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:	Q2364	**OrderDate:**	6/18/2025 4:07:57 PM
Client:	G Environmental	**Project:**	Ave B
Contact:	Gary Landis	**Location:**	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2364-02	**GAV1B**	**SOIL**			**06/18/25**			**06/18/25**
			VOC-TCLVOA-10	8260D			06/19/25	
Q2364-04	**GAV2B**	**SOIL**			**06/18/25**			**06/18/25**
			VOC-TCLVOA-10	8260D			06/19/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2364

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**GAV2B**								
Q2364-04	GAV2B	SOIL	Acetone		30.5		5.00	26.5	ug/Kg
			Total Voc :		30.5				
Q2364-04	GAV2B	SOIL	Bicyclo[2.2.1]heptane, 2,2,3-tri	*	25.1	J	0	0	ug/Kg
Q2364-04	GAV2B	SOIL	Benzene, 1,2,3,4-tetramethyl-	*	5.40	J	0	0	ug/Kg
			Total Tics :		30.5				
			Total Concentration:		61.0				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2364

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2364-02	GAV1B	1,2-Dichloroethane-d4	50	55.9	112	70 (63)	130 (155)
		Dibromofluoromethane	50	55.0	110	70 (70)	130 (134)
		Toluene-d8	50	50.3	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.1	84	70 (17)	130 (146)
Q2364-04	GAV2B	1,2-Dichloroethane-d4	50	57.5	115	70 (63)	130 (155)
		Dibromofluoromethane	50	53.5	107	70 (70)	130 (134)
		Toluene-d8	50	50.5	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.1	90	70 (17)	130 (146)
VY0619SBL01	VY0619SBL01	1,2-Dichloroethane-d4	50	50.4	101	70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102	70 (70)	130 (134)
		Toluene-d8	50	50.5	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.1	80	70 (17)	130 (146)
VY0619SBS01	VY0619SBS01	1,2-Dichloroethane-d4	50	51.3	102	70 (63)	130 (155)
		Dibromofluoromethane	50	53.0	106	70 (70)	130 (134)
		Toluene-d8	50	51.4	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.9	96	70 (17)	130 (146)
VY0619SBSD01	VY0619SBSD01	1,2-Dichloroethane-d4	50	55.5	111	70 (63)	130 (155)
		Dibromofluoromethane	50	53.8	108	70 (70)	130 (134)
		Toluene-d8	50	53.5	107	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.5	103	70 (17)	130 (146)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2364

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022744.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0619SBS01	Dichlorodifluoromethane	20	20.5	ug/Kg	103			40 (64)	160 (136)	
	Chloromethane	20	16.7	ug/Kg	84			40 (52)	160 (151)	
	Vinyl chloride	20	19.8	ug/Kg	99			70 (56)	130 (148)	
	Bromomethane	20	20.2	ug/Kg	101			40 (58)	160 (141)	
	Chloroethane	20	21.2	ug/Kg	106			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.6	ug/Kg	108			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.7	ug/Kg	109			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.1	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	140	ug/Kg	140			40 (40)	160 (171)	
	Carbon disulfide	20	19.8	ug/Kg	99			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	19.5	ug/Kg	98			70 (77)	130 (129)	
	Methyl Acetate	20	17.4	ug/Kg	87			70 (69)	130 (149)	
	Methylene Chloride	20	20.6	ug/Kg	103			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106			70 (80)	130 (123)	
	1,1-Dichloroethane	20	22.1	ug/Kg	111			70 (82)	130 (123)	
	Cyclohexane	20	19.3	ug/Kg	97			70 (76)	130 (122)	
	2-Butanone	100	120	ug/Kg	120			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.9	ug/Kg	104			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	21.7	ug/Kg	109			70 (80)	130 (127)	
	Chloroform	20	22.4	ug/Kg	112			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.9	ug/Kg	110			70 (80)	130 (126)	
	Methylcyclohexane	20	19.3	ug/Kg	97			70 (77)	130 (123)	
	Benzene	20	21.4	ug/Kg	107			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	21.7	ug/Kg	109			70 (83)	130 (122)	
	1,2-Dichloropropane	20	22.2	ug/Kg	111			70 (83)	130 (122)	
	Bromodichloromethane	20	21.7	ug/Kg	109			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	91.0	ug/Kg	91			40 (70)	160 (135)	
	Toluene	20	21.1	ug/Kg	106			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106			70 (82)	130 (125)	
	2-Hexanone	100	98.6	ug/Kg	99			40 (66)	160 (138)	
	Dibromochloromethane	20	20.9	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			70 (80)	130 (125)	
	Tetrachloroethene	20	22.2	ug/Kg	111			70 (83)	130 (125)	
	Chlorobenzene	20	20.8	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	20.6	ug/Kg	103			70 (82)	130 (124)	
	m/p-Xylenes	40	40.5	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	20.3	ug/Kg	102			70 (83)	130 (123)	
	Styrene	20	20.2	ug/Kg	101			70 (82)	130 (124)	
	Bromoform	20	19.1	ug/Kg	96			70 (75)	130 (127)	
	Isopropylbenzene	20	20.7	ug/Kg	104			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.6	ug/Kg	103			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	21.3	ug/Kg	106			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.7	ug/Kg	104			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2364

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022744.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0619SBS01	1,2-Dibromo-3-Chloropropane	20	19.7	ug/Kg	99			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2364

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022745.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0619SBSD01	Dichlorodifluoromethane	20	21.5	ug/Kg	108	5		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.2	ug/Kg	91	8		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	21.2	ug/Kg	106	7		70 (56)	130 (148)	30 (20)
	Bromomethane	20	20.9	ug/Kg	104	3		40 (58)	160 (141)	30 (20)
	Chloroethane	20	22.9	ug/Kg	115	8		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	23.7	ug/Kg	119	10		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	22.9	ug/Kg	115	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	21.5	ug/Kg	108	2		70 (79)	130 (121)	30 (20)
	Acetone	100	160	ug/Kg	160	13		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	20.3	ug/Kg	102	3		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	21.8	ug/Kg	109	11		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	21.9	ug/Kg	110	23		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	22.1	ug/Kg	111	7		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	22.5	ug/Kg	113	6		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	23.8	ug/Kg	119	7		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	20.5	ug/Kg	103	6		70 (76)	130 (122)	30 (20)
	2-Butanone	100	130	ug/Kg	130	8		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	21.7	ug/Kg	109	5		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	22.2	ug/Kg	111	5		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	22.7	ug/Kg	114	4		70 (80)	130 (127)	30 (20)
	Chloroform	20	23.1	ug/Kg	116	4		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	22.6	ug/Kg	113	3		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.0	ug/Kg	100	3		70 (77)	130 (123)	30 (20)
	Benzene	20	22.5	ug/Kg	113	5		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	22.8	ug/Kg	114	9		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	22.5	ug/Kg	113	4		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	23.4	ug/Kg	117	5		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	22.9	ug/Kg	115	5		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	19		40 (70)	160 (135)	30 (20)
	Toluene	20	21.7	ug/Kg	109	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	22.0	ug/Kg	110	12		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	22.4	ug/Kg	112	7		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	23.3	ug/Kg	117	10		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	120	ug/Kg	120	19		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	22.4	ug/Kg	112	7		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	22.4	ug/Kg	112	9		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	25.6	ug/Kg	128	14		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	22.3	ug/Kg	112	7		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	21.0	ug/Kg	105	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	41.9	ug/Kg	105	4		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.9	ug/Kg	104	2		70 (83)	130 (123)	30 (20)
	Styrene	20	21.2	ug/Kg	106	5		70 (82)	130 (124)	30 (20)
	Bromoform	20	22.5	ug/Kg	113	16		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.1	ug/Kg	106	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	6		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	21.7	ug/Kg	109	5		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	22.3	ug/Kg	112	6		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	22.3	ug/Kg	112	7		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2364

