152 Resp: 98718

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.0	84.0
150	159.3	0.0	345.6



Sample Results: **VY022230.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

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: VY022230.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	117	126	132	rBV8	12982	39462	4.56%	0.902%
2	4.610	468	474	480	rBV6	3094	8767	1.01%	0.200%
3	7.634	959	970	976	rBV	137423	338265	39.10%	7.735%
4	7.707	976	982	994	rVB	184338	416502	48.14%	9.524%
5	8.061	1030	1040	1055	rBV	107177	240768	27.83%	5.505%
6	8.616	1123	1131	1142	rBV	296422	595664	68.85%	13.620%
7	10.103	1367	1375	1383	rBV	507381	865154	100.00%	19.783%
8	11.414	1582	1590	1602	rBV	421058	686412	79.34%	15.695%
9	11.621	1620	1624	1632	rVB4	5043	10365	1.20%	0.237%
10	12.408	1743	1753	1763	rBV	302807	497876	57.55%	11.384%
11	13.347	1900	1907	1918	rBV	387448	593195	68.57%	13.564%
12	13.883	1990	1995	2001	rVB3	7465	12977	1.50%	0.297%
13	14.048	2008	2022	2032	rBV5	17464	67903	7.85%	1.553%

Sum of corrected areas: 4373310

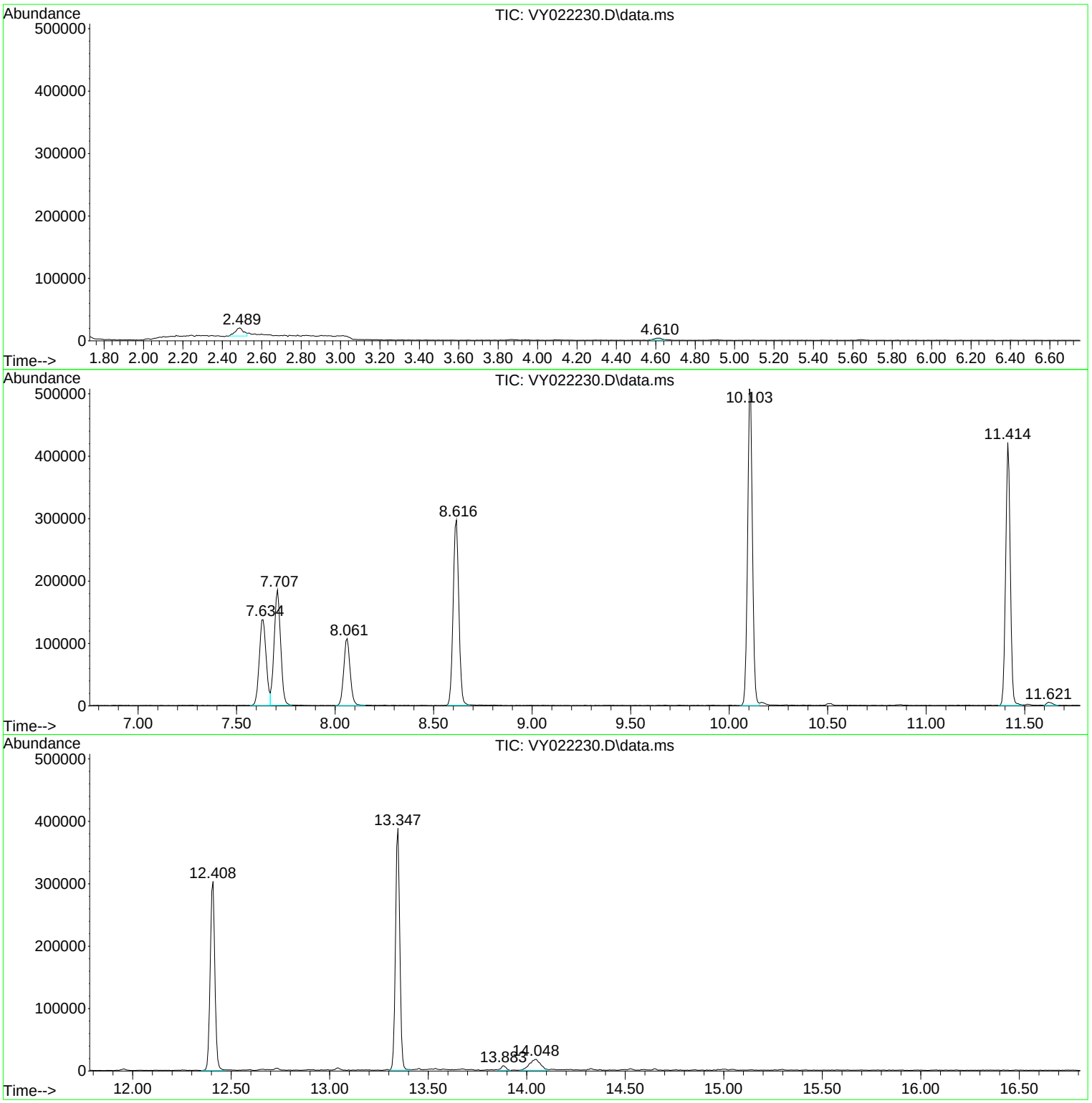
Sample Results: **VY022230.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

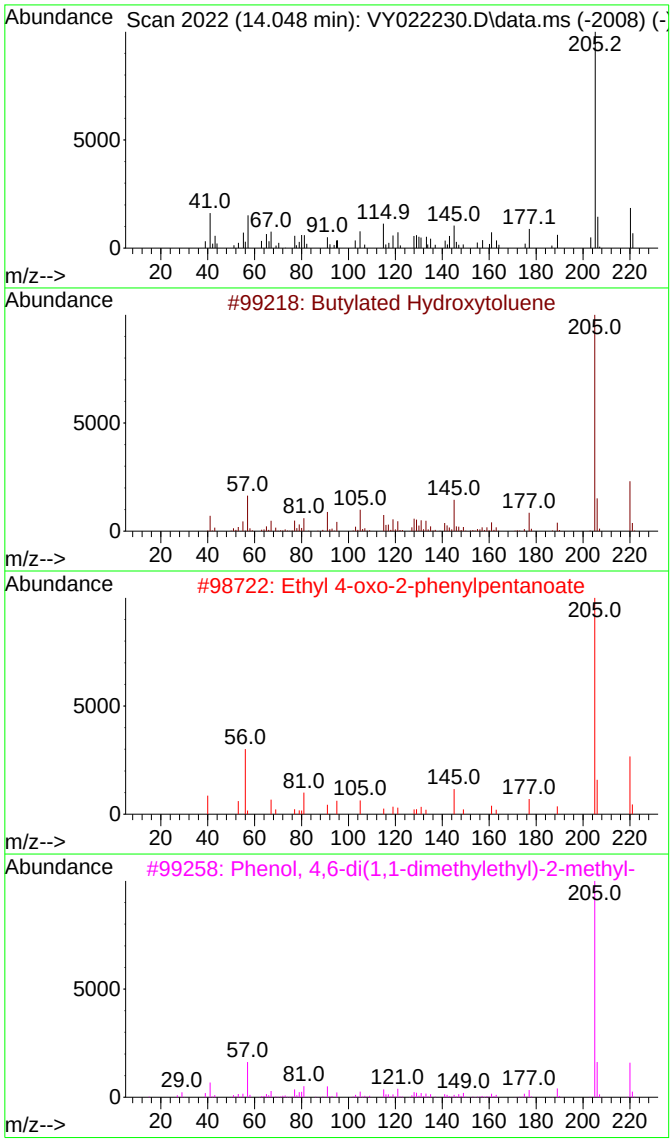
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

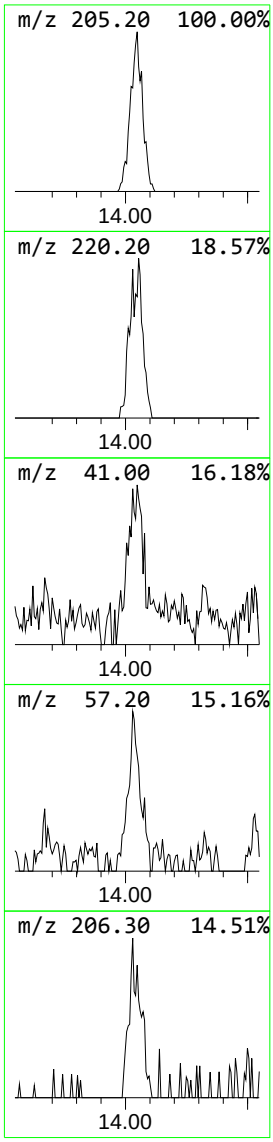
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butylated Hydroxytoluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.048	5.72 ug/l	67903	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	95
2	Ethyl 4-oxo-2-phenylpentanoate	220	C13H16O3	1000427-11-2	81
3	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	74
4	6-Methyl-1H,6H,7H-pyrrolo[2,3-c]...	220	C11H16N2OSi	1000504-47-6	72
5	Phenol, 2,6-bis(1,1-dimethylethy...	277	C17H27NO2	001918-11-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

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
Butylated Hydro...	14.048	5.7	ug/l	67903	4	13.347	593195	50.0

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.: Q1987 SAS No.: Q1987 SDG No.: Q1987

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.: Q1987 SAS No.: Q1987 SDG No.: Q1987

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

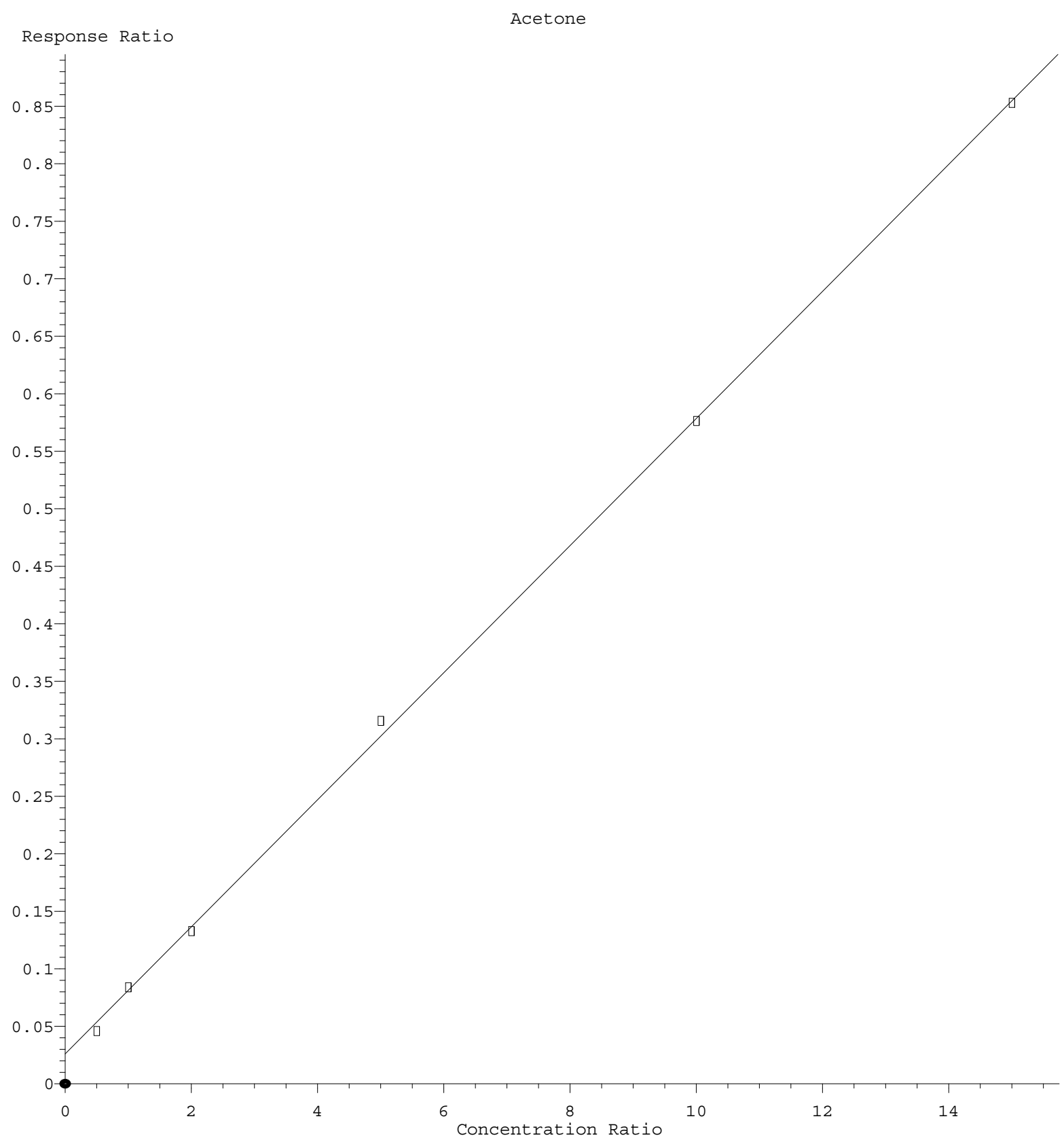
Calibration Files
5 =VY021953.D 10 =VY021954.D 20 =VY021955.D 50 =VY021956.D 100 =VY021957.D 150 =VY021958.D

		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

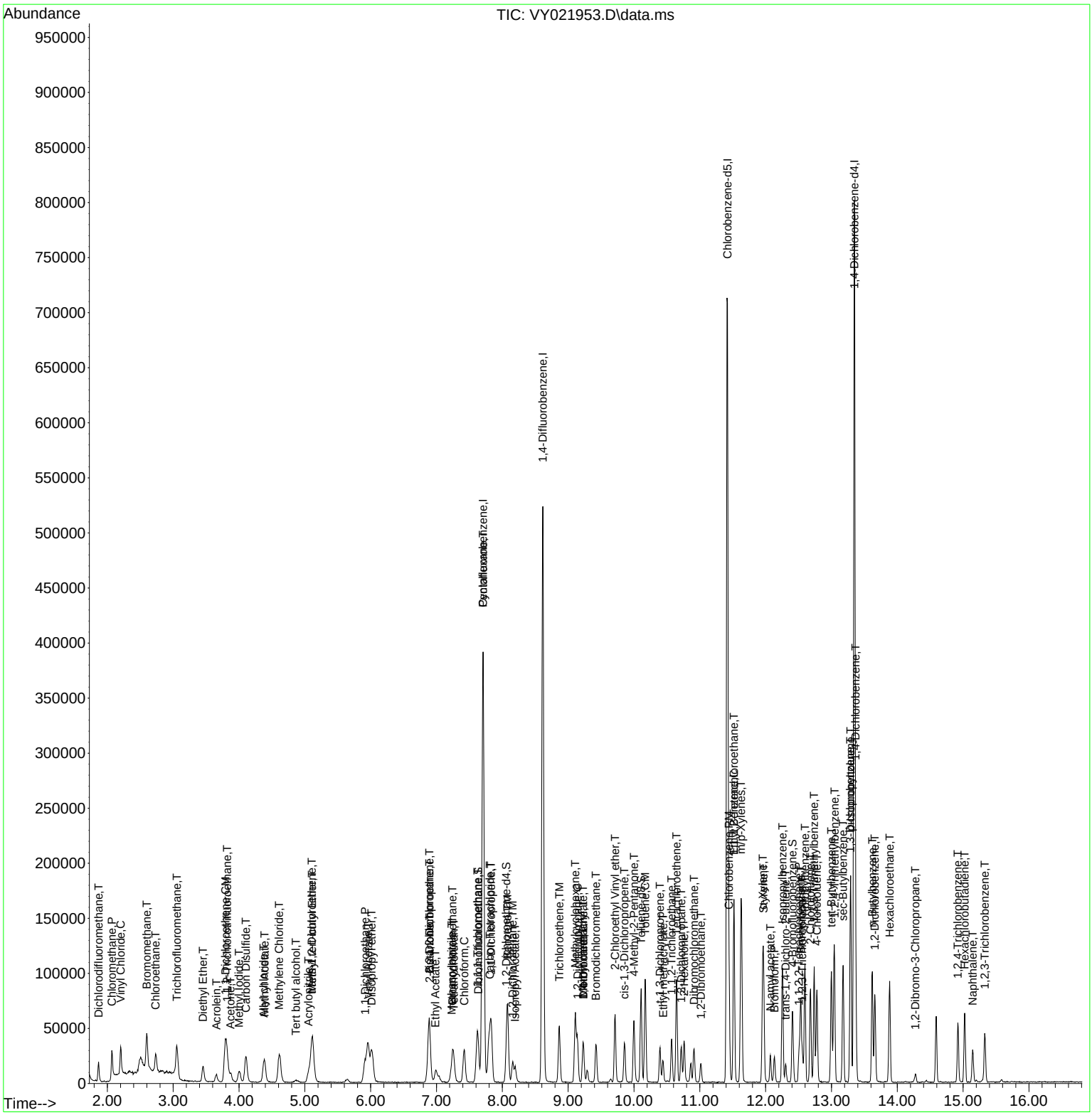
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