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022745.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0619SBSD01	1,2-Dibromo-3-Chloropropane	20	24.5	ug/Kg	123	22		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	21.2	ug/Kg	106	4		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	22.4	ug/Kg	112	13		70 (70)	130 (137)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0619SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2364 SAS No.: Q2364 SDG NO.: Q2364

Lab File ID: VY022743.D Lab Sample ID: VY0619SBL01

Date Analyzed: 06/19/2025 Time Analyzed: 09:48

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
VY0619SBS01	VY0619SBS01	VY022744.D	06/19/2025
VY0619SBSD01	VY0619SBSD01	VY022745.D	06/19/2025
GAV1B	Q2364-02	VY022752.D	06/19/2025
GAV2B	Q2364-04	VY022753.D	06/19/2025

COMMENTS:

Raw Data: **VY022488.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2364 SAS No.: Q2364 SDG NO.: Q2364

Lab File ID: VY022488.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:31

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	25.6
75	30.0 - 60.0% of mass 95	58.9
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	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022491.D	06/02/2025	11:46
VSTDICC010	VSTDICC010	VY022492.D	06/02/2025	12:09
VSTDICC020	VSTDICC020	VY022493.D	06/02/2025	12:32
VSTDICCC050	VSTDICCC050	VY022494.D	06/02/2025	12:54
VSTDICC100	VSTDICC100	VY022495.D	06/02/2025	13:17
VSTDICC150	VSTDICC150	VY022496.D	06/02/2025	13:39

Raw Data: **VY022741.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2364 SAS No.: Q2364 SDG NO.: Q2364

Lab File ID: VY022741.D BFB Injection Date: 06/19/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:38

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.3
75	30.0 - 60.0% of mass 95	58.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	87.2
175	5.0 - 9.0% of mass 174	7.3 (8.4) 1
176	95.0 - 101.0% of mass 174	84.3 (96.7) 1
177	5.0 - 9.0% of mass 176	5.5 (6.5) 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	VY022742.D	06/19/2025	09:10
VY0619SBL01	VY0619SBL01	VY022743.D	06/19/2025	09:48
VY0619SBS01	VY0619SBS01	VY022744.D	06/19/2025	10:26
VY0619SBSD01	VY0619SBSD01	VY022745.D	06/19/2025	10:49
GAV1B	Q2364-02	VY022752.D	06/19/2025	13:48
GAV2B	Q2364-04	VY022753.D	06/19/2025	14:11

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2364 SAS No.: Q2364 SDG NO.: Q2364

Lab File ID: VY022742.D Date Analyzed: 06/19/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:10

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	138661	7.71	231867	8.62	198920	11.41
UPPER LIMIT	277322	8.213	463734	9.116	397840	11.914
LOWER LIMIT	69330.5	7.213	115934	8.116	99460	10.914
EPA SAMPLE NO.						
GAV1B	89285	7.71	170451	8.62	144046	11.41
GAV2B	88870	7.71	166685	8.62	143096	11.41
VY0619SBL01	102602	7.71	191401	8.62	154033	11.41
VY0619SBS01	142585	7.71	243559	8.62	203825	11.41
VY0619SBSD01	135425	7.71	230490	8.62	196060	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.: Q2364 SAS No.: Q2364 SDG NO.: Q2364

Lab File ID: VY022742.D Date Analyzed: 06/19/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:10

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

	IS4 AREA #	RT #				
12 HOUR STD	92724	13.347				
UPPER LIMIT	185448	13.847				
LOWER LIMIT	46362	12.847				
EPA SAMPLE NO.						
GAV1B	53874	13.35				
GAV2B	54203	13.35				
VY0619SBL01	52432	13.35				
VY0619SBS01	92139	13.35				
VY0619SBSD01	90185	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: **VY022752.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	06/18/25
Project:	Ave B	Date Received:	06/18/25
Client Sample ID:	GAV1B	SDG No.:	Q2364
Lab Sample ID:	Q2364-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.5
Sample Wt/Vol:	5.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022752.D	1		06/19/25 13:48	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.50	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.87	U	0.87	5.50	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.50	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.50	ug/Kg
67-64-1	Acetone	5.20	U	5.20	27.4	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.80	U	0.80	5.50	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.50	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.94	U	0.94	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.88	U	0.88	5.50	ug/Kg
110-82-7	Cyclohexane	0.87	U	0.87	5.50	ug/Kg
78-93-3	2-Butanone	7.20	U	7.20	27.4	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.82	U	0.82	5.50	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.50	ug/Kg
67-66-3	Chloroform	0.92	U	0.92	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.50	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.87	U	0.87	5.50	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.85	U	0.85	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	27.4	ug/Kg
108-88-3	Toluene	0.85	U	0.85	5.50	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	06/18/25
Project:	Ave B	Date Received:	06/18/25
Client Sample ID:	GAV1B	SDG No.:	Q2364
Lab Sample ID:	Q2364-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.5
Sample Wt/Vol:	5.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022752.D	1		06/19/25 13:48	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.71	U	0.71	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.68	U	0.68	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	27.4	ug/Kg
124-48-1	Dibromochloromethane	0.95	U	0.95	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.96	U	0.96	5.50	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.50	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.73	U	0.73	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.0	ug/Kg
95-47-6	o-Xylene	0.90	U	0.90	5.50	ug/Kg
100-42-5	Styrene	0.78	U	0.78	5.50	ug/Kg
75-25-2	Bromoform	0.94	U	0.94	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.85	U	0.85	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.30	U	3.30	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	3.50	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		70 (63) - 130 (155)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	55.0		70 (70) - 130 (134)	110%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		70 (17) - 130 (146)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	89300	7.707			
540-36-3	1,4-Difluorobenzene	170000	8.615			
3114-55-4	Chlorobenzene-d5	144000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	53900	13.346			

Raw Data: **VY022752.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	06/18/25
Project:	Ave B	Date Received:	06/18/25
Client Sample ID:	GAV1B	SDG No.:	Q2364
Lab Sample ID:	Q2364-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.5
Sample Wt/Vol:	5.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022752.D	1		06/19/25 13:48	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022752.D
Acq On : 19 Jun 2025 13:48
Operator : SY/MD
Sample : Q2364-02
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