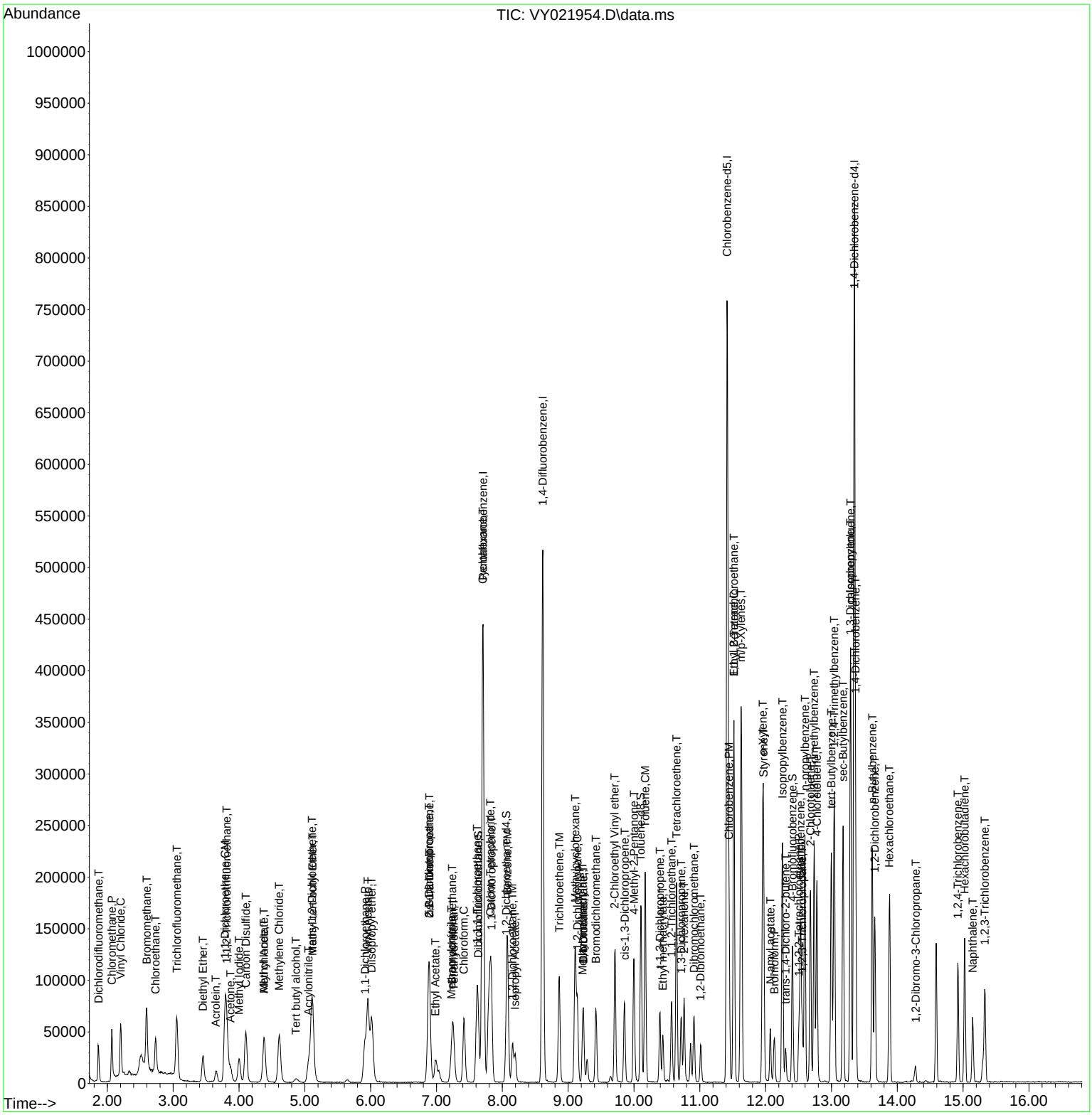
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

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

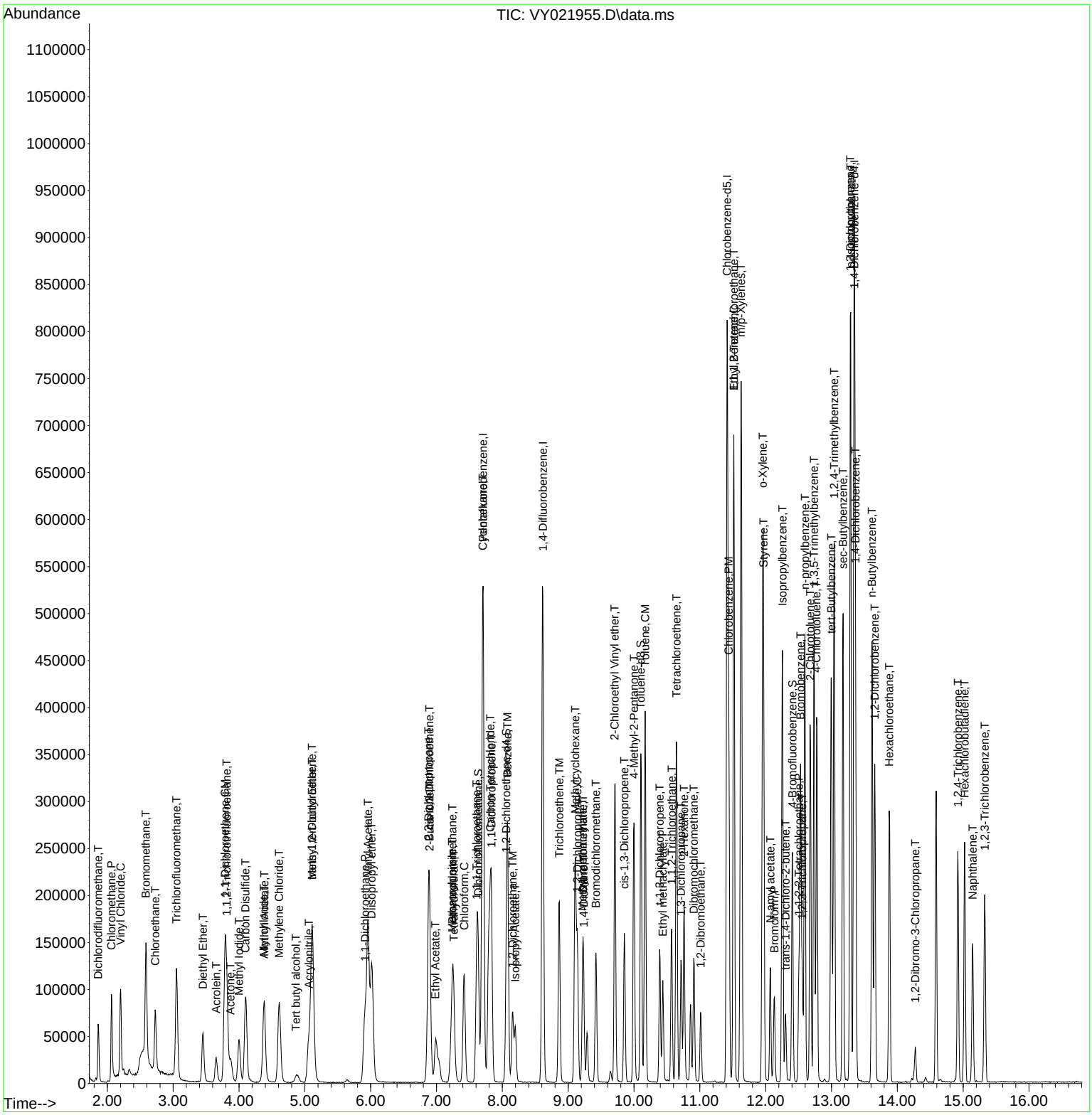
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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

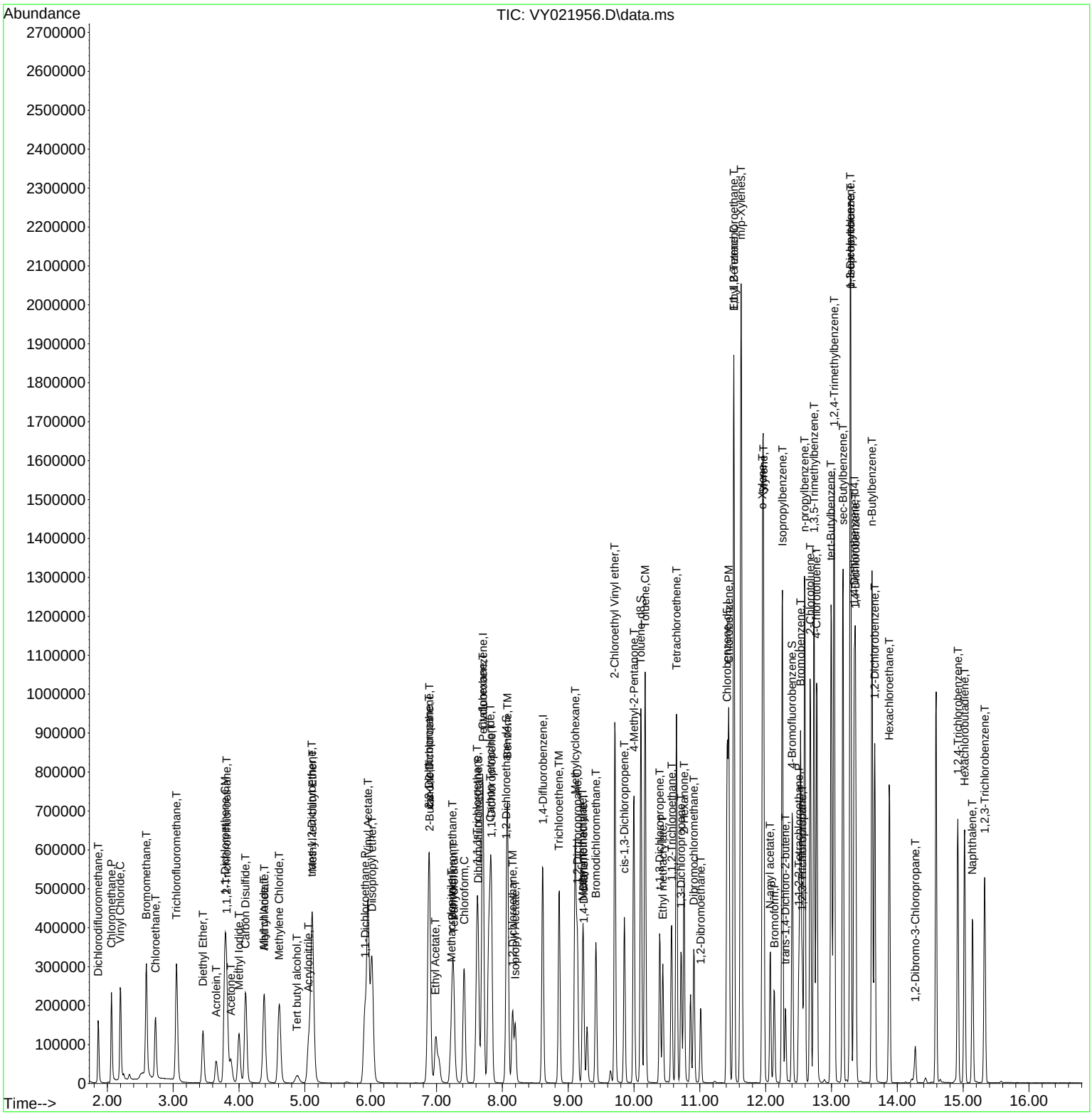
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

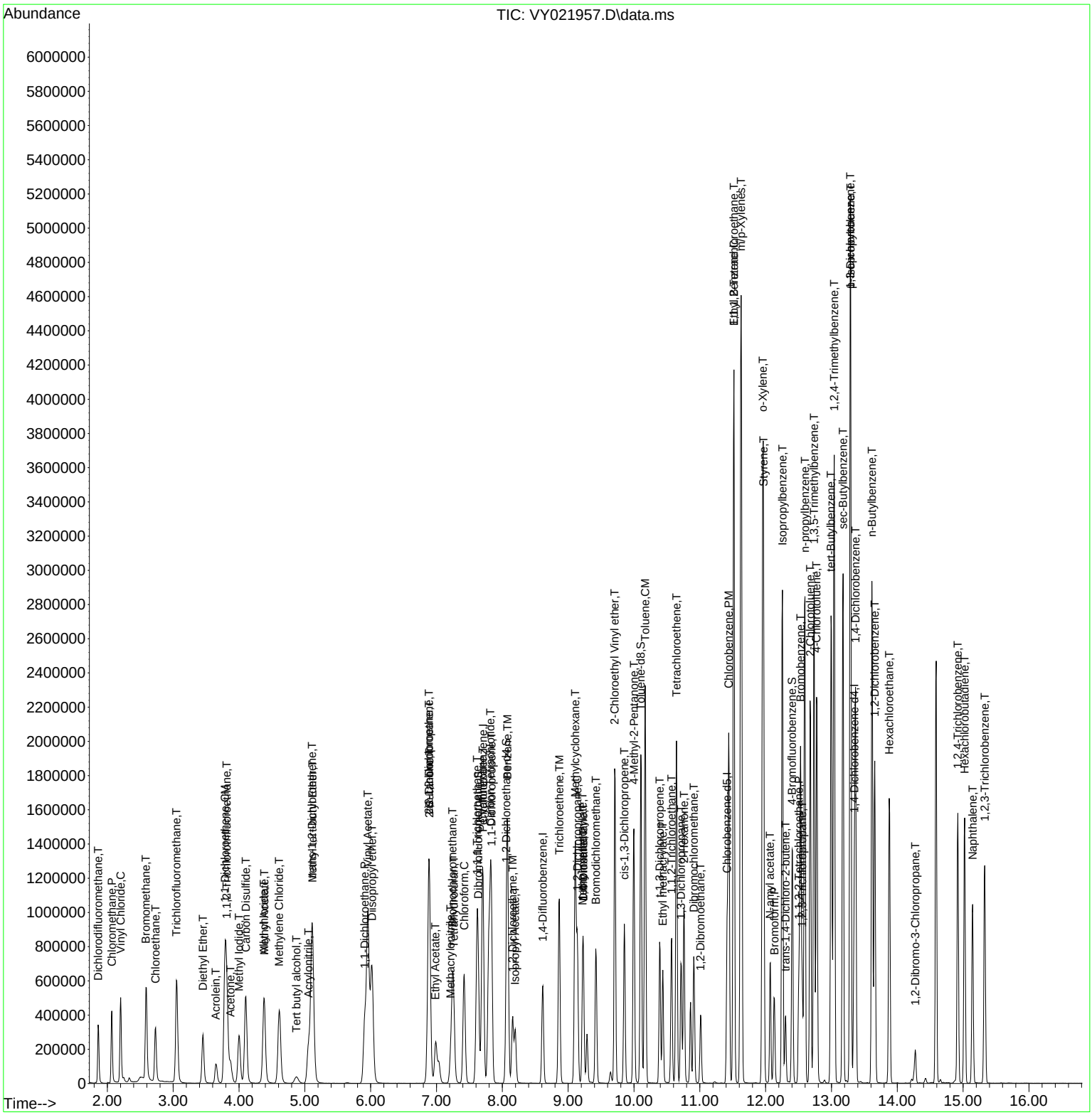
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