Quant Time: Jun 20 02:59:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	89285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	170451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	144046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	53874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55857	55.935	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.880%			
35) Dibromofluoromethane	7.640	113	55951	54.995	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.980%			
50) Toluene-d8	10.103	98	206564	50.248	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.401	95	51629	42.152	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.300%			
Target Compounds						Qvalue

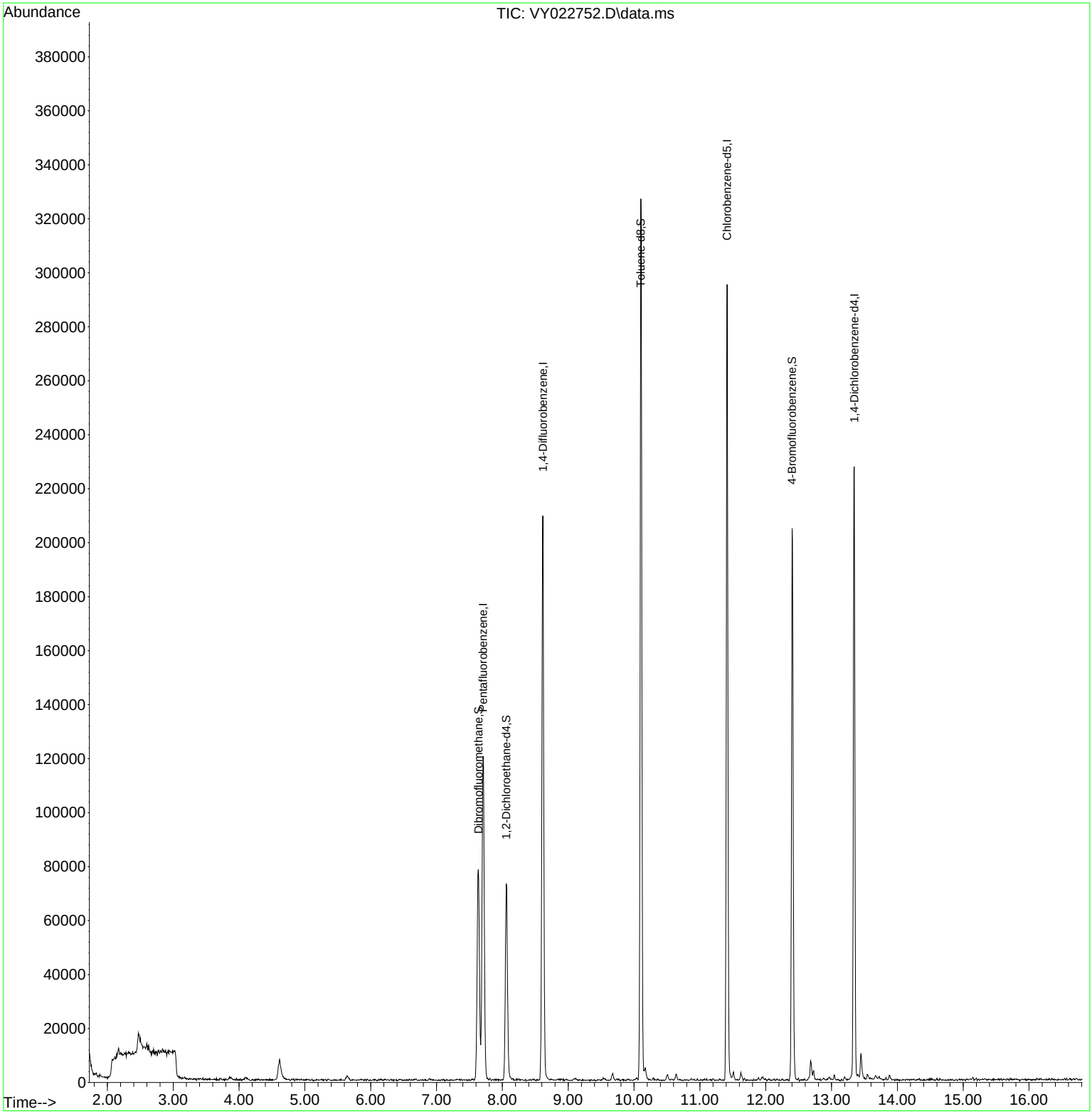
(#) = qualifier out of range (m) = manual integration (+) = signals summed

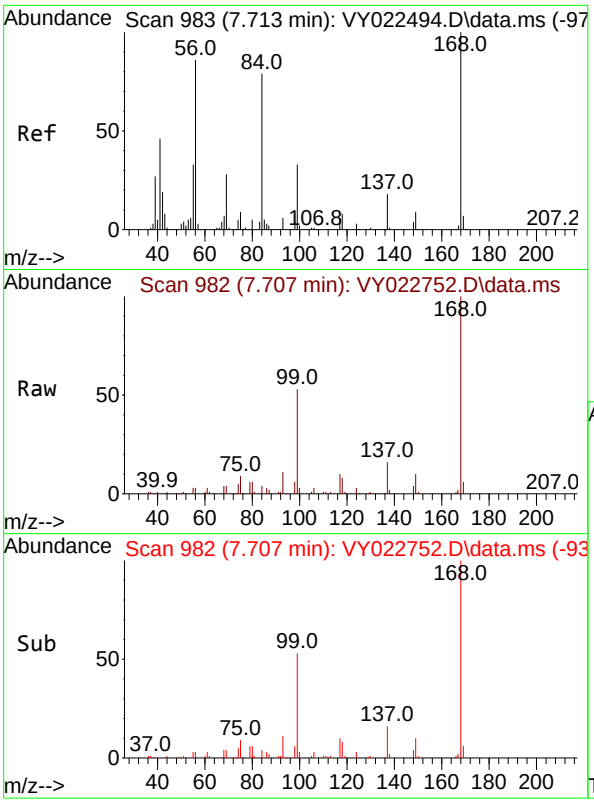
Sample Results: **VY022752.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022752.D
Acq On : 19 Jun 2025 13:48
Operator : SY/MD
Sample : Q2364-02
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

Quant Time: Jun 20 02:59:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



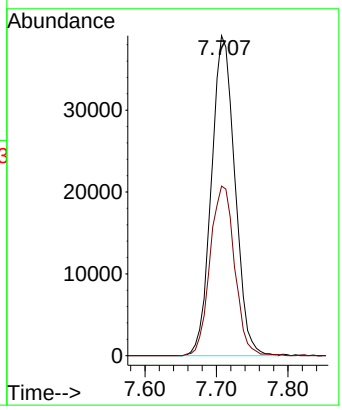


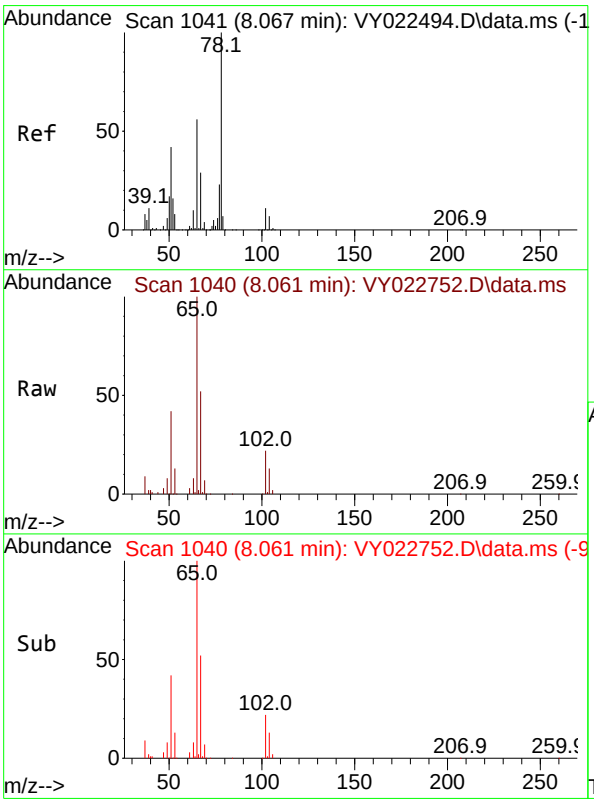
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