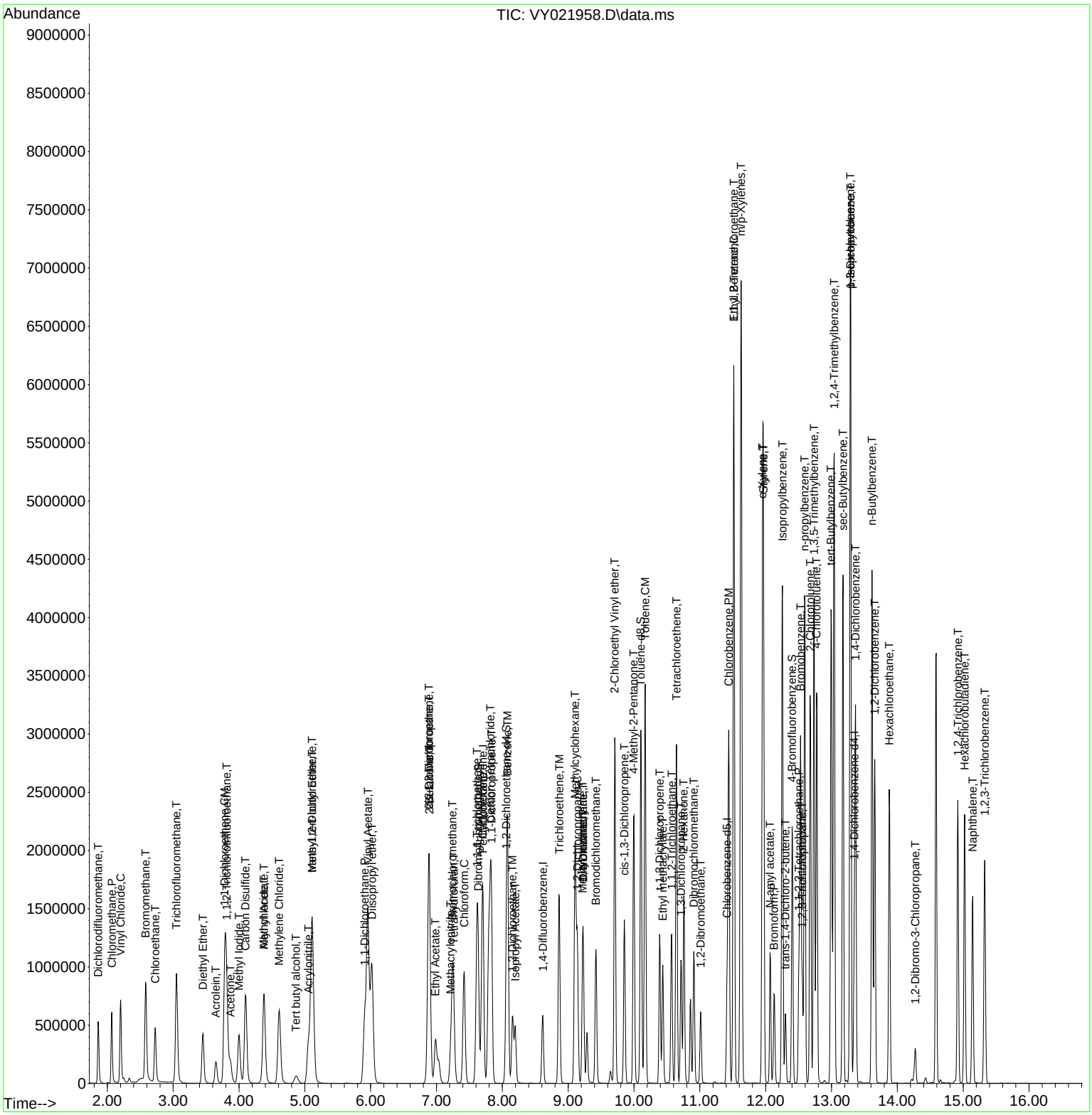
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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: **VY022208.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.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Instrument ID: MSVOA_Y Calibration Date/Time: 05/12/2025 08:26

Lab File ID: VY022208.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	0.540	0.1	-11.04	20
Vinyl Chloride	0.745	0.725		-2.68	20
Bromomethane	0.642	0.556		-13.4	20
Chloroethane	0.508	0.512		0.79	20
Tert butyl alcohol	0.025	0.022		-12	20
1,1-Dichloroethene	0.497	0.472		-5.03	20
Acetone	0.070	0.064		-8.57	20
Carbon Disulfide	1.585	1.449		-8.58	20
Methyl tert-butyl Ether	1.113	1.089		-2.16	20
Methylene Chloride	0.584	0.542		-7.19	20
trans-1,2-Dichloroethene	0.557	0.550		-1.26	20
1,1-Dichloroethane	0.893	0.921	0.1	3.13	20
2-Butanone	0.105	0.102		-2.86	20
Carbon Tetrachloride	0.530	0.587		10.76	20
cis-1,2-Dichloroethene	0.622	0.625		0.48	20
Chloroform	0.990	1.025		3.54	20
1,1,1-Trichloroethane	0.896	0.927		3.46	20
Benzene	1.387	1.497		7.93	20
1,2-Dichloroethane	0.343	0.372		8.45	20
Trichloroethene	0.384	0.403		4.95	20
1,2-Dichloropropane	0.307	0.343		11.73	20
Bromodichloromethane	0.480	0.533		11.04	20
4-Methyl-2-Pentanone	0.160	0.175		9.38	20
Toluene	0.898	1.011		12.58	20
t-1,3-Dichloropropene	0.411	0.443		7.79	20
cis-1,3-Dichloropropene	0.489	0.535		9.41	20
1,1,2-Trichloroethane	0.256	0.273		6.64	20
2-Hexanone	0.106	0.114		7.55	20
Dibromochloromethane	0.355	0.383		7.89	20
Tetrachloroethene	0.472	0.488		3.39	20
Chlorobenzene	1.118	1.194	0.3	6.8	20
Ethyl Benzene	1.829	2.027		10.83	20
m/p-Xylenes	0.728	0.816		12.09	20
o-Xylene	0.671	0.747		11.33	20
Styrene	1.126	1.288		14.39	20
Bromoform	0.229	0.241	0.1	5.24	20
1,1,2,2-Tetrachloroethane	0.563	0.567	0.3	0.71	20
1,2-Dichloroethane-d4	0.462	0.442		-4.33	20

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

Raw Data: **VY022208.D**

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.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Instrument ID: MSVOA_Y Calibration Date/Time: 05/12/2025 08:26

Lab File ID: VY022208.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	0.337		2.12	20
Toluene-d8	1.245	1.296		4.1	20
4-Bromofluorobenzene	0.419	0.438		4.53	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\VY051225\
Data File : VY022208.D
Acq On : 12 May 2025 08:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 02:13:45 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 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	232841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	342821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	319177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102850	47.821	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.640%			
35) Dibromofluoromethane	7.634	113	115429	50.965	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.940%			
50) Toluene-d8	10.109	98	444190	52.022	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.040%			
62) 4-Bromofluorobenzene	12.407	95	150152	52.238	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	85958	43.325	ug/l	98
3) Chloromethane	2.068	50	125781	44.523	ug/l	97
4) Vinyl Chloride	2.202	62	168837	48.634	ug/l	99
5) Bromomethane	2.598	94	129535	43.309	ug/l	100
6) Chloroethane	2.738	64	119213	50.422	ug/l	100
7) Trichlorofluoromethane	3.055	101	216013	47.187	ug/l	100
8) Diethyl Ether	3.452	74	54445	45.694	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	124918	50.303	ug/l	99
10) Methyl Iodide	4.000	142	143576	49.936	ug/l	98
11) Tert butyl alcohol	4.860	59	26088	220.949	ug/l	99
12) 1,1-Dichloroethene	3.793	96	110000	47.522	ug/l	98
13) Acrolein	3.653	56	11369	53.648	ug/l	93
14) Allyl chloride	4.385	41	138379	51.343	ug/l	97
15) Acrylonitrile	5.061	53	103963	238.339	ug/l	98
16) Acetone	3.872	43	74958	267.790	ug/l	94
17) Carbon Disulfide	4.104	76	337490	45.728	ug/l	99
18) Methyl Acetate	4.385	43	57830	57.563	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	253580	48.947	ug/l	99
20) Methylene Chloride	4.616	84	126252	46.424	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	128051	49.397	ug/l	94
22) Diisopropyl ether	6.018	45	322249	53.727	ug/l	98
23) Vinyl Acetate	5.964	43	823801	254.853	ug/l	99
24) 1,1-Dichloroethane	5.915	63	214522	51.599	ug/l	98
25) 2-Butanone	6.896	43	118647	242.016	ug/l	97
26) 2,2-Dichloropropane	6.884	77	195306	53.598	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	145468	50.186	ug/l	97
28) Bromochloromethane	7.244	49	82490	51.082	ug/l	98
29) Tetrahydrofuran	7.262	42	79250	248.897	ug/l	99
30) Chloroform	7.421	83	238601	51.740	ug/l	99
31) Cyclohexane	7.701	56	178841	50.303	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	215820	51.729	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166749	54.810	ug/l	98
37) Ethyl Acetate	6.982	43	54483	49.863	ug/l	98
38) Carbon Tetrachloride	7.817	117	201296	55.372	ug/l	99
39) Methylcyclohexane	9.109	83	207489	54.195	ug/l	96
40) Benzene	8.079	78	513287	53.973	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022208.D
Acq On : 12 May 2025 08:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 02:13:45 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 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	28075	47.003	ug/l	#	82
42) 1,2-Dichloroethane	8.158	62	127444	54.126	ug/l		100
43) Isopropyl Acetate	8.195	43	105256	50.161	ug/l		99
44) Trichloroethene	8.865	130	138185	52.459	ug/l		97
45) 1,2-Dichloropropane	9.140	63	117678	55.954	ug/l		97
46) Dibromomethane	9.231	93	69247	52.598	ug/l		98
47) Bromodichloromethane	9.420	83	182796	55.580	ug/l		96
48) Methyl methacrylate	9.219	41	52631	54.257	ug/l		95
49) 1,4-Dioxane	9.231	88	13873	988.661	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	299793	272.545	ug/l		98
52) Toluene	10.170	92	346566	56.297	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	151949	53.863	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	183317	54.666	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	93666	53.262	ug/l		98
56) Ethyl methacrylate	10.438	69	105300	52.361	ug/l		97
57) 1,3-Dichloropropane	10.719	76	155896	55.297	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	268201	272.765	ug/l		99
59) 2-Hexanone	10.761	43	195254	269.120	ug/l		97
60) Dibromochloromethane	10.914	129	131396	53.967	ug/l		99
61) 1,2-Dibromoethane	11.017	107	87985	52.996	ug/l		99
64) Tetrachloroethene	10.646	164	155716	51.716	ug/l		99
65) Chlorobenzene	11.444	112	381251	53.414	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	136702	54.401	ug/l		99
67) Ethyl Benzene	11.517	91	647066	55.419	ug/l		100
68) m/p-Xylenes	11.627	106	520881	112.111	ug/l		100
69) o-Xylene	11.956	106	238450	55.683	ug/l		100
70) Styrene	11.969	104	411045	57.168	ug/l		99
71) Bromoform	12.133	173	77033	52.728	ug/l	#	99
73) Isopropylbenzene	12.255	105	635730	53.854	ug/l		100
74) N-amyl acetate	12.072	43	99228	48.925	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	100214	50.353	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	77716m	51.351	ug/l		
77) Bromobenzene	12.536	156	152204	51.026	ug/l		98
78) n-propylbenzene	12.596	91	767016	54.561	ug/l		100
79) 2-Chlorotoluene	12.682	91	436335	53.370	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	533502	54.851	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	32109	51.091	ug/l		98
82) 4-Chlorotoluene	12.779	91	455866	53.639	ug/l		100
83) tert-Butylbenzene	12.999	119	473011	54.225	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	529673	54.445	ug/l		100
85) sec-Butylbenzene	13.176	105	703839	55.140	ug/l		100
86) p-Isopropyltoluene	13.291	119	596949	55.074	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	317420	52.394	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	308858	51.475	ug/l		99
89) n-Butylbenzene	13.621	91	528105	54.509	ug/l		99
90) Hexachloroethane	13.877	117	125426	52.668	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	272765	51.620	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14824	46.816	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	146994	49.091	ug/l		99
94) Hexachlorobutadiene	15.023	225	92861	50.405	ug/l		100
95) Naphthalene	15.145	128	233741	46.992	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	127984	49.516	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022208.D
Acq On : 12 May 2025 08:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 02:13:45 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 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

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

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

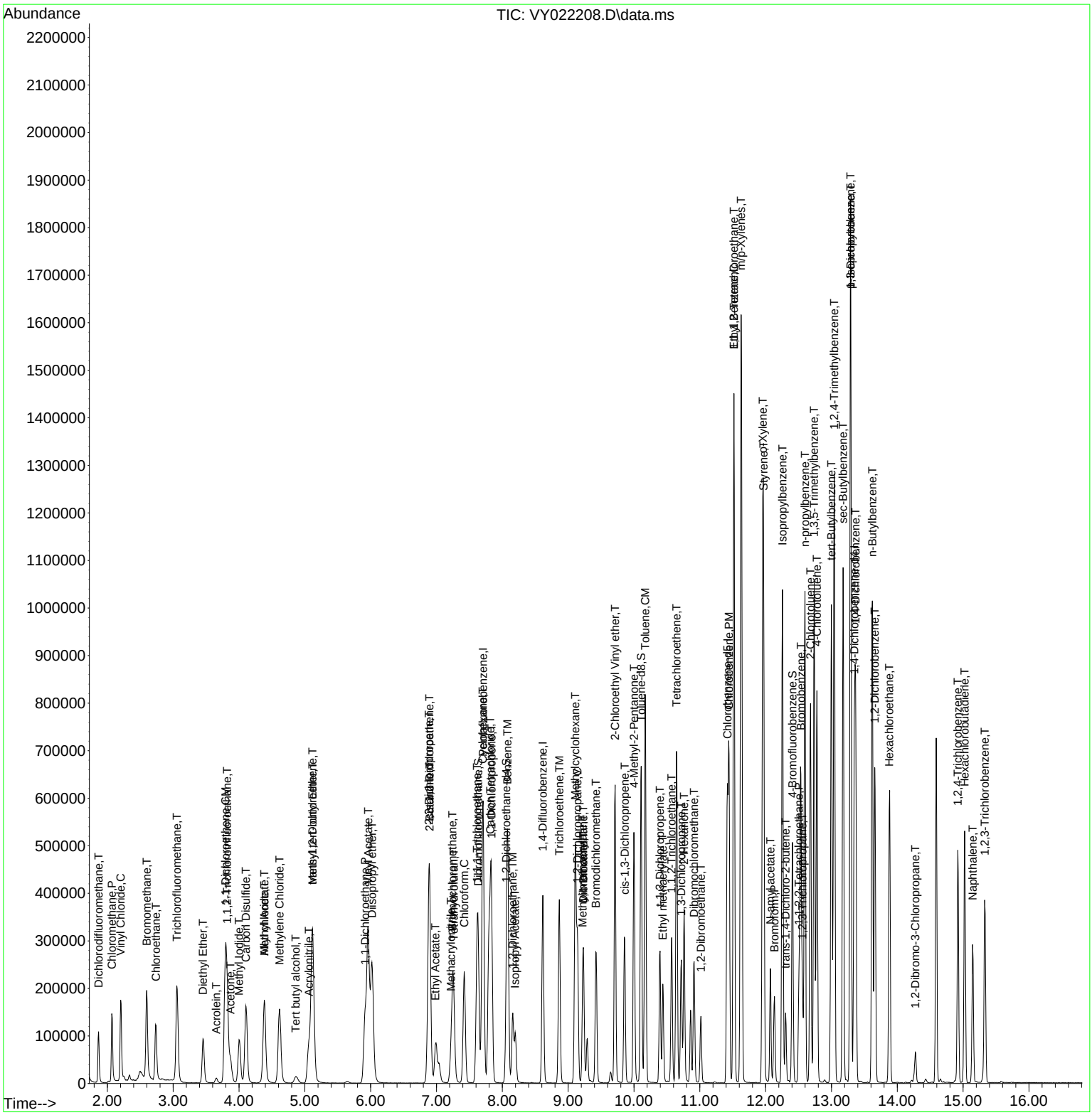
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022208.D
Acq On : 12 May 2025 08:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 02:13:45 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 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025



Sample Results: **VY022208.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022208.D
Acq On : 12 May 2025 08:26
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: May 13 02:13:45 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	72	0.00
2	T	Dichlorodifluoromethane	0.426	0.369	13.4	68	0.00
3	P	Chloromethane	0.607	0.540	11.0	65	0.00
4	C	Vinyl Chloride	0.745	0.725	2.7#	72	0.00
5	T	Bromomethane	0.642	0.556	13.4	68	0.00
6	T	Chloroethane	0.508	0.512	-0.8	75	0.00
7	T	Trichlorofluoromethane	0.983	0.928	5.6	70	0.00
8	T	Diethyl Ether	0.256	0.234	8.6	68	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.536	-0.6	79	0.00
10	T	Methyl Iodide	0.617	0.617	0.0	71	0.00
11	T	Tert butyl alcohol	0.025	0.022	12.0	62	-0.02
12	CM	1,1-Dichloroethene	0.497	0.472	5.0#	73	0.00
13	T	Acrolein	0.046	0.010	78.3#	17#	0.00
14	T	Allyl chloride	0.579	0.594	-2.6	77	0.00
15	T	Acrylonitrile	0.094	0.089	5.3	69	0.00
16	T	Acetone	0.070	0.064	8.6	74	0.00
17	T	Carbon Disulfide	1.585	1.449	8.6	70	0.00
18	T	Methyl Acetate	0.216	0.248	-14.8	81	0.00
19	T	Methyl tert-butyl Ether	1.113	1.089	2.2	70	0.00
20	T	Methylene Chloride	0.584	0.542	7.2	74	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.550	1.3	75	0.01
22	T	Diisopropyl ether	1.288	1.384	-7.5	78	0.00
23	T	Vinyl Acetate	0.694	0.708	-2.0	72	0.00
24	P	1,1-Dichloroethane	0.893	0.921	-3.1	78	0.00
25	T	2-Butanone	0.105	0.102	2.9	70	0.00
26	T	2,2-Dichloropropane	0.782	0.839	-7.3	82	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.625	-0.5	74	0.00
28	T	Bromochloromethane	0.347	0.354	-2.0	75	0.00
29	T	Tetrahydrofuran	0.068	0.068	0.0	68	0.00
30	C	Chloroform	0.990	1.025	-3.5#	78	0.00
31	T	Cyclohexane	0.763	0.768	-0.7	79	0.00
32	T	1,1,1-Trichloroethane	0.896	0.927	-3.5	79	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.442	4.3	69	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	69	0.00
35	S	Dibromofluoromethane	0.330	0.337	-2.1	70	0.00
36	T	1,1-Dichloropropene	0.444	0.486	-9.5	78	0.00
37	T	Ethyl Acetate	0.159	0.159	0.0	68	0.00
38	T	Carbon Tetrachloride	0.530	0.587	-10.8	79	0.00
39	T	Methylcyclohexane	0.558	0.605	-8.4	76	0.00
40	TM	Benzene	1.387	1.497	-7.9	77	0.00
41	T	Methacrylonitrile	0.087	0.082	5.7	61	0.00
42	TM	1,2-Dichloroethane	0.343	0.372	-8.5	76	0.00
43	T	Isopropyl Acetate	0.306	0.307	-0.3	68	0.00
44	TM	Trichloroethene	0.384	0.403	-4.9	75	0.00
45	C	1,2-Dichloropropane	0.307	0.343	-11.7#	79	0.00
46	T	Dibromomethane	0.192	0.202	-5.2	74	0.00
47	T	Bromodichloromethane	0.480	0.533	-11.0	78	0.00
48	T	Methyl methacrylate	0.141	0.154	-9.2	70	0.00