Tgt Ion:168 Resp: 89285

Ion	Ratio	Lower	Upper
168	100		
99	53.0	44.3	66.5

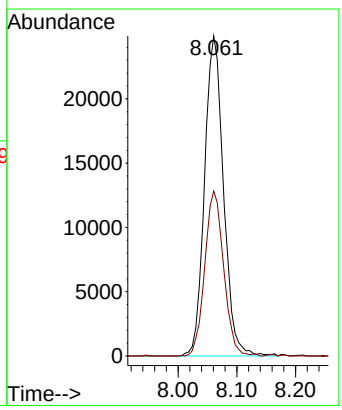


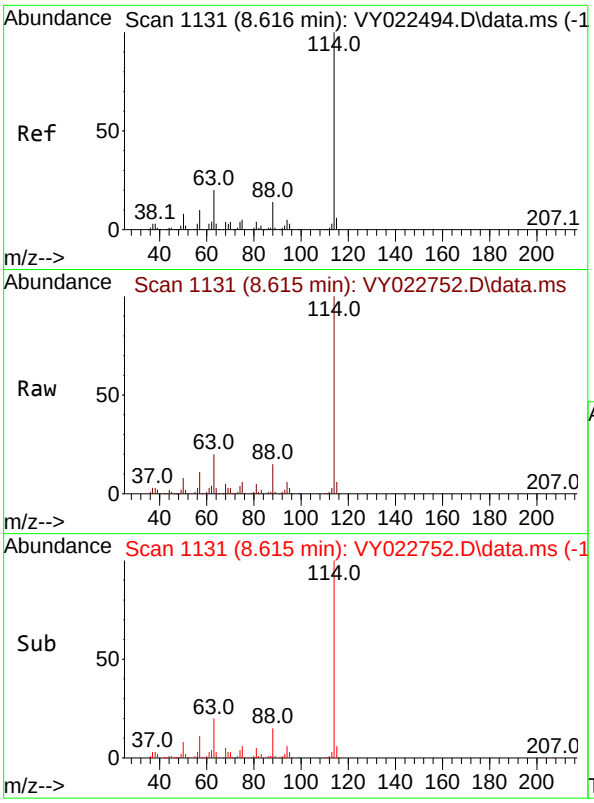


#33
1,2-Dichloroethane-d4
Concen: 55.935 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Tgt Ion: 65 Resp: 55857

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.4



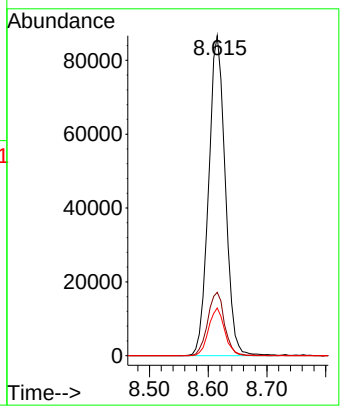


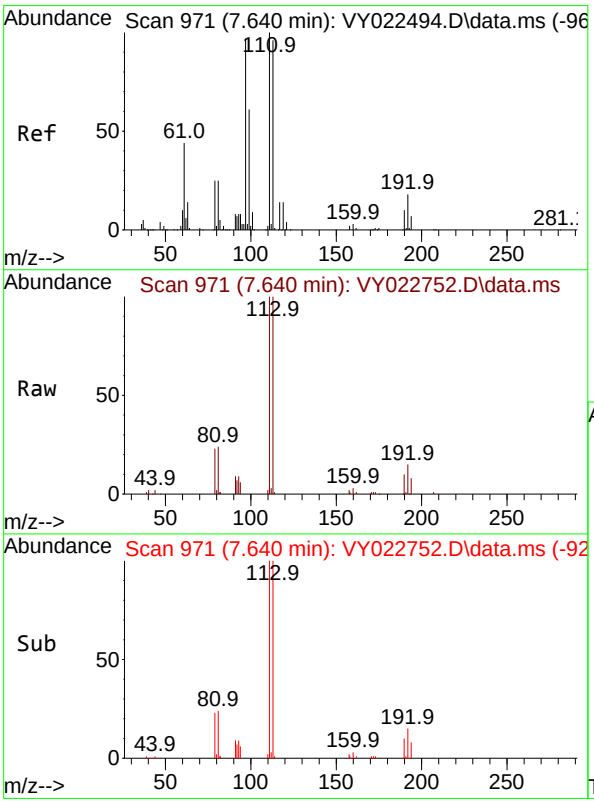
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

Tgt Ion:114 Resp: 170451

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.8
88	14.9	0.0	27.8

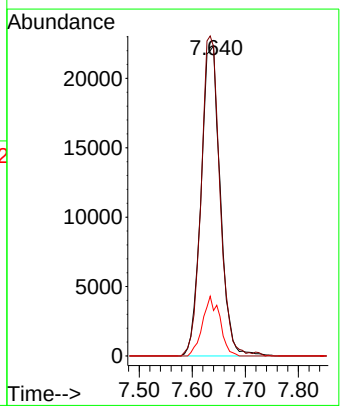


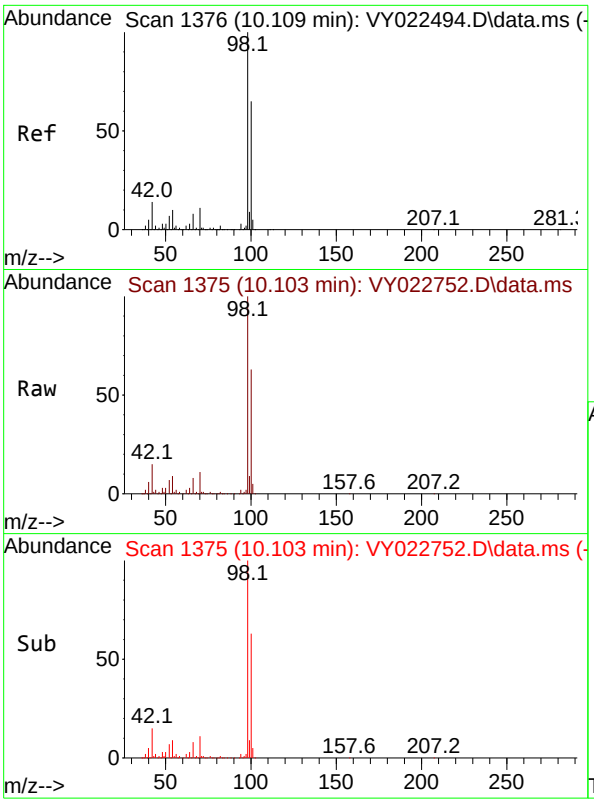


#35
Dibromofluoromethane
Concen: 54.995 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Tgt Ion:113 Resp: 55951

Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.1	121.7
192	17.6	14.2	21.2



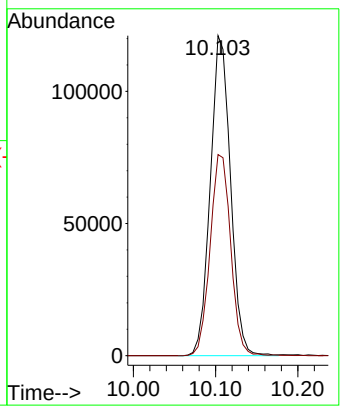


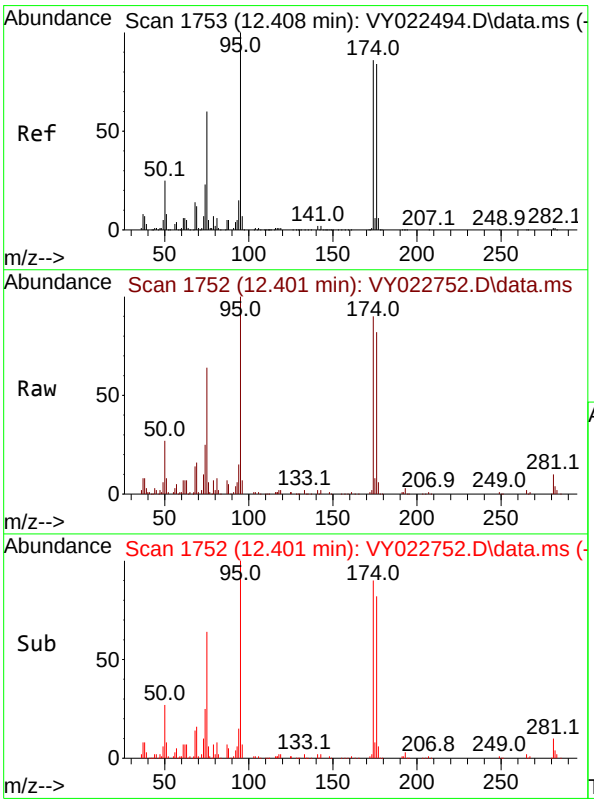
#50
Toluene-d8
Concen: 50.248 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

Tgt Ion: 98 Resp: 206564

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0

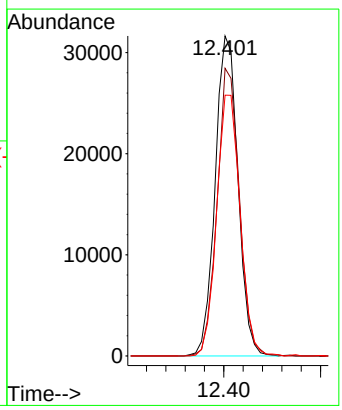


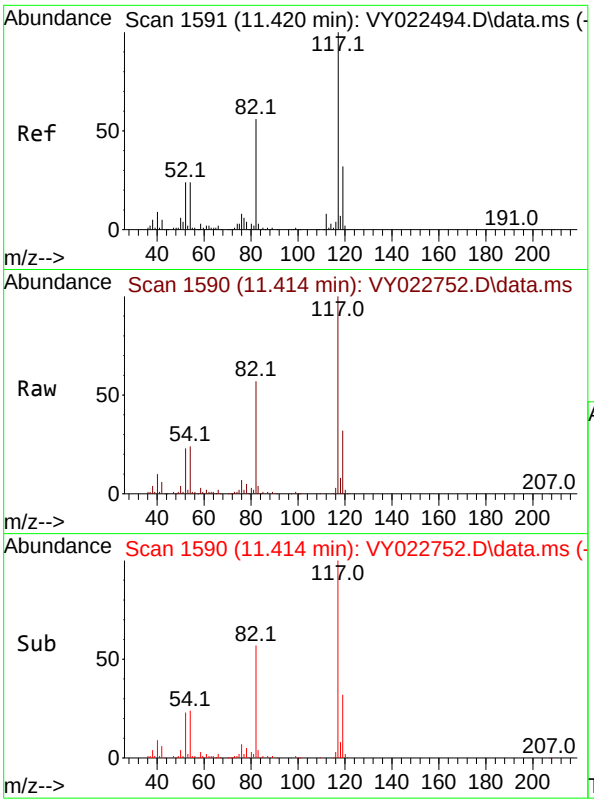


#62
4-Bromofluorobenzene
Concen: 42.152 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Tgt Ion: 95 Resp: 51629

Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	170.0
176	84.0	0.0	166.2



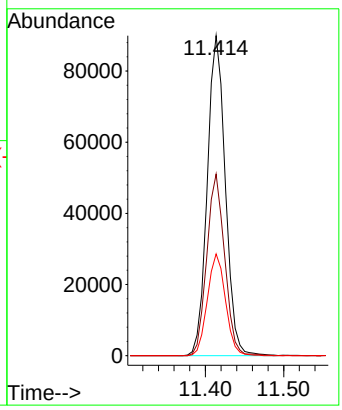


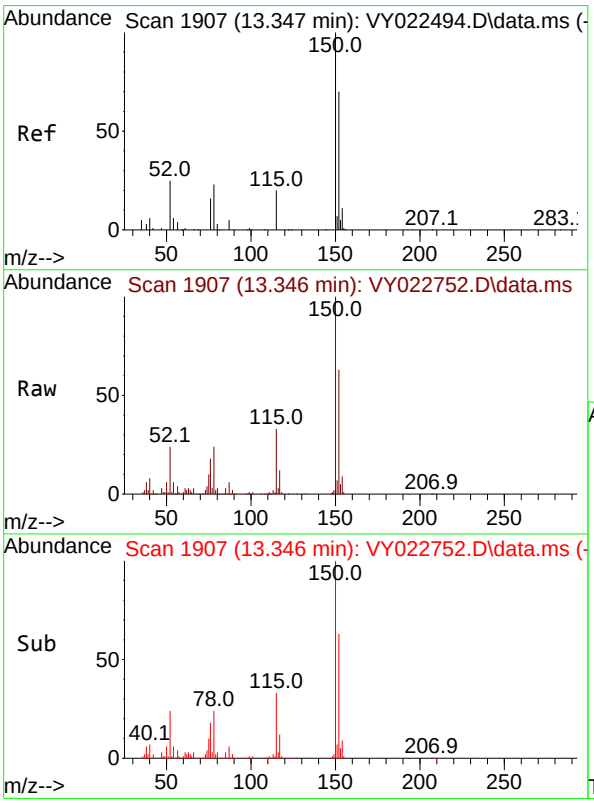
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