Sample Results: **VY022208.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022208.D
Acq On : 12 May 2025 08:26
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: May 13 02:13:45 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	68	0.00
50	S	Toluene-d8	1.245	1.296	-4.1	70	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.175	-9.4	70	0.00
52	CM	Toluene	0.898	1.011	-12.6#	78	0.00
53	T	t-1,3-Dichloropropene	0.411	0.443	-7.8	73	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.535	-9.4	76	0.00
55	T	1,1,2-Trichloroethane	0.256	0.273	-6.6	73	0.00
56	T	Ethyl methacrylate	0.293	0.307	-4.8	67	0.00
57	T	1,3-Dichloropropane	0.411	0.455	-10.7	76	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.156	-9.1	67	0.00
59	T	2-Hexanone	0.106	0.114	-7.5	68	0.00
60	T	Dibromochloromethane	0.355	0.383	-7.9	75	0.00
61	T	1,2-Dibromoethane	0.242	0.257	-6.2	73	0.00
62	S	4-Bromofluorobenzene	0.419	0.438	-4.5	71	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	70	0.00
64	T	Tetrachloroethene	0.472	0.488	-3.4	75	0.00
65	PM	Chlorobenzene	1.118	1.194	-6.8	77	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.428	-8.6	77	0.00
67	C	Ethyl Benzene	1.829	2.027	-10.8#	77	0.00
68	T	m/p-Xylenes	0.728	0.816	-12.1	77	0.00
69	T	o-Xylene	0.671	0.747	-11.3	76	0.00
70	T	Styrene	1.126	1.288	-14.4	77	0.00
71	P	Bromoform	0.229	0.241	-5.2	73	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	72	0.00
73	T	Isopropylbenzene	3.341	3.598	-7.7	78	0.00
74	T	N-amyl acetate	0.574	0.562	2.1	68	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.567	-0.7	74	0.00
76	T	1,2,3-Trichloropropane	0.428	0.440	-2.8	78	0.00
77	T	Bromobenzene	0.844	0.861	-2.0	75	0.00
78	T	n-propylbenzene	3.978	4.341	-9.1	78	0.00
79	T	2-Chlorotoluene	2.314	2.470	-6.7	78	0.00
80	T	1,3,5-Trimethylbenzene	2.752	3.019	-9.7	77	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.182	-2.2	74	0.00
82	T	4-Chlorotoluene	2.405	2.580	-7.3	78	0.00
83	T	tert-Butylbenzene	2.468	2.677	-8.5	77	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.998	-8.9	77	0.00
85	T	sec-Butylbenzene	3.612	3.983	-10.3	79	0.00
86	T	p-Isopropyltoluene	3.067	3.379	-10.2	78	0.00
87	T	1,3-Dichlorobenzene	1.714	1.796	-4.8	78	0.00
88	T	1,4-Dichlorobenzene	1.698	1.748	-2.9	78	0.00
89	T	n-Butylbenzene	2.742	2.989	-9.0	78	0.00
90	T	Hexachloroethane	0.674	0.710	-5.3	80	0.00
91	T	1,2-Dichlorobenzene	1.495	1.544	-3.3	76	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.084	6.7	72	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.832	1.8	73	0.00
94	T	Hexachlorobutadiene	0.521	0.526	-1.0	79	0.00
95	T	Naphthalene	1.408	1.323	6.0	66	0.00

Sample Results: **VY022208.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022208.D
Acq On : 12 May 2025 08:26
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: May 13 02:13:45 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	0.724	1.0	74	0.00

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

Evaluate Continuing Calibration Report

Sample Results: **VY022208.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022208.D
Acq On : 12 May 2025 08:26
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: May 13 02:13:45 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	72	0.00
2	T	Dichlorodifluoromethane	50.000	43.325	13.3	68	0.00
3	P	Chloromethane	50.000	44.523	11.0	65	0.00
4	C	Vinyl Chloride	50.000	48.634	2.7#	72	0.00
5	T	Bromomethane	50.000	43.309	13.4	68	0.00
6	T	Chloroethane	50.000	50.422	-0.8	75	0.00
7	T	Trichlorofluoromethane	50.000	47.187	5.6	70	0.00
8	T	Diethyl Ether	50.000	45.694	8.6	68	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.303	-0.6	79	0.00
10	T	Methyl Iodide	50.000	49.936	0.1	71	0.00
11	T	Tert butyl alcohol	250.000	220.949	11.6	62	-0.02
12	CM	1,1-Dichloroethene	50.000	47.522	5.0#	73	0.00
13	T	Acrolein	250.000	53.648	78.5#	17	0.00
14	T	Allyl chloride	50.000	51.343	-2.7	77	0.00
15	T	Acrylonitrile	250.000	238.339	4.7	69	0.00
16	T	Acetone	250.000	267.790	-7.1	74	0.00
17	T	Carbon Disulfide	50.000	45.728	8.5	70	0.00
18	T	Methyl Acetate	50.000	57.563	-15.1	81	0.00
19	T	Methyl tert-butyl Ether	50.000	48.947	2.1	70	0.00
20	T	Methylene Chloride	50.000	46.424	7.2	74	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.397	1.2	75	0.01
22	T	Diisopropyl ether	50.000	53.727	-7.5	78	0.00
23	T	Vinyl Acetate	250.000	254.853	-1.9	72	0.00
24	P	1,1-Dichloroethane	50.000	51.599	-3.2	78	0.00
25	T	2-Butanone	250.000	242.016	3.2	70	0.00
26	T	2,2-Dichloropropane	50.000	53.598	-7.2	82	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.186	-0.4	74	0.00
28	T	Bromochloromethane	50.000	51.082	-2.2	75	0.00
29	T	Tetrahydrofuran	250.000	248.897	0.4	68	0.00
30	C	Chloroform	50.000	51.740	-3.5#	78	0.00
31	T	Cyclohexane	50.000	50.303	-0.6	79	0.00
32	T	1,1,1-Trichloroethane	50.000	51.729	-3.5	79	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.821	4.4	69	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	69	0.00
35	S	Dibromofluoromethane	50.000	50.965	-1.9	70	0.00
36	T	1,1-Dichloropropene	50.000	54.810	-9.6	78	0.00
37	T	Ethyl Acetate	50.000	49.863	0.3	68	0.00
38	T	Carbon Tetrachloride	50.000	55.372	-10.7	79	0.00
39	T	Methylcyclohexane	50.000	54.195	-8.4	76	0.00
40	TM	Benzene	50.000	53.973	-7.9	77	0.00
41	T	Methacrylonitrile	50.000	47.003	6.0	61	0.00
42	TM	1,2-Dichloroethane	50.000	54.126	-8.3	76	0.00
43	T	Isopropyl Acetate	50.000	50.161	-0.3	68	0.00
44	TM	Trichloroethene	50.000	52.459	-4.9	75	0.00
45	C	1,2-Dichloropropane	50.000	55.954	-11.9#	79	0.00
46	T	Dibromomethane	50.000	52.598	-5.2	74	0.00
47	T	Bromodichloromethane	50.000	55.580	-11.2	78	0.00
48	T	Methyl methacrylate	50.000	54.257	-8.5	70	0.00

Sample Results: **VY022208.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022208.D
Acq On : 12 May 2025 08:26
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: May 13 02:13:45 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	988.661	1.1	68	0.00
50	S	Toluene-d8	50.000	52.022	-4.0	70	0.00
51	T	4-Methyl-2-Pentanone	250.000	272.545	-9.0	70	0.00
52	CM	Toluene	50.000	56.297	-12.6#	78	0.00
53	T	t-1,3-Dichloropropene	50.000	53.863	-7.7	73	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.666	-9.3	76	0.00
55	T	1,1,2-Trichloroethane	50.000	53.262	-6.5	73	0.00
56	T	Ethyl methacrylate	50.000	52.361	-4.7	67	0.00
57	T	1,3-Dichloropropane	50.000	55.297	-10.6	76	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	272.765	-9.1	67	0.00
59	T	2-Hexanone	250.000	269.120	-7.6	68	0.00
60	T	Dibromochloromethane	50.000	53.967	-7.9	75	0.00
61	T	1,2-Dibromoethane	50.000	52.996	-6.0	73	0.00
62	S	4-Bromofluorobenzene	50.000	52.238	-4.5	71	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	70	0.00
64	T	Tetrachloroethene	50.000	51.716	-3.4	75	0.00
65	PM	Chlorobenzene	50.000	53.414	-6.8	77	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.401	-8.8	77	0.00
67	C	Ethyl Benzene	50.000	55.419	-10.8#	77	0.00
68	T	m/p-Xylenes	100.000	112.111	-12.1	77	0.00
69	T	o-Xylene	50.000	55.683	-11.4	76	0.00
70	T	Styrene	50.000	57.168	-14.3	77	0.00
71	P	Bromoform	50.000	52.728	-5.5	73	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	72	0.00
73	T	Isopropylbenzene	50.000	53.854	-7.7	78	0.00
74	T	N-amyl acetate	50.000	48.925	2.2	68	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.353	-0.7	74	0.00
76	T	1,2,3-Trichloropropane	50.000	51.351	-2.7	78	0.00
77	T	Bromobenzene	50.000	51.026	-2.1	75	0.00
78	T	n-propylbenzene	50.000	54.561	-9.1	78	0.00
79	T	2-Chlorotoluene	50.000	53.370	-6.7	78	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.851	-9.7	77	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.091	-2.2	74	0.00
82	T	4-Chlorotoluene	50.000	53.639	-7.3	78	0.00
83	T	tert-Butylbenzene	50.000	54.225	-8.5	77	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.445	-8.9	77	0.00
85	T	sec-Butylbenzene	50.000	55.140	-10.3	79	0.00
86	T	p-Isopropyltoluene	50.000	55.074	-10.1	78	0.00
87	T	1,3-Dichlorobenzene	50.000	52.394	-4.8	78	0.00
88	T	1,4-Dichlorobenzene	50.000	51.475	-3.0	78	0.00
89	T	n-Butylbenzene	50.000	54.509	-9.0	78	0.00
90	T	Hexachloroethane	50.000	52.668	-5.3	80	0.00
91	T	1,2-Dichlorobenzene	50.000	51.620	-3.2	76	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.816	6.4	72	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.091	1.8	73	0.00
94	T	Hexachlorobutadiene	50.000	50.405	-0.8	79	0.00
95	T	Naphthalene	50.000	46.992	6.0	66	0.00

Sample Results: **VY022208.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022208.D
Acq On : 12 May 2025 08:26
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: May 13 02:13:45 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	49.516	1.0	74	0.00

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

QC SAMPLE DATA

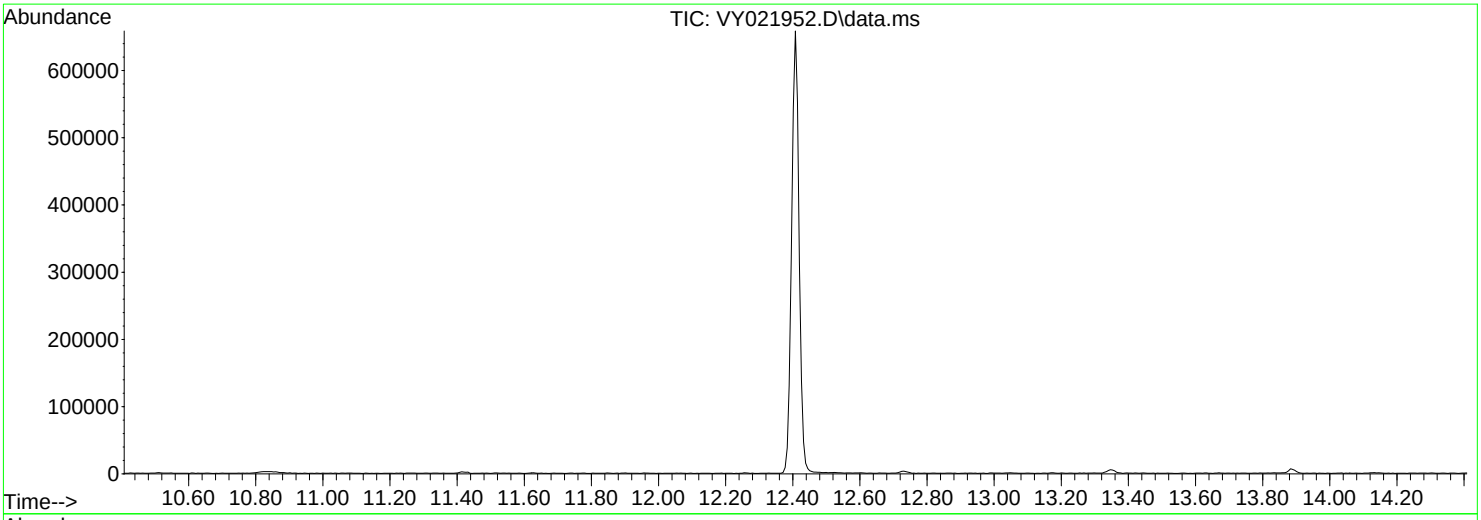
Sample Results: **VY021952.D**

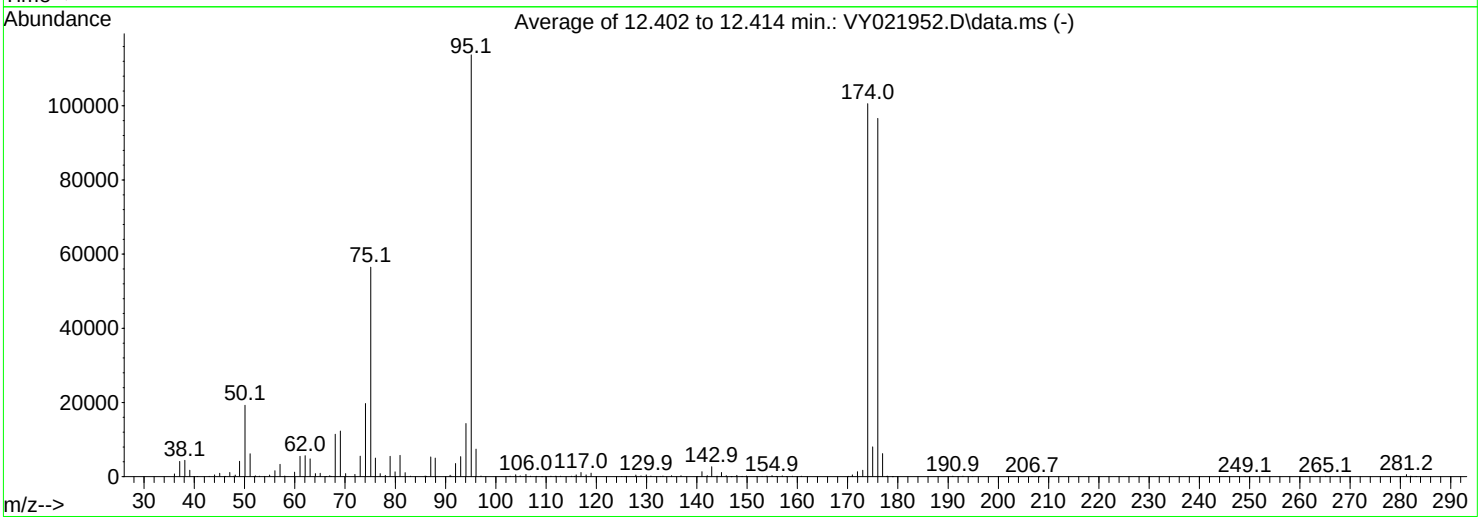
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021952.D
Acq On : 22 Apr 2025 11:33
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