Tgt Ion:117 Resp: 144046

Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.6	66.8
119	31.8	25.4	38.0

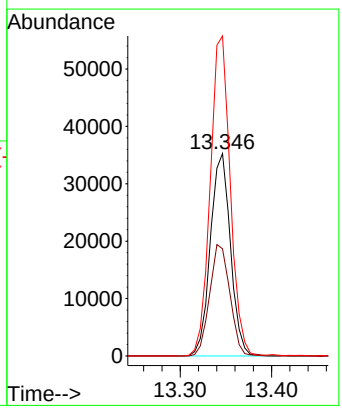




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Tgt Ion:152 Resp: 53874

Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.9	86.7
150	157.3	0.0	349.6



Sample Results: **VY022752.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022752.D
Acq On : 19 Jun 2025 13:48
Operator : SY/MD
Sample : Q2364-02
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022752.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	50	58	60	rBV3	6543	12421	2.20%	0.426%
2	2.470	119	123	127	rBV3	6423	12565	2.23%	0.431%
3	4.616	461	475	486	rBV8	7549	24150	4.28%	0.829%
4	7.634	959	970	976	rBV2	78135	192559	34.11%	6.612%
5	7.707	976	982	993	rVB	119634	280896	49.76%	9.645%
6	8.061	1031	1040	1054	rBV	72857	164971	29.22%	5.664%
7	8.615	1123	1131	1149	rVB	209119	414930	73.50%	14.247%
8	10.103	1368	1375	1382	rBV	326441	564537	100.00%	19.384%
9	10.170	1384	1386	1392	rVB3	4142	6166	1.09%	0.212%
10	11.414	1583	1590	1601	rBV	294811	479111	84.87%	16.451%
11	12.401	1744	1752	1765	rBV2	204706	366396	64.90%	12.581%
12	12.682	1791	1798	1803	rBV4	7183	13402	2.37%	0.460%
13	13.346	1893	1907	1914	rBV	227168	363955	64.47%	12.497%
14	13.450	1919	1924	1932	rVB2	9260	16330	2.89%	0.561%

Sum of corrected areas: 2912389

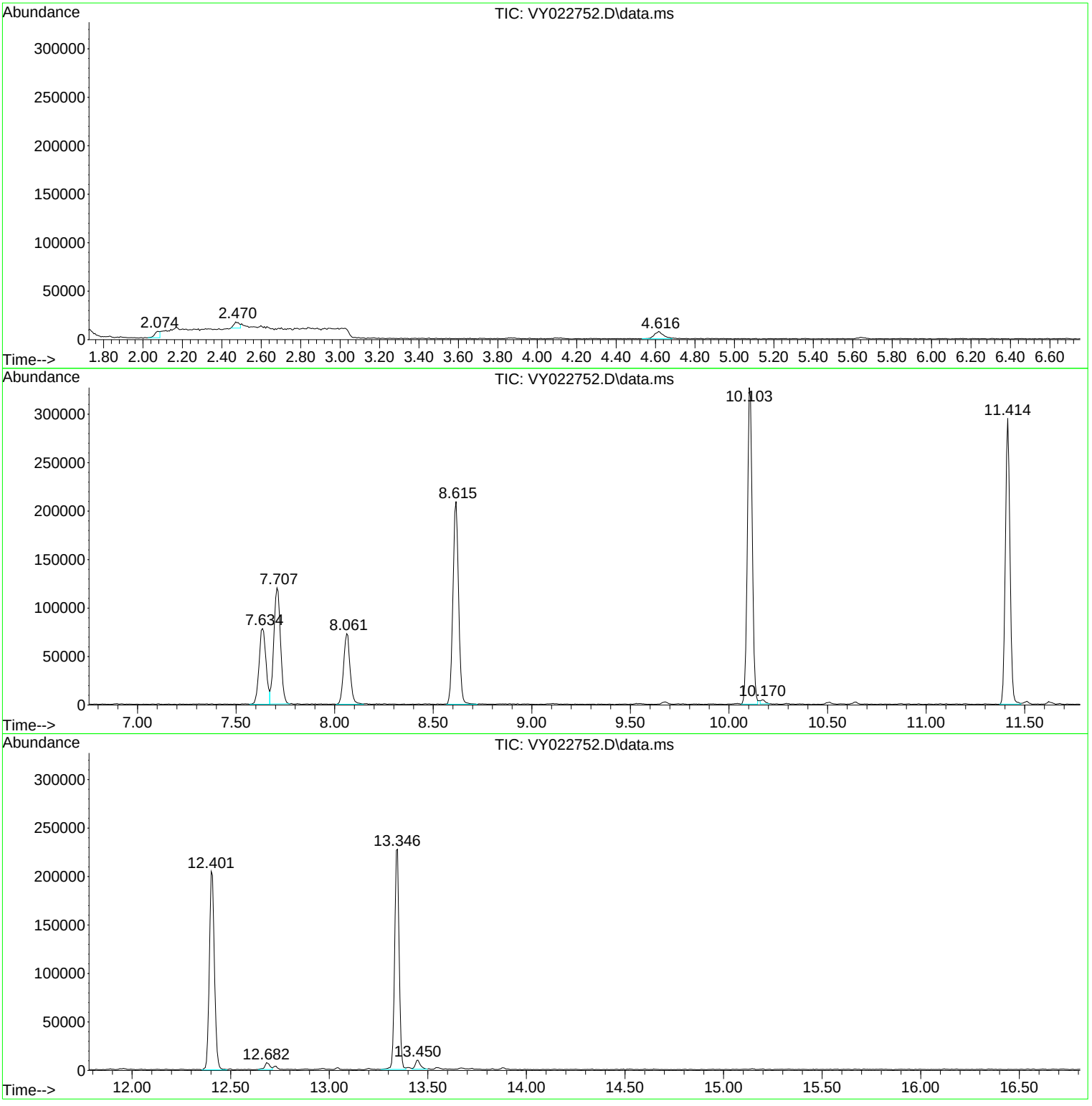
Sample Results: **VY022752.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022752.D
Acq On : 19 Jun 2025 13:48
Operator : SY/MD
Sample : Q2364-02
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022752.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022752.D
Acq On : 19 Jun 2025 13:48
Operator : SY/MD
Sample : Q2364-02
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY061925\
Data File : VY022752.D
Acq On : 19 Jun 2025 13:48
Operator : SY/MD
Sample : Q2364-02
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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: **VY022753.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:	06/18/25
Project:	Ave B	Date Received:	06/18/25
Client Sample ID:	GAV2B	SDG No.:	Q2364
Lab Sample ID:	Q2364-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	76.6
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022753.D	1		06/19/25 14:11	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.84	U	0.84	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	30.5		5.00	26.5	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.77	U	0.77	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	5.30	ug/Kg
110-82-7	Cyclohexane	0.84	U	0.84	5.30	ug/Kg
78-93-3	2-Butanone	6.90	U	6.90	26.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.89	U	0.89	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.30	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.97	U	0.97	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.5	ug/Kg
108-88-3	Toluene	0.83	U	0.83	5.30	ug/Kg