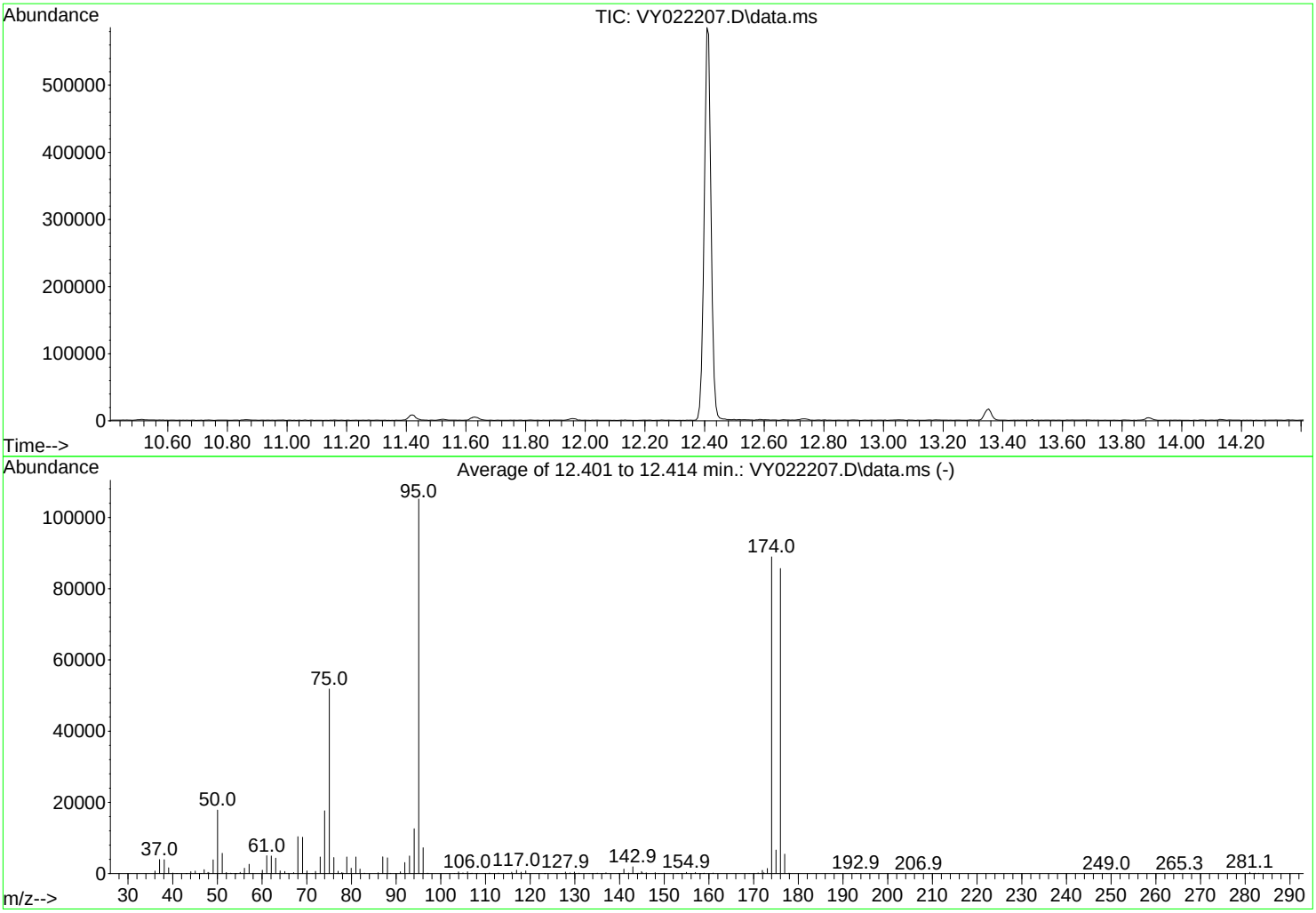
Sample Results: **VY022207.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022207.D
Acq On : 12 May 2025 07:56
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	17.0	17839	PASS
75	95	30	60	49.3	51827	PASS
95	95	100	100	100.0	105195	PASS
96	95	5	9	6.9	7254	PASS
173	174	0.00	2	1.6	1446	PASS
174	95	50	100	84.5	88933	PASS
175	174	5	9	7.4	6621	PASS
176	174	95	101	96.4	85688	PASS
177	176	5	9	6.4	5462	PASS

Raw Data: **VY022209.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:	Hillside	Date Received:	
Client Sample ID:	VY0512SBL01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022209.D	1		05/12/25 08:57	VY051225

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: **VY022209.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:	Hillside	Date Received:	
Client Sample ID:	VY0512SBL01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022209.D	1		05/12/25 08:57	VY051225

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	61.3		70 (63) - 130 (155)	123%	SPK: 50
1868-53-7	Dibromofluoromethane	54.9		70 (70) - 130 (134)	110%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		70 (38) - 130 (136)	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	7.707			
540-36-3	1,4-Difluorobenzene	329000	8.615			
3114-55-4	Chlorobenzene-d5	291000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	129000	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\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Time: May 13 02:14:51 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	193895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	329289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	290502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109786	61.300	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.600%			
35) Dibromofluoromethane	7.634	113	119443	54.905	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.800%			
50) Toluene-d8	10.109	98	406054	49.510	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.020%			
62) 4-Bromofluorobenzene	12.407	95	117168	42.438	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.880%			

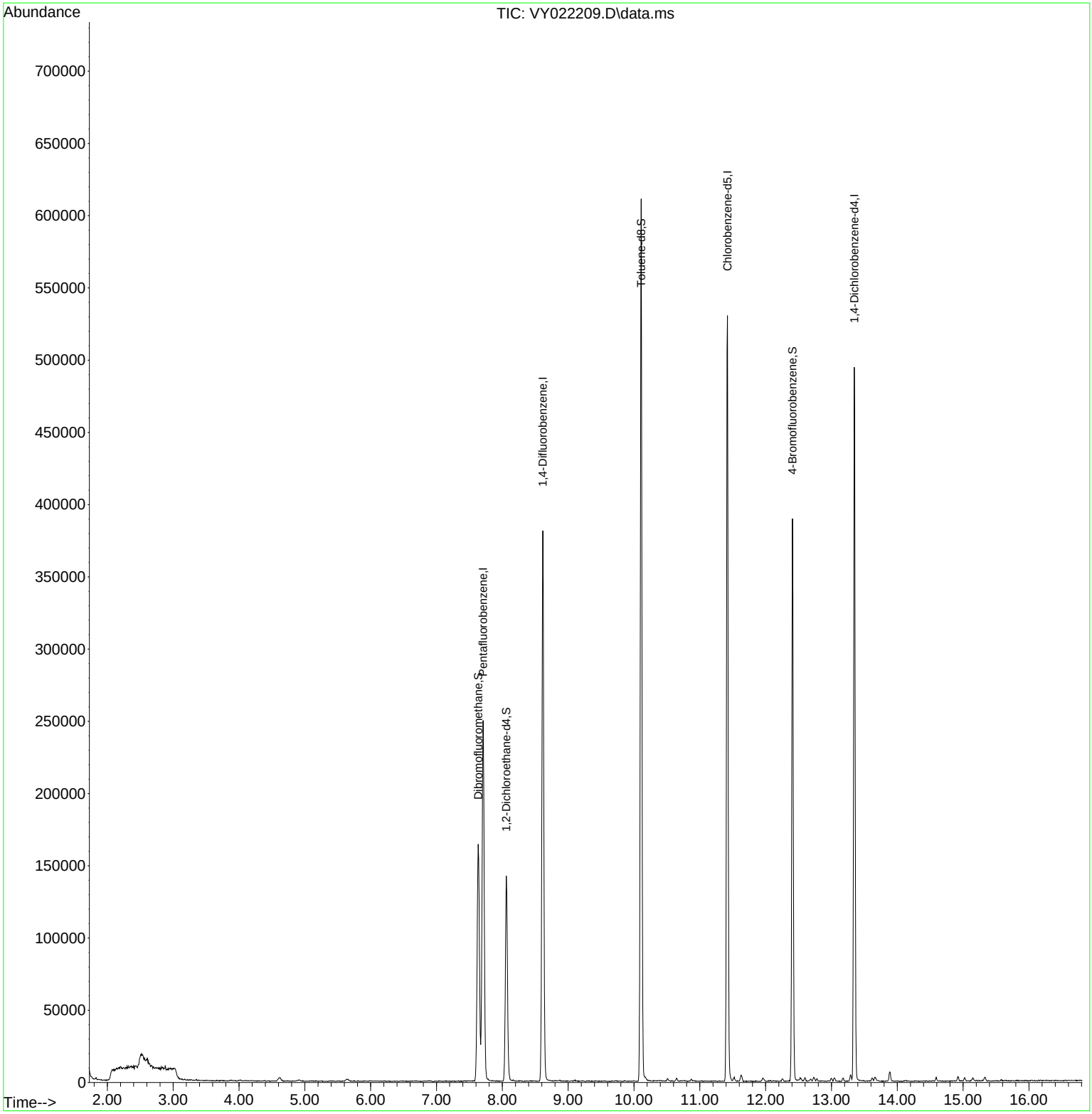
Target Compounds Qvalue

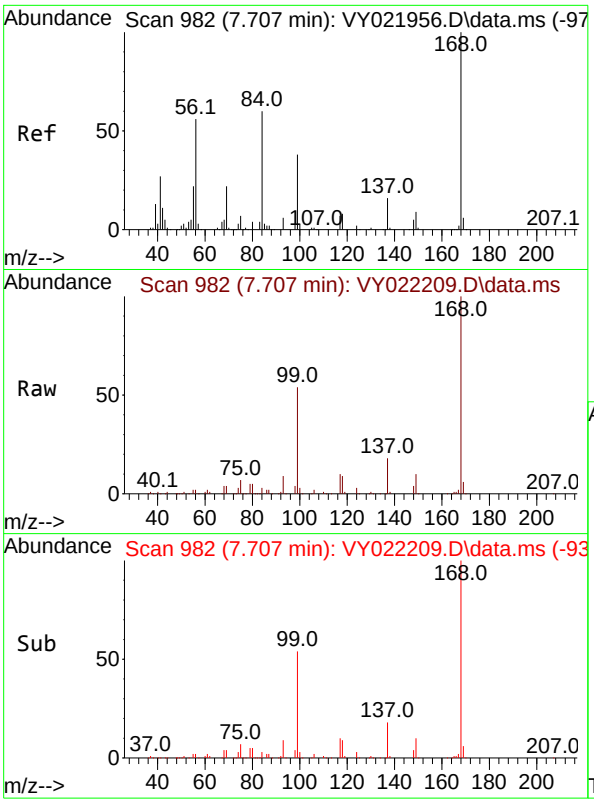
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Time: May 13 02:14:51 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



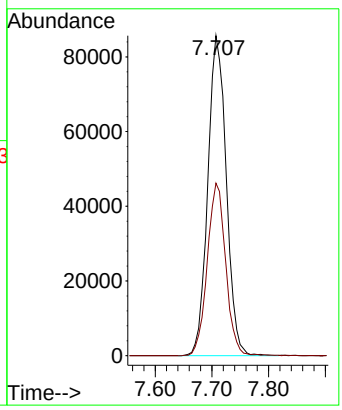


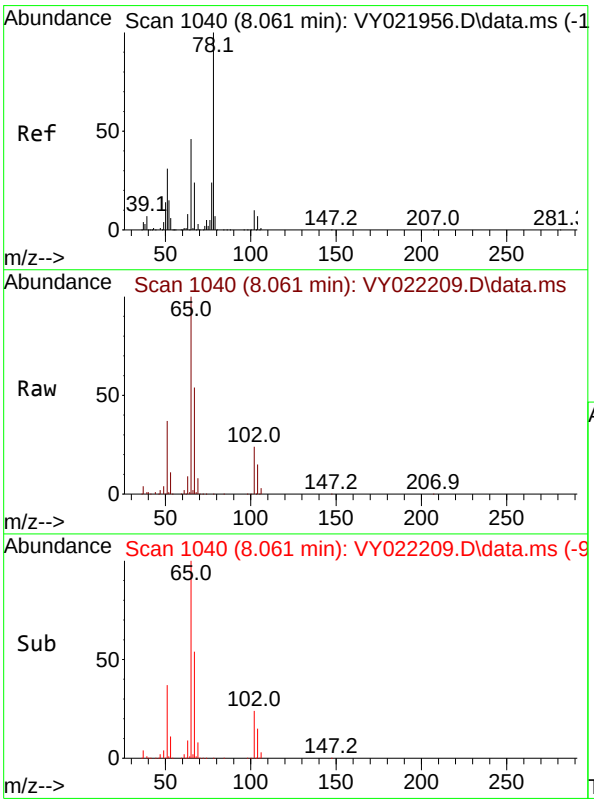
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion:168 Resp: 193895

Ion	Ratio	Lower	Upper
168	100		
99	53.9	43.1	64.7

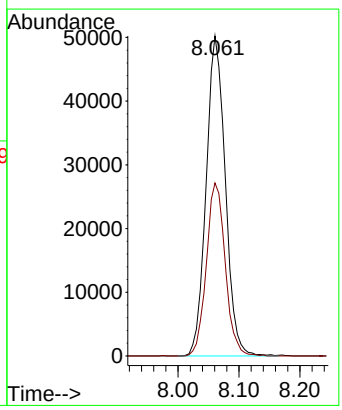


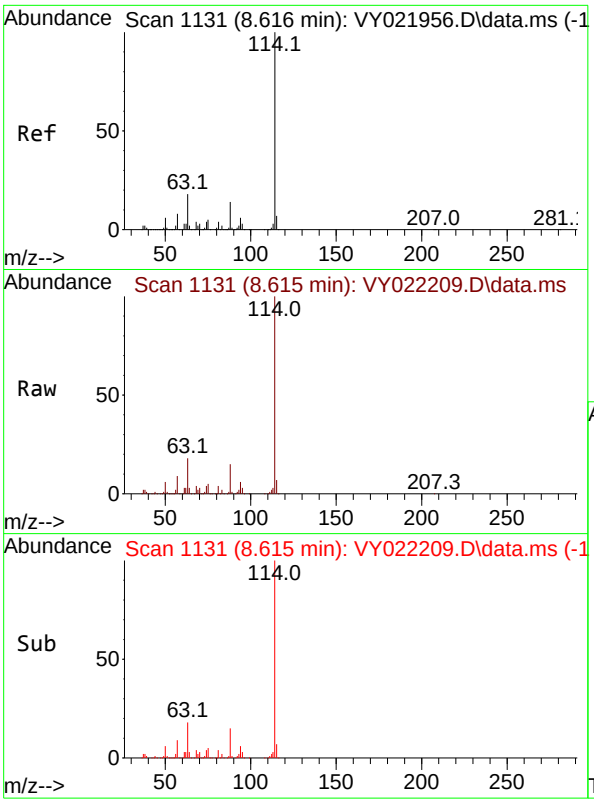


#33
1,2-Dichloroethane-d4
Concen: 61.300 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion: 65 Resp: 109786

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8



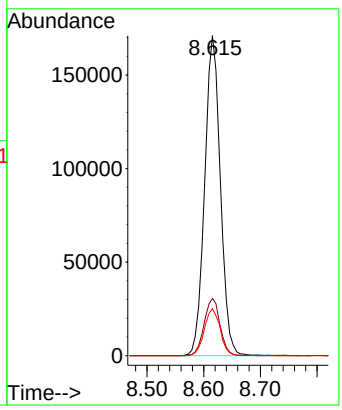


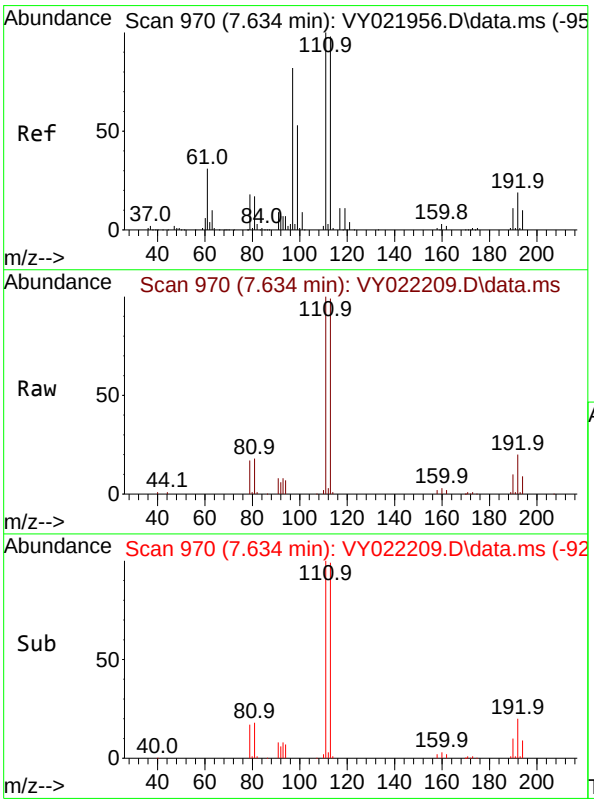
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion:114 Resp: 329289

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.4
88	14.7	0.0	28.2

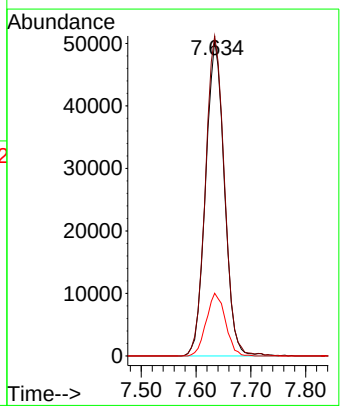


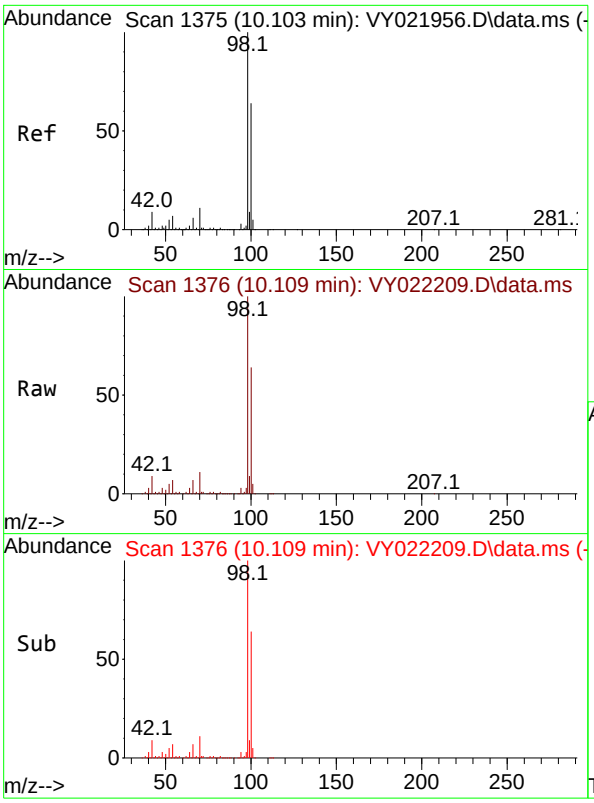


#35
Dibromofluoromethane
Concen: 54.905 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion:113 Resp: 119443

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	20.4	15.6	23.4



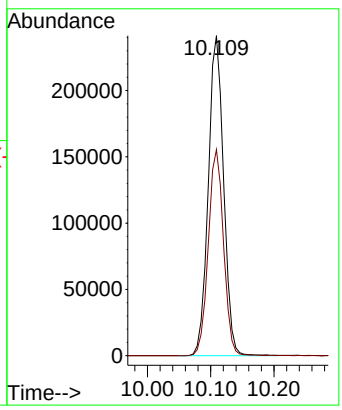


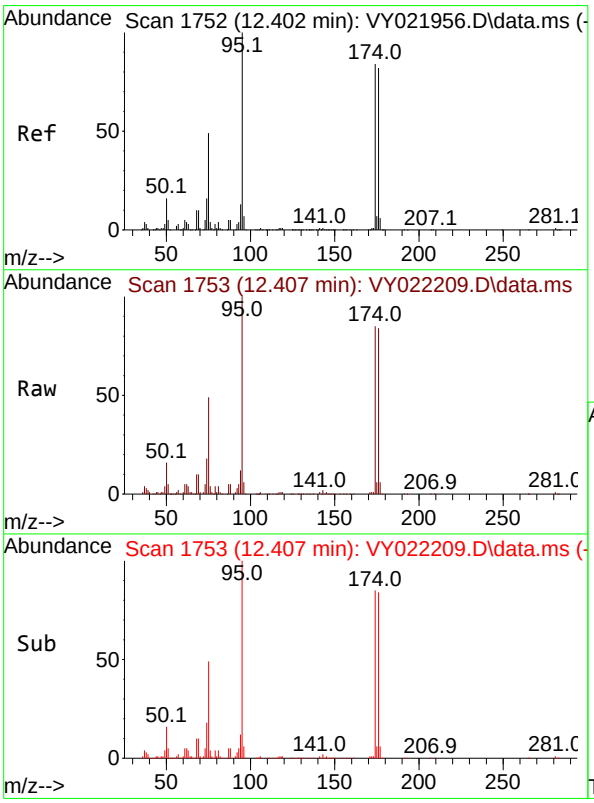
#50
Toluene-d8
Concen: 49.510 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion: 98 Resp: 406054

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4

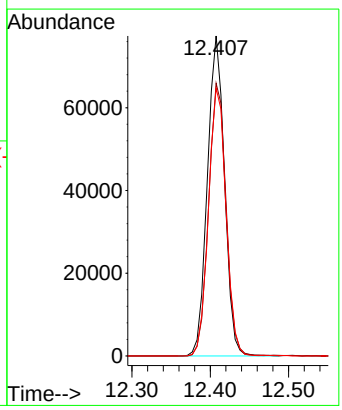


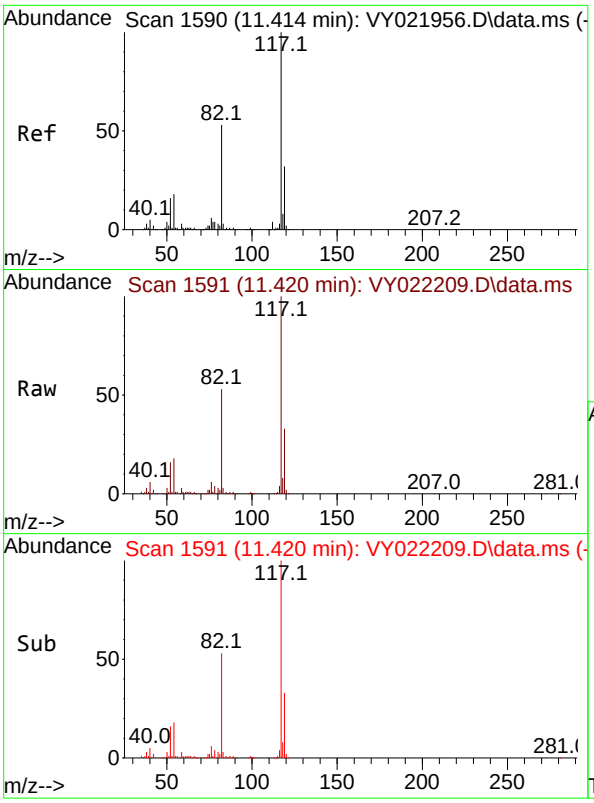


#62
4-Bromofluorobenzene
Concen: 42.438 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion: 95 Resp: 117168

Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	179.0
176	85.8	0.0	171.8



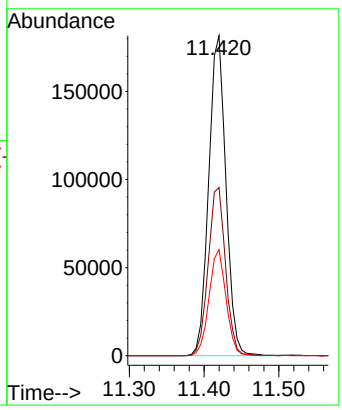


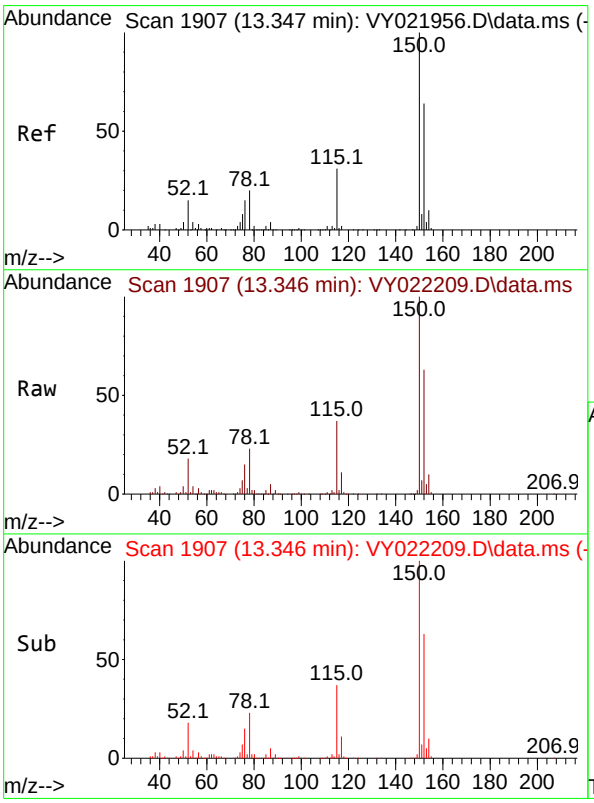
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion:117 Resp: 290502

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	33.2	25.7	38.5

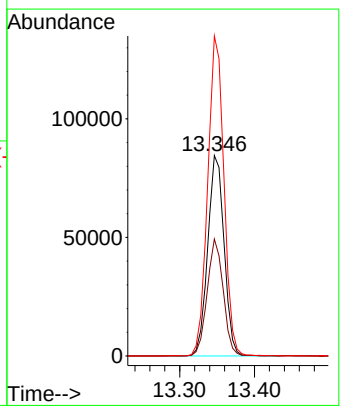




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion:152 Resp: 128920

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.0	84.0
150	157.7	0.0	345.6



Sample Results: **VY022209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

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: VY022209.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	48	58	60	rBV5	7329	18017	1.74%	0.339%
2	2.519	121	131	132	rBV9	9653	24333	2.35%	0.458%
3	7.634	961	970	976	rBV	163940	394198	38.00%	7.419%
4	7.707	976	982	994	rVB	248740	561167	54.09%	10.562%
5	8.061	1031	1040	1052	rBV	142041	311105	29.99%	5.855%
6	8.615	1122	1131	1145	rBV	381015	738493	71.18%	13.900%
7	10.109	1368	1376	1393	rBV	610809	1037482	100.00%	19.527%
8	11.420	1583	1591	1602	rBV	529985	858241	82.72%	16.153%
9	12.407	1746	1753	1764	rBV	389408	606739	58.48%	11.420%
10	13.346	1901	1907	1919	rVB	493912	751957	72.48%	14.153%
11	13.883	1989	1995	2001	rBV2	6393	11308	1.09%	0.213%

Sum of corrected areas: 5313040

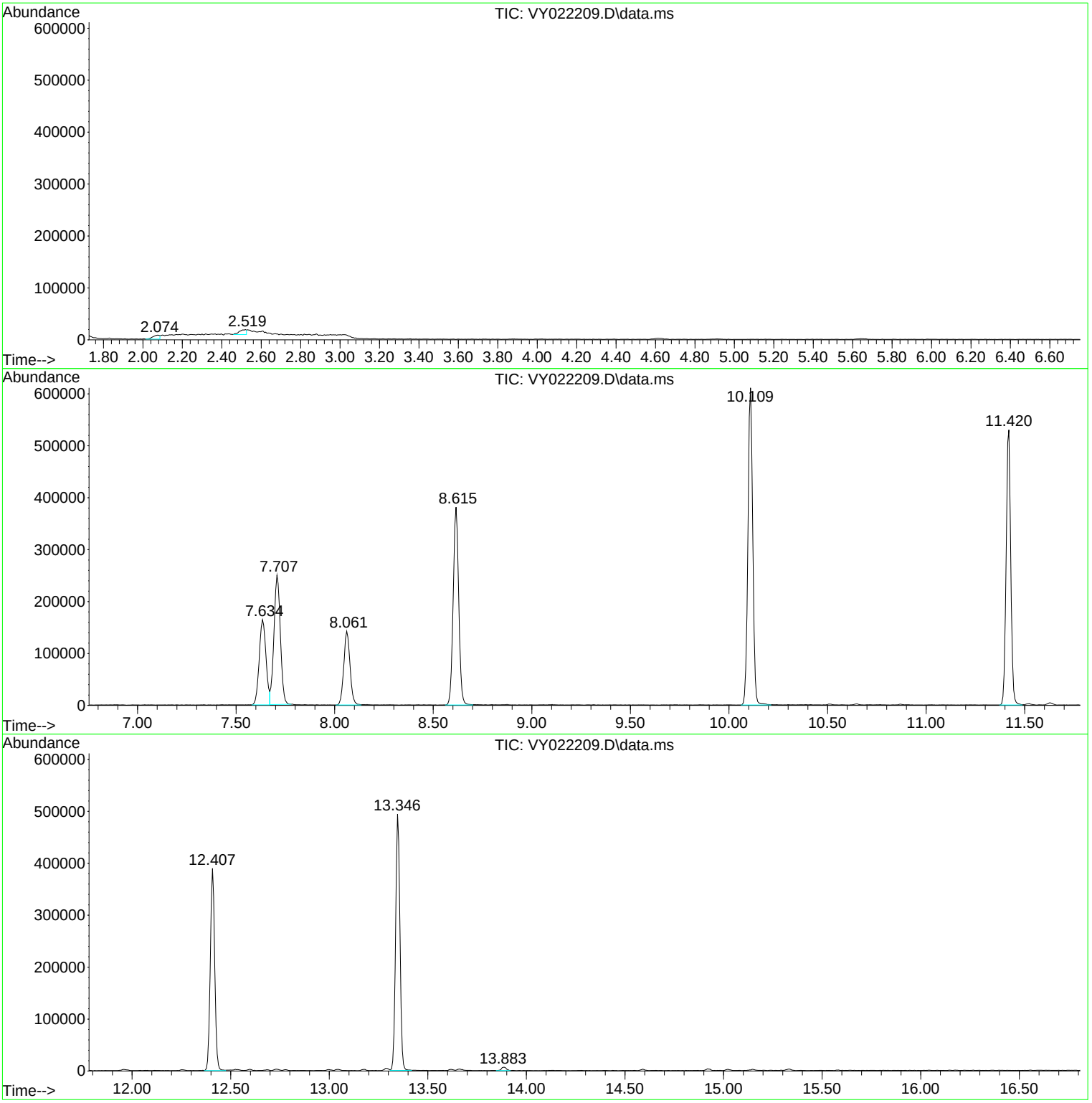
Sample Results: **VY022209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

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: **VY022209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

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\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

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: **VY022210.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:	Hillside	Date Received:	
Client Sample ID:	VY0512SBS01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022210.D	1		05/12/25 09:28	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	23.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	27.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	23.8		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	93.9		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		1.00	5.00	ug/Kg
67-64-1	Acetone	87.6		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.8		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	21.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.0		0.80	5.00	ug/Kg
78-93-3	2-Butanone	94.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.7		0.75	5.00	ug/Kg
67-66-3	Chloroform	21.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	21.7		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	21.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	97.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.8		1.10	5.00	ug/Kg