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:	06/18/25
Project:	Ave B	Date Received:	06/18/25
Client Sample ID:	GAV2B	SDG No.:	Q2364
Lab Sample ID:	Q2364-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	76.6
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022753.D	1		06/19/25 14:11	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.98	5.30	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.5	ug/Kg
124-48-1	Dibromochloromethane	0.92	U	0.92	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.97	U	0.97	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.6	ug/Kg
95-47-6	o-Xylene	0.87	U	0.87	5.30	ug/Kg
100-42-5	Styrene	0.75	U	0.75	5.30	ug/Kg
75-25-2	Bromoform	0.91	U	0.91	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.5		70 (63) - 130 (155)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		70 (17) - 130 (146)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	88900	7.707			
540-36-3	1,4-Difluorobenzene	167000	8.615			
3114-55-4	Chlorobenzene-d5	143000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	54200	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY022753.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:	06/18/25
Project:	Ave B	Date Received:	06/18/25
Client Sample ID:	GAV2B	SDG No.:	Q2364
Lab Sample ID:	Q2364-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	76.6
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022753.D	1		06/19/25 14:11	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000473-19-8	Bicyclo[2.2.1]heptane, 2,2,3-trime	25.1	J		12.8	ug/Kg
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	5.40	J		13.4	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\VY061925\
Data File : VY022753.D
Acq On : 19 Jun 2025 14:11
Operator : SY/MD
Sample : Q2364-04
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

Quant Time: Jun 20 02:59:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

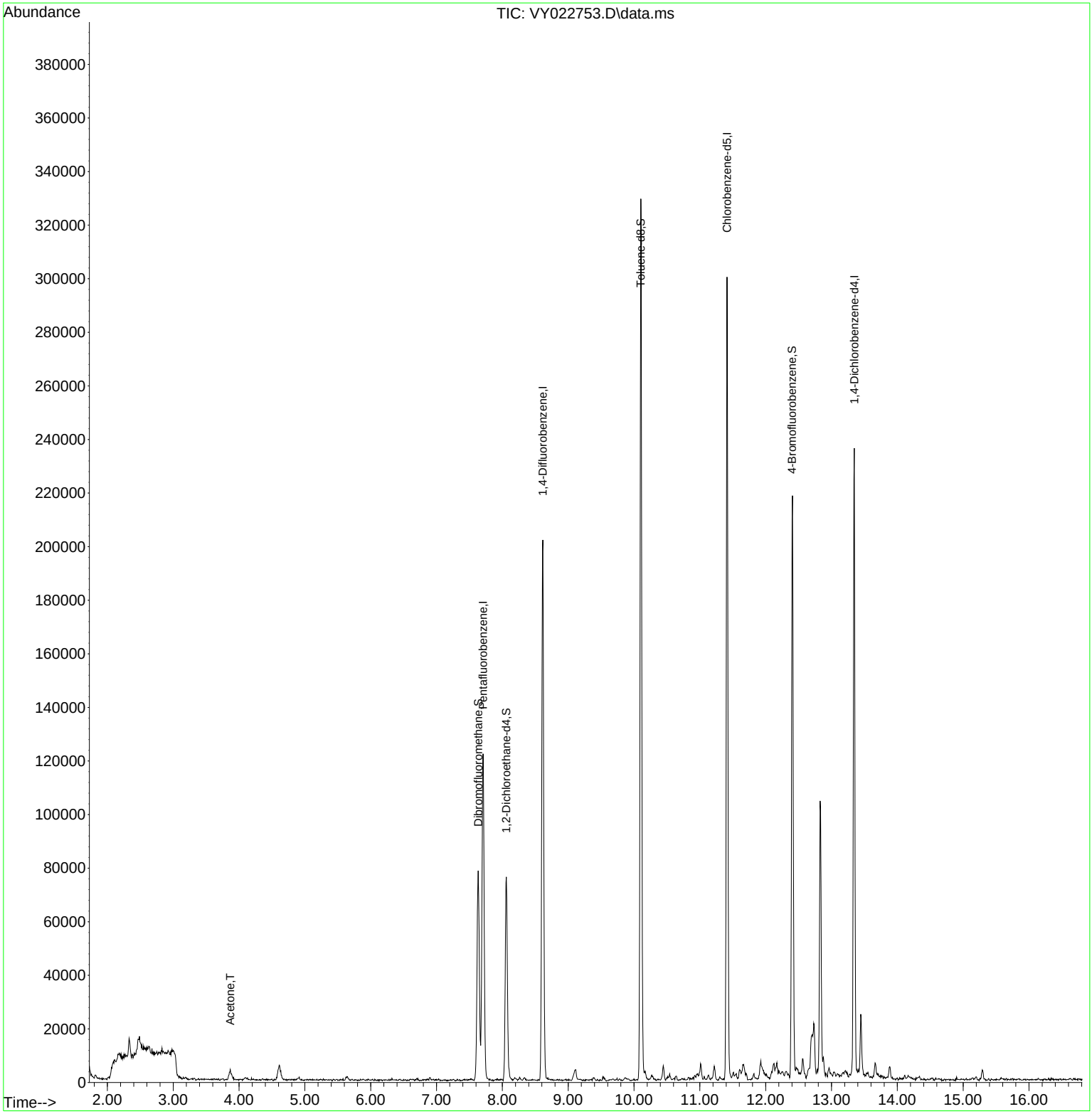
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	88870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	166685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	143096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	54203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	57181	57.528	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.060%			
35) Dibromofluoromethane	7.634	113	53231	53.503	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.000%			
50) Toluene-d8	10.103	98	202963	50.487	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.401	95	54005	45.088	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.180%			
Target Compounds						Qvalue
16) Acetone	3.866	43	5802	28.743	ug/l #	61

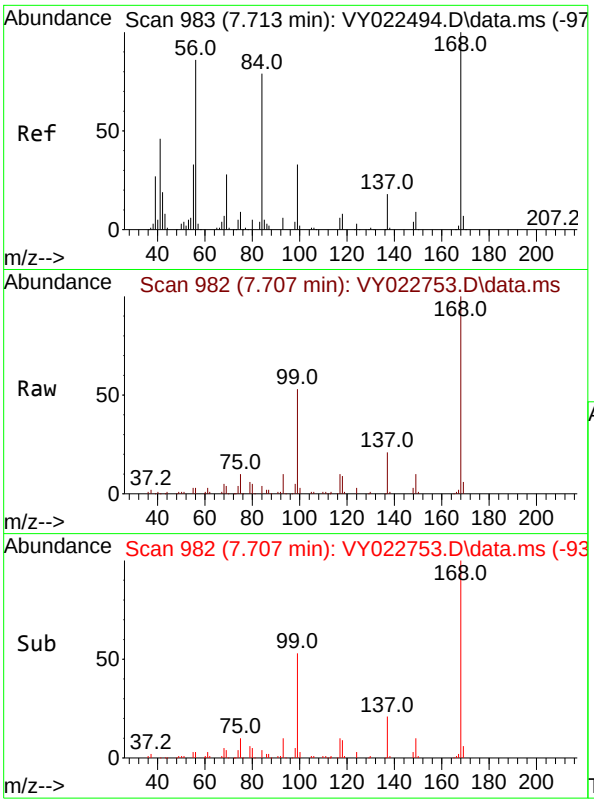
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022753.D
Acq On : 19 Jun 2025 14:11
Operator : SY/MD
Sample : Q2364-04
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