Raw Data: **VY022210.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:	Hillside	Date Received:	
Client Sample ID:	VY0512SBS01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022210.D	1		05/12/25 09:28	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.0		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		70 (38) - 130 (136)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	7.707			
540-36-3	1,4-Difluorobenzene	335000	8.615			
3114-55-4	Chlorobenzene-d5	310000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	170000	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\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 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 :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	216652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	334827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	309772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96365	48.154	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.300%			
35) Dibromofluoromethane	7.634	113	109386	49.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.900%			
50) Toluene-d8	10.109	98	416832	49.983	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.960%			
62) 4-Bromofluorobenzene	12.407	95	139167	49.572	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	33338	18.059	ug/l	100
3) Chloromethane	2.068	50	61474	23.386	ug/l	98
4) Vinyl Chloride	2.202	62	72681	22.500	ug/l	99
5) Bromomethane	2.592	94	75100	26.986	ug/l	98
6) Chloroethane	2.732	64	52359	23.800	ug/l	96
7) Trichlorofluoromethane	3.055	101	92725	21.769	ug/l	98
8) Diethyl Ether	3.458	74	21778	19.644	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	47784	20.680	ug/l	99
10) Methyl Iodide	4.000	142	50207	18.767	ug/l	97
11) Tert butyl alcohol	4.884	59	10317	93.908	ug/l	100
12) 1,1-Dichloroethene	3.787	96	43298	20.103	ug/l	92
13) Acrolein	3.659	56	6549	33.213	ug/l	96
14) Allyl chloride	4.378	41	52950	21.114	ug/l	95
15) Acrylonitrile	5.061	53	40784	100.485	ug/l	98
16) Acetone	3.879	43	26569	87.553	ug/l	99
17) Carbon Disulfide	4.104	76	135674	19.757	ug/l	99
18) Methyl Acetate	4.391	43	23514	25.154	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	92141	19.114	ug/l	98
20) Methylene Chloride	4.610	84	54110	21.384	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	49277	20.429	ug/l	88
22) Diisopropyl ether	6.018	45	120272	21.551	ug/l	96
23) Vinyl Acetate	5.964	43	295364	98.202	ug/l	99
24) 1,1-Dichloroethane	5.915	63	85086	21.995	ug/l	99
25) 2-Butanone	6.902	43	43050	94.375	ug/l	94
26) 2,2-Dichloropropane	6.884	77	74872	22.083	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	55842	20.705	ug/l	97
28) Bromochloromethane	7.244	49	33561	22.336	ug/l	94
29) Tetrahydrofuran	7.268	42	29008	97.912	ug/l	98
30) Chloroform	7.421	83	93637	21.822	ug/l	97
31) Cyclohexane	7.701	56	65954	19.937	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	82451	21.239	ug/l	98
36) 1,1-Dichloropropene	7.835	75	62108	20.902	ug/l	99
37) Ethyl Acetate	6.994	43	19542	18.312	ug/l	97
38) Carbon Tetrachloride	7.817	117	75551	21.278	ug/l	98
39) Methylcyclohexane	9.109	83	72328	19.343	ug/l	95
40) Benzene	8.079	78	199040	21.429	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 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 :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.225	41	9484	16.257 ug/l #	74
42) 1,2-Dichloroethane	8.158	62	49678	21.602 ug/l	97
43) Isopropyl Acetate	8.201	43	42041	20.514 ug/l	98
44) Trichloroethene	8.865	130	53821	20.920 ug/l	96
45) 1,2-Dichloropropane	9.140	63	45998	22.394 ug/l	96
46) Dibromomethane	9.231	93	26246	20.412 ug/l	98
47) Bromodichloromethane	9.426	83	69942	21.774 ug/l	98
48) Methyl methacrylate	9.225	41	19057	20.115 ug/l	96
49) 1,4-Dioxane	9.250	88	5178	377.821 ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	108711	101.190 ug/l	96
52) Toluene	10.170	92	130578	21.718 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	58755	21.325 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	69165	21.118 ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	35987	20.952 ug/l	97
56) Ethyl methacrylate	10.438	69	35918	18.287 ug/l	96
57) 1,3-Dichloropropane	10.719	76	58731	21.330 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	91818	95.610 ug/l	99
59) 2-Hexanone	10.761	43	69173	97.618 ug/l	95
60) Dibromochloromethane	10.914	129	49162	20.674 ug/l	98
61) 1,2-Dibromoethane	11.017	107	32476	20.028 ug/l	98
64) Tetrachloroethene	10.646	164	63571	21.754 ug/l	97
65) Chlorobenzene	11.444	112	144043	20.794 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	51404	21.078 ug/l	99
67) Ethyl Benzene	11.524	91	229545	20.256 ug/l	96
68) m/p-Xylenes	11.627	106	190495	42.246 ug/l	98
69) o-Xylene	11.956	106	83841	20.173 ug/l	100
70) Styrene	11.969	104	143576	20.575 ug/l	99
71) Bromoform	12.133	173	28346	19.992 ug/l #	98
73) Isopropylbenzene	12.255	105	221453	19.553 ug/l	99
74) N-amyl acetate	12.072	43	34726	17.846 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	37598	19.690 ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	29981m	20.647 ug/l	
77) Bromobenzene	12.536	156	57609	20.130 ug/l	98
78) n-propylbenzene	12.596	91	274074	20.320 ug/l	99
79) 2-Chlorotoluene	12.682	91	160546	20.467 ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	188921	20.245 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11626	19.281 ug/l	96
82) 4-Chlorotoluene	12.779	91	168905	20.714 ug/l	99
83) tert-Butylbenzene	12.999	119	160123	19.132 ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	190789	20.440 ug/l	99
85) sec-Butylbenzene	13.176	105	247586	20.216 ug/l	99
86) p-Isopropyltoluene	13.291	119	208057	20.006 ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	119746	20.601 ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	116013	20.152 ug/l	99
89) n-Butylbenzene	13.621	91	182357	19.618 ug/l	98
90) Hexachloroethane	13.883	117	47589	20.828 ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	102757	20.269 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5748	18.920 ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	54134	18.843 ug/l	100
94) Hexachlorobutadiene	15.023	225	35674	20.182 ug/l	97
95) Naphthalene	15.145	128	80621	16.893 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	45853	18.490 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 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 :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

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

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

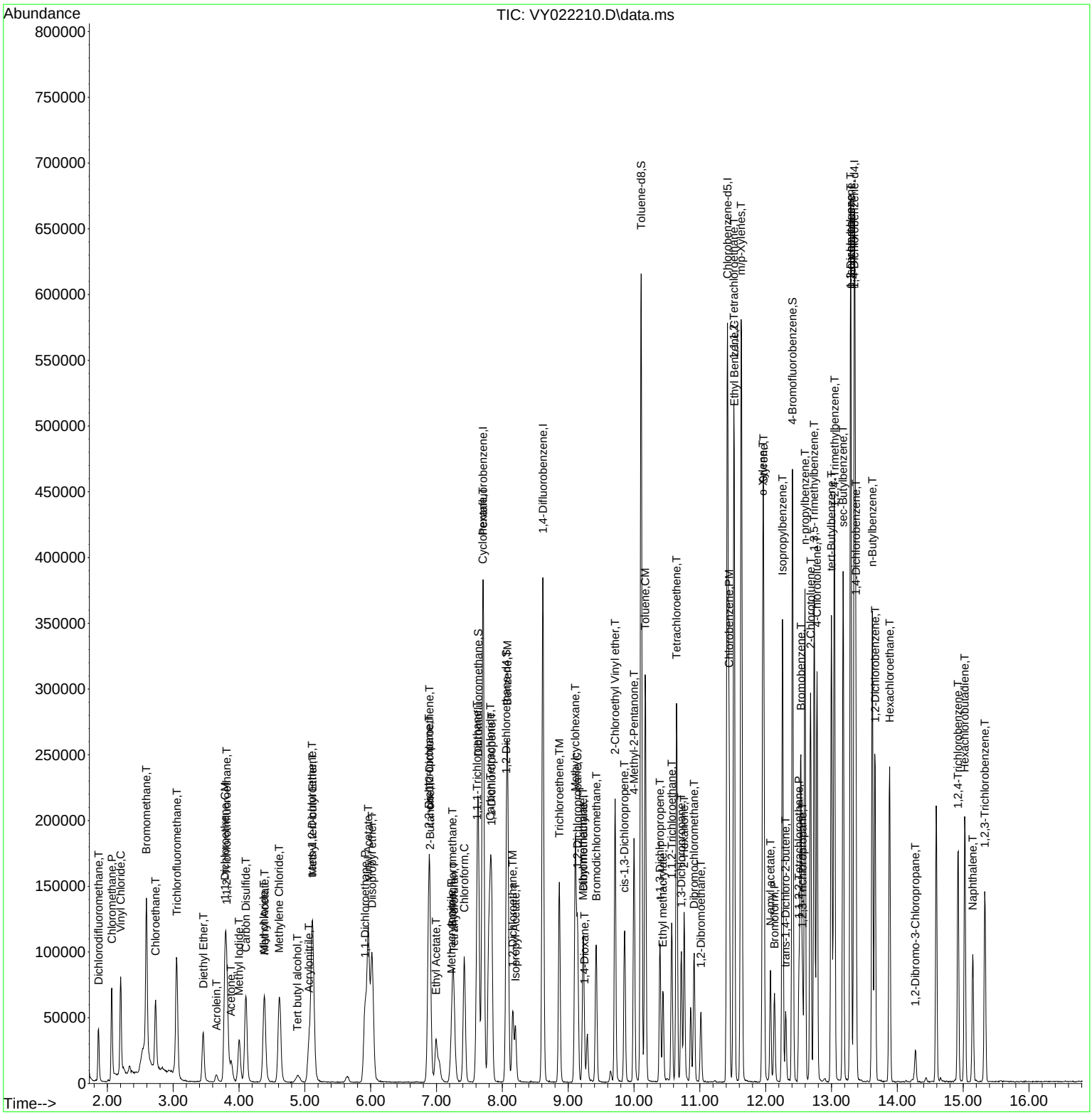
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 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 :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025



Raw Data: **VY022211.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:	Hillside	Date Received:	
Client Sample ID:	VY0512SBSD01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022211.D	1		05/12/25 09:51	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	23.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	28.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	25.1		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	110		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	20.6		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.9		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.5		0.80	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
67-66-3	Chloroform	22.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.7		0.93	5.00	ug/Kg
71-43-2	Benzene	22.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	22.2		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	21.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.7		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.4		1.10	5.00	ug/Kg

Raw Data: **VY022211.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:	Hillside	Date Received:	
Client Sample ID:	VY0512SBSD01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022211.D	1		05/12/25 09:51	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	21.5		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.5		0.82	5.00	ug/Kg
100-42-5	Styrene	21.0		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.2		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.7		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	53.7		70 (74) - 130 (123)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		70 (38) - 130 (136)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	216000	7.713			
540-36-3	1,4-Difluorobenzene	338000	8.616			
3114-55-4	Chlorobenzene-d5	310000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	163000	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\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 02:16:10 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 :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	216263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	338089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	309790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109166	54.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.300%			
35) Dibromofluoromethane	7.640	113	119160	53.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.700%			
50) Toluene-d8	10.109	98	451944	53.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.408	95	149962	52.902	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	36373	19.738	ug/l	96
3) Chloromethane	2.068	50	60978	23.239	ug/l	100
4) Vinyl Chloride	2.202	62	72683	22.541	ug/l	99
5) Bromomethane	2.592	94	79139	28.488	ug/l	98
6) Chloroethane	2.733	64	55086	25.085	ug/l	99
7) Trichlorofluoromethane	3.050	101	93668	22.030	ug/l	96
8) Diethyl Ether	3.452	74	23346	21.096	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	50787	22.019	ug/l	98
10) Methyl Iodide	4.007	142	53890	20.180	ug/l	98
11) Tert butyl alcohol	4.897	59	11721	106.879	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	44237	20.576	ug/l	96
13) Acrolein	3.653	56	7643	38.831	ug/l	99
14) Allyl chloride	4.385	41	54138	21.627	ug/l	96
15) Acrylonitrile	5.067	53	45636	112.642	ug/l	96
16) Acetone	3.885	43	30820	105.529	ug/l	95
17) Carbon Disulfide	4.104	76	136650	19.935	ug/l	98
18) Methyl Acetate	4.391	43	22051	23.632	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	100357	20.856	ug/l	96
20) Methylene Chloride	4.610	84	53749	21.279	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	50618	21.023	ug/l	95
22) Diisopropyl ether	6.019	45	126733	22.749	ug/l	94
23) Vinyl Acetate	5.964	43	332390	110.711	ug/l	99
24) 1,1-Dichloroethane	5.915	63	86946	22.516	ug/l	99
25) 2-Butanone	6.903	43	48902	107.397	ug/l	97
26) 2,2-Dichloropropane	6.884	77	74166	21.914	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56982	21.166	ug/l	97
28) Bromochloromethane	7.244	49	33757	22.507	ug/l	95
29) Tetrahydrofuran	7.268	42	33147	112.083	ug/l	97
30) Chloroform	7.421	83	96746	22.587	ug/l	97
31) Cyclohexane	7.701	56	68898	20.865	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	84194	21.727	ug/l	98
36) 1,1-Dichloropropene	7.835	75	65523	21.839	ug/l	98
37) Ethyl Acetate	6.988	43	24148	22.410	ug/l	97
38) Carbon Tetrachloride	7.817	117	79467	22.165	ug/l	95
39) Methylcyclohexane	9.109	83	75338	19.953	ug/l	93
40) Benzene	8.079	78	206390	22.006	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 02:16:10 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 :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	10178	17.278	ug/l	#	74
42) 1,2-Dichloroethane	8.158	62	52252	22.502	ug/l		100
43) Isopropyl Acetate	8.195	43	47302	22.858	ug/l		98
44) Trichloroethene	8.866	130	55659	21.425	ug/l		95
45) 1,2-Dichloropropane	9.140	63	47168	22.742	ug/l		97
46) Dibromomethane	9.231	93	28643	22.061	ug/l		99
47) Bromodichloromethane	9.420	83	74034	22.825	ug/l		97
48) Methyl methacrylate	9.219	41	19984	20.890	ug/l		96
49) 1,4-Dioxane	9.244	88	5888	425.482	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	123141	113.516	ug/l		96
52) Toluene	10.170	92	134859	22.214	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	59031	21.218	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	73116	22.109	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	38454	22.173	ug/l		95
56) Ethyl methacrylate	10.438	69	40792	20.568	ug/l		97
57) 1,3-Dichloropropane	10.719	76	62382	22.437	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	104794	108.069	ug/l		100
59) 2-Hexanone	10.762	43	80325	112.262	ug/l		95
60) Dibromochloromethane	10.908	129	54387	22.651	ug/l		98
61) 1,2-Dibromoethane	11.012	107	36377	22.218	ug/l		99
64) Tetrachloroethene	10.646	164	65477	22.405	ug/l		96
65) Chlorobenzene	11.444	112	148671	21.460	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	54779	22.460	ug/l		99
67) Ethyl Benzene	11.518	91	233947	20.644	ug/l		100
68) m/p-Xylenes	11.627	106	192656	42.722	ug/l		99
69) o-Xylene	11.957	106	85003	20.451	ug/l		97
70) Styrene	11.969	104	146776	21.032	ug/l		99
71) Bromoform	12.133	173	31521	22.230	ug/l	#	98
73) Isopropylbenzene	12.255	105	227948	20.953	ug/l		100
74) N-amyl acetate	12.072	43	39824	21.306	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41636	22.700	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	31061m	22.270	ug/l		
77) Bromobenzene	12.530	156	58809	21.393	ug/l		97
78) n-propylbenzene	12.597	91	277323	21.406	ug/l		100
79) 2-Chlorotoluene	12.682	91	162059	21.509	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	193096	21.542	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	12330	21.289	ug/l		96
82) 4-Chlorotoluene	12.780	91	171823	21.938	ug/l		100
83) tert-Butylbenzene	12.999	119	167936	20.890	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	194646	21.710	ug/l		99
85) sec-Butylbenzene	13.176	105	251857	21.410	ug/l		99
86) p-Isopropyltoluene	13.292	119	207628	20.785	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	121365	21.737	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	120102	21.720	ug/l		99
89) n-Butylbenzene	13.615	91	183111	20.508	ug/l		99
90) Hexachloroethane	13.877	117	47889	21.820	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	106964	21.965	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6603	22.628	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	55017	19.937	ug/l		99
94) Hexachlorobutadiene	15.023	225	35158	20.708	ug/l		99
95) Naphthalene	15.145	128	86483	18.866	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	47559	19.966	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Quant Time: May 13 02:16:10 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)

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

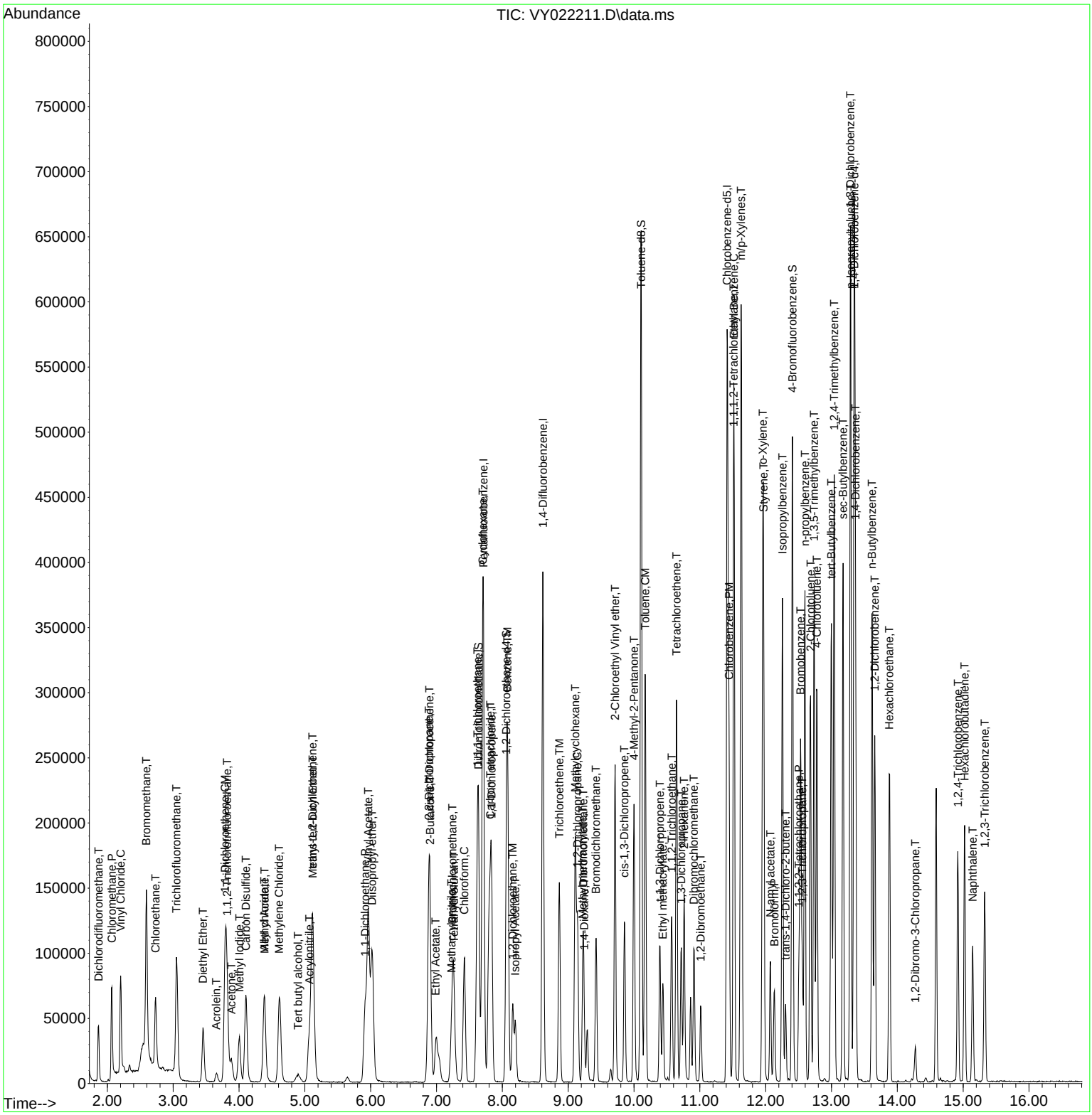
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 02:16:10 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 :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025



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

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

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

Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

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

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

Manual Integration Report

Sequence:	vy051225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022208.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:51 PM	Sam	5/13/2025 2:16:12 PM	Peak Integrated by Software
VY0512SBS01	VY022210.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:53 PM	Sam	5/13/2025 2:16:12 PM	Peak Integrated by Software
VY0512SBSD01	VY022211.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:55 PM	Sam	5/13/2025 2:16:15 PM	Peak Integrated by Software
VSTDCCC050	VY022231.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:58 PM	Sam	5/13/2025 2:16:17 PM	Peak Integrated by Software

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

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

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM				
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
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	VY022207.D	12 May 2025 07:56	SY/MD	Ok
2	VSTDCCC050	VY022208.D	12 May 2025 08:26	SY/MD	Ok,M
3	VY0512SBL01	VY022209.D	12 May 2025 08:57	SY/MD	Ok
4	VY0512SBS01	VY022210.D	12 May 2025 09:28	SY/MD	Ok,M
5	VY0512SBSD01	VY022211.D	12 May 2025 09:51	SY/MD	Ok,M
6	Q1978-01	VY022212.D	12 May 2025 10:31	SY/MD	Not Ok
7	Q1976-01RE	VY022213.D	12 May 2025 10:54	SY/MD	Confirms
8	Q1983-02	VY022214.D	12 May 2025 11:16	SY/MD	ReRun
9	Q1983-08	VY022215.D	12 May 2025 11:39	SY/MD	Not Ok
10	Q1983-14	VY022216.D	12 May 2025 12:02	SY/MD	ReRun
11	Q1983-20	VY022217.D	12 May 2025 12:24	SY/MD	ReRun
12	Q1983-26	VY022218.D	12 May 2025 12:47	SY/MD	ReRun
13	Q1983-32	VY022219.D	12 May 2025 13:10	SY/MD	ReRun
14	Q1983-38	VY022220.D	12 May 2025 13:32	SY/MD	ReRun
15	Q1983-44	VY022221.D	12 May 2025 13:55	SY/MD	Ok
16	Q1983-50	VY022222.D	12 May 2025 14:17	SY/MD	Ok
17	Q1986-01	VY022223.D	12 May 2025 14:40	SY/MD	ReRun
18	Q1986-03	VY022224.D	12 May 2025 15:03	SY/MD	ReRun
19	Q1986-05	VY022225.D	12 May 2025 15:25	SY/MD	ReRun
20	Q1986-07	VY022226.D	12 May 2025 15:48	SY/MD	Not Ok
21	Q1986-09	VY022227.D	12 May 2025 16:11	SY/MD	ReRun

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM				
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2002-01	VY022228.D	12 May 2025 16:33	SY/MD	ReRun
23	Q1980-06	VY022229.D	12 May 2025 16:56	SY/MD	ReRun
24	Q1987-01	VY022230.D	12 May 2025 17:19	SY/MD	Ok
25	VSTDCCC050	VY022231.D	12 May 2025 18:04	SY/MD	Ok,M

M : Manual Integration

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

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

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM		
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
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	VY022207.D	12 May 2025 07:56		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022208.D	12 May 2025 08:26		SY/MD	Ok,M
3	VY0512SBL01	VY0512SBL01	VY022209.D	12 May 2025 08:57		SY/MD	Ok
4	VY0512SBS01	VY0512SBS01	VY022210.D	12 May 2025 09:28		SY/MD	Ok,M
5	VY0512SBSD01	VY0512SBSD01	VY022211.D	12 May 2025 09:51		SY/MD	Ok,M
6	Q1978-01	72-12016	VY022212.D	12 May 2025 10:31	vial-B Not purged	SY/MD	Not Ok
7	Q1976-01RE	VNJ-207RE	VY022213.D	12 May 2025 10:54	vial-B ISTD Fail	SY/MD	Confirms
8	Q1983-02	OR-636-VOC-01	VY022214.D	12 May 2025 11:16	vial-A Internal standard fail	SY/MD	ReRun
9	Q1983-08	OR-636-VOC-02	VY022215.D	12 May 2025 11:39	vial-A Not purge	SY/MD	Not Ok
10	Q1983-14	OR-636-VOC-03	VY022216.D	12 May 2025 12:02	vial-A Internal standard fail	SY/MD	ReRun
11	Q1983-20	OR-636-VOC-04	VY022217.D	12 May 2025 12:24	vial-A Internal standard fail	SY/MD	ReRun
12	Q1983-26	OR-636-VOC-05	VY022218.D	12 May 2025 12:47	vial-A Internal standard fail	SY/MD	ReRun
13	Q1983-32	OR-636-VOC-06	VY022219.D	12 May 2025 13:10	vial-A Internal standard fail	SY/MD	ReRun
14	Q1983-38	OR-636-VOC-07	VY022220.D	12 May 2025 13:32	vial-A Internal standard fail	SY/MD	ReRun
15	Q1983-44	OR-636-VOC-08	VY022221.D	12 May 2025 13:55	vial-A	SY/MD	Ok
16	Q1983-50	OR-636-VOC-09	VY022222.D	12 May 2025 14:17	vial-A	SY/MD	Ok
17	Q1986-01	COMP-8	VY022223.D	12 May 2025 14:40	vial-A Internal standard fail	SY/MD	ReRun
18	Q1986-03	COMP-9	VY022224.D	12 May 2025 15:03	vial-A Internal standard fail	SY/MD	ReRun

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM		
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1986-05	COMP-10	VY022225.D	12 May 2025 15:25	vial-A Internal standard fail	SY/MD	ReRun
20	Q1986-07	COMP-11	VY022226.D	12 May 2025 15:48	vial-A not req	SY/MD	Not Ok
21	Q1986-09	VNJ-218	VY022227.D	12 May 2025 16:11	vial-A Internal standard fail	SY/MD	ReRun
22	Q2002-01	EO-02-05092025	VY022228.D	12 May 2025 16:33	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
23	Q1980-06	3836	VY022229.D	12 May 2025 16:56	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
24	Q1987-01	GC1	VY022230.D	12 May 2025 17:19	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY022231.D	12 May 2025 18:04		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1929-14	WC-A4-02-C	1	1.15	10.65	11.8	10.38	86.7	
Q1929-15	WC-A1-03-C	2	1.18	10.06	11.24	9.00	77.7	
Q1929-16	WC-A1-04-C	3	1.17	10.24	11.41	9.52	81.5	
Q1982-01	TP-1	4	1.15	10.33	11.48	9.51	80.9	
Q1982-02	TP-2B	5	1.18	10.20	11.38	9.85	85.0	
Q1982-03	TP-3	6	1.18	10.54	11.72	10.74	90.7	
Q1982-04	TP-4	7	1.19	10.07	11.26	9.99	87.4	
Q1982-05	TP-5	8	1.18	10.08	11.26	10.24	89.9	
Q1982-06	TP-6	9	1.16	10.74	11.9	10.42	86.2	
Q1982-07	TP-7	10	1.19	10.23	11.42	9.75	83.7	
Q1982-08	TP-8	11	1.16	10.42	11.58	9.63	81.3	
Q1983-01	OR-636-COMP-01	12	1.16	10.07	11.23	10.1	88.8	
Q1983-02	OR-636-VOC-01	13	1.18	10.23	11.41	9.74	83.7	
Q1983-03	OR-636-01	14	1.16	9.92	11.08	9.73	86.4	
Q1983-04	OR-636-02	15	1.19	10.30	11.49	10.15	87.0	
Q1983-05	OR-636-03	16	1.15	9.56	10.71	9.77	90.2	
Q1983-07	OR-636-COMP-02	17	1.17	10.61	11.78	10.6	88.9	
Q1983-08	OR-636-VOC-02	18	1.12	10.72	11.84	10.58	88.2	
Q1983-09	OR-636-04	19	1.17	10.05	11.22	9.89	86.8	
Q1983-10	OR-636-05	20	1.19	10.59	11.78	10.78	90.6	
Q1983-11	OR-636-06	21	1.18	10.14	11.32	10.02	87.2	
Q1983-13	OR-636-COMP-03	22	1.14	10.30	11.44	10.75	93.3	
Q1983-14	OR-636-VOC-03	23	1.15	10.36	11.51	10.61	91.3	
Q1983-15	OR-636-07	24	1.16	10.64	11.8	11.39	96.1	
Q1983-16	OR-636-08	25	1.14	10.73	11.87	10.89	90.9	
Q1983-17	OR-636-09	26	1.18	10.44	11.62	10.74	91.6	
Q1983-19	OR-636-COMP-04	27	1.18	10.81	11.99	11.05	91.3	
Q1983-20	OR-636-VOC-04	28	1.15	10.33	11.48	9.6	81.8	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1983-21	OR-636-10	29	1.19	10.51	11.7	10.72	90.7	
Q1983-22	OR-636-11	30	1.19	10.59	11.78	10.5	87.9	
Q1983-23	OR-636-12	31	1.15	10.43	11.58	9.76	82.6	
Q1983-25	OR-636-COMP-05	32	1.17	9.97	11.14	9.07	79.2	
Q1983-26	OR-636-VOC-05	33	1.16	10.04	11.2	9.08	78.9	
Q1983-27	OR-636-13	34	1.14	10.53	11.67	11.04	94.0	
Q1983-28	OR-636-14	35	1.15	10.52	11.67	10.00	84.1	
Q1983-29	OR-636-15	36	1.16	10.35	11.51	9.74	82.9	
Q1983-31	OR-636-COMP-06	37	1.15	9.84	10.99	9.52	85.1	
Q1983-32	OR-636-VOC-06	38	1.17	10.61	11.78	10.78	90.6	
Q1983-33	OR-636-16	39	1.19	9.73	10.92	10.4	94.7	
Q1983-34	OR-636-17	40	1.13	10.55	11.68	10.37	87.6	
Q1983-35	OR-636-18	41	1.18	10.15	11.33	9.59	82.9	
Q1983-37	OR-636-COMP-07	42	1.18	10.44	11.62	10.35	87.8	
Q1983-38	OR-636-VOC-07	43	1.12	10.77	11.89	10.88	90.6	
Q1983-39	OR-636-19	44	1.15	9.66	10.81	9.34	84.8	
Q1983-40	OR-636-20	45	1.18	10.29	11.47	10.21	87.8	
Q1983-41	OR-636-21	46	1.14	10.58	11.72	10.5	88.5	
Q1983-43	OR-636-COMP-08	47	1.15	10.25	11.4	10.45	90.7	
Q1983-44	OR-636-VOC-08	48	1.16	9.97	11.13	10.78	96.5	
Q1983-45	OR-636-22	49	1.13	10.62	11.75	10.91	92.1	
Q1983-46	OR-636-23	50	1.19	9.96	11.15	10.05	89.0	
Q1983-47	OR-636-24	51	1.13	10.33	11.46	11.18	97.3	
Q1983-49	OR-636-COMP-09	52	1.13	10.36	11.49	10.31	88.6	
Q1983-50	OR-636-VOC-09	53	1.19	10.54	11.73	10.1	84.5	
Q1983-51	OR-636-25	54	1.16	10.09	11.25	9.61	83.7	
Q1983-52	OR-636-26	55	1.18	10.11	11.29	9.93	86.5	
Q1983-53	OR-636-27	56	1.16	9.66	10.82	10.34	95.0	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1984-01	OU4-PCS-TC-33-050725	57	1.15	9.96	11.11	10.62	95.1	
Q1984-03	OU4-PCS-TC-34-050725	58	1.16	10.82	11.98	11.51	95.7	
Q1984-05	OU4-PCS-TC-35-050725	59	1.19	9.50	10.69	10.16	94.4	
Q1984-07	OU4-TS-24-050725	60	1.15	10.00	11.15	8.12	69.7	
Q1984-09	OU4-TS-25-050725	61	1.17	10.51	11.68	8.32	68.0	
Q1984-11	OU4-TS-26-050725	62	1.17	10.18	11.35	7.29	60.1	
Q1984-13	OU4-TS-27-050725	63	1.16	9.67	10.83	7.2	62.5	
Q1984-15	OU4-TS-28-050725	64	1.16	9.98	11.14	7.61	64.6	
Q1986-01	COMP-8	65	1.18	10.04	11.22	10.5	92.8	
Q1986-03	COMP-9	66	1.18	10.05	11.23	10.44	92.1	
Q1986-05	COMP-10	67	1.16	9.77	10.93	9.84	88.8	
Q1986-07	COMP-11	68	1.19	10.33	11.52	10.55	90.6	
Q1986-09	COMP-218	69	1.16	10.18	11.34	10.45	91.3	
Q1987-01	GC1	70	1.14	9.89	11.03	9.7	86.6	
Q1990-01	43025-A	71	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1990-02	43025-B	72	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1991-01	1217	73	1.00	1.00	2.00	2.00	100.0	oil sample
Q1991-03	30425	74	1.00	1.00	2.00	2.00	100.0	oil sample

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

WORKLIST(Hardcopy Internal Chain)

VB 135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1929-14	WC-A4-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-15	WC-A1-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-16	WC-A1-04-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1982-01	TP-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-02	TP-2B	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-03	TP-3	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-04	TP-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-05	TP-5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-06	TP-6	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-07	TP-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-08	TP-8	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-01	OR-636-COMP-01	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-02	OR-636-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-03	OR-636-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-04	OR-636-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-05	OR-636-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-07	OR-636-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-08	OR-636-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-09	OR-636-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-10	OR-636-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-11	OR-636-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05108125 151.00

Raw Sample Received by: [illegible] (WQC)

Raw Sample Relinquished by: [signature]

Date/Time 05108125 1730

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [illegible] (WQC)

WORKLIST(Hardcopy Internal Chain)

NB 135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-13	OR-636-COMP-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-14	OR-636-VOC-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-15	OR-636-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-16	OR-636-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-17	OR-636-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-19	OR-636-COMP-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-20	OR-636-VOC-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-21	OR-636-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-22	OR-636-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-23	OR-636-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-25	OR-636-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-26	OR-636-VOC-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-27	OR-636-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-28	OR-636-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-29	OR-636-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-31	OR-636-COMP-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-32	OR-636-VOC-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-33	OR-636-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-34	OR-636-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-35	OR-636-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-37	OR-636-COMP-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: JB WOC

Raw Sample Relinquished by: CP

Date/Time 05/08/25 17:30

Raw Sample Received by: CP

Raw Sample Relinquished by: JB WOC

WORKLIST(Hardcopy Internal Chain)

135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-38	OR-636-VOC-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-39	OR-636-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-40	OR-636-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-41	OR-636-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-43	OR-636-COMP-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-44	OR-636-VOC-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-45	OR-636-22	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-46	OR-636-23	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-47	OR-636-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-49	OR-636-COMP-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-50	OR-636-VOC-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-51	OR-636-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-52	OR-636-26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-53	OR-636-27	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1984-01	OU4-PCS-TC-33-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-03	OU4-PCS-TC-34-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-05	OU4-PCS-TC-35-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-07	OU4-TS-24-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-09	OU4-TS-25-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-11	OU4-TS-26-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-13	OU4-TS-27-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 05/08/25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

LB135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-15	OU4-TS-28-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1986-01	COMP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-03	COMP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-05	COMP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-07	COMP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-09	COMP-218	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1987-01	GC1	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/07/2025	Chemtech -SO
Q1990-01	43025-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1990-02	43025-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-01	1217	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-03	30425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: LWOJ

Raw Sample Relinquished by:

Date/Time 05/08/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by: LWOJ

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. Q1987
COC Number 2047007

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: GL
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Hillside
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Genvironmental PO#:
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: ______ 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 excel pdf
- X EDD FORMAT hazsite NJdep

ANALYSIS

1. EPH cat 1
2. Vocs+15, TBA, MTBE
3.
4.
5.
6.
7.
8.
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
							PRESERVATIVES	ice	Mena								← Specify Preservatives A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER
1.	GC1	Soil		X	5/7/25	1430	5	X	X								
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	5/8/25	1. [signature] 5/8/25 13:00
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1°C °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 : Q1987 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 5/8/2025 1:07:00 PM
Project Name : Hillside
Receive DateTime : 5/8/2025 1:00:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : NJ HAZSITE
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1987-01	GC1	Solid	05/07/2025	14:30					
					VOCMS Group1		8260D		5 Bus. Days

Relinguished By : [signature]
Date / Time : 5/8/25 1430

Received By : JC
Date / Time : 5/8/25 1430

Storage Area : VOA Refridgerator Room