Quant Time: Jun 20 02:59:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



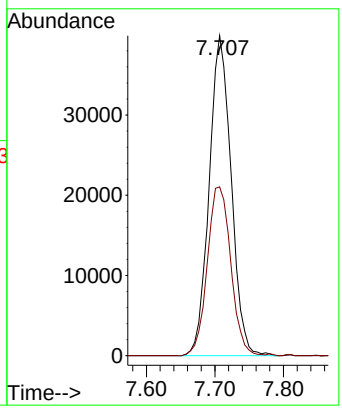


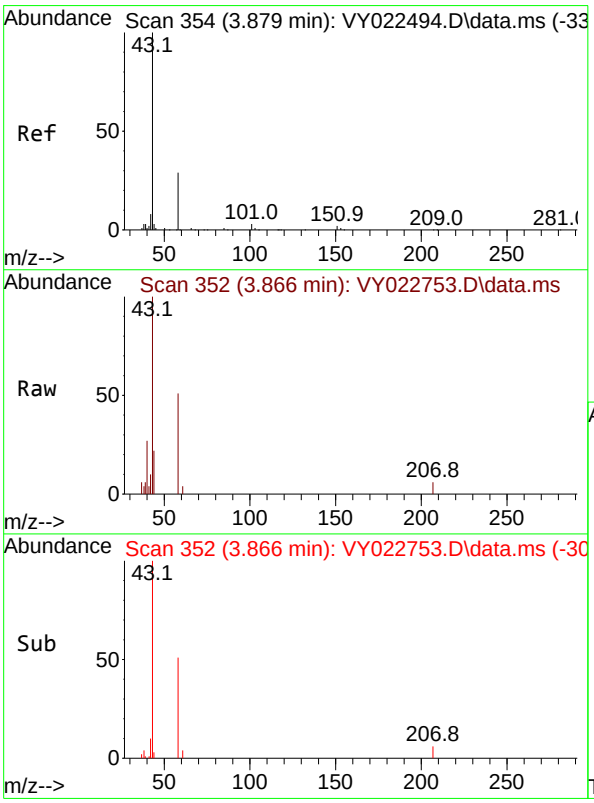
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

Tgt Ion:168 Resp: 88870

Ion	Ratio	Lower	Upper
168	100		
99	52.8	44.3	66.5

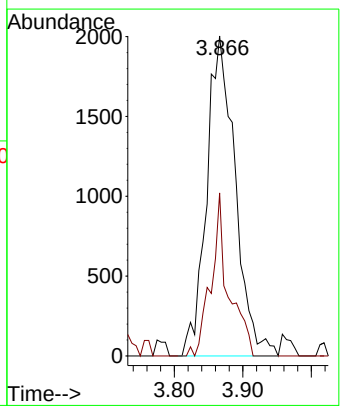


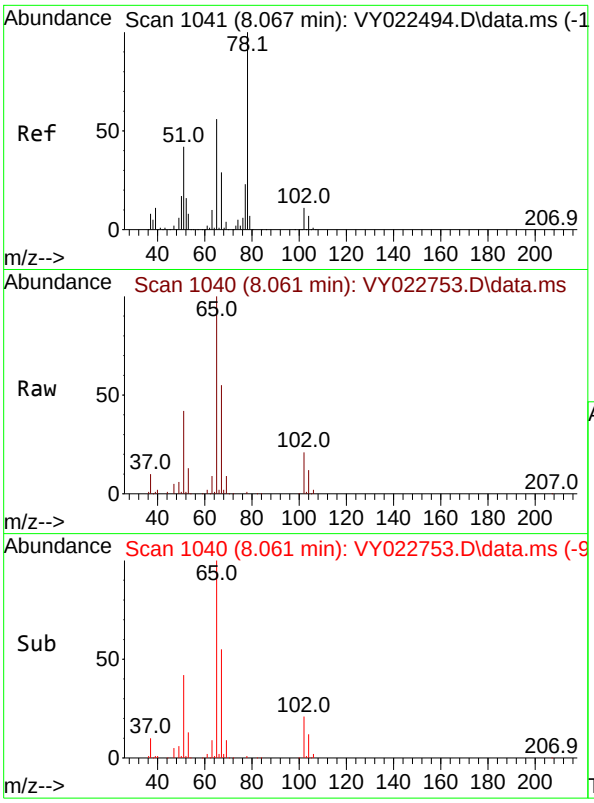


#16
Acetone
Concen: 28.743 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion: 43 Resp: 5802

Ion	Ratio	Lower	Upper
43	100		
58	50.9	24.0	36.0#



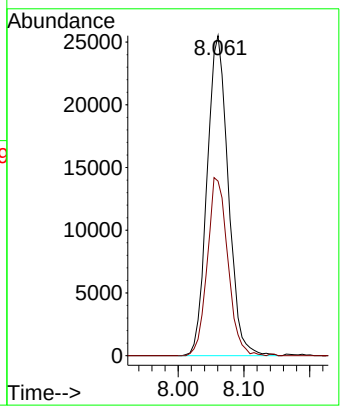


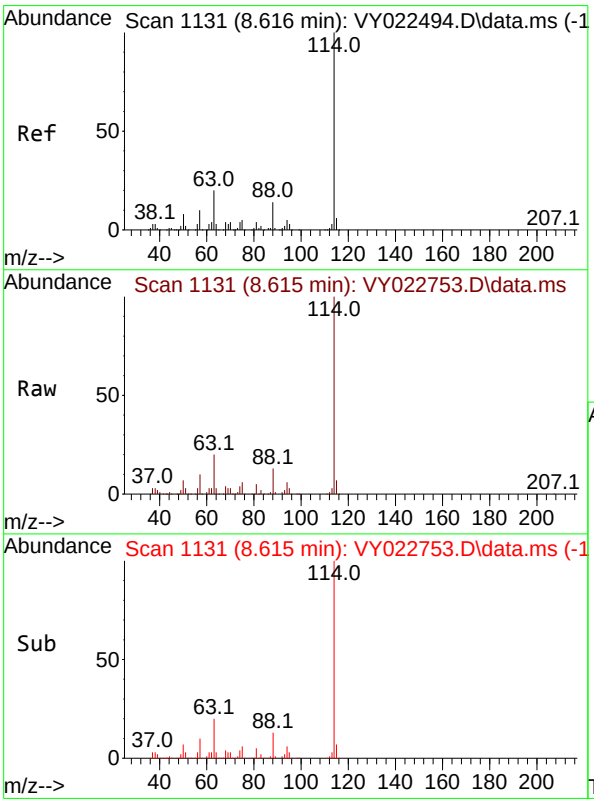
#33
1,2-Dichloroethane-d4
Concen: 57.528 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

Tgt Ion: 65 Resp: 57181

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	103.4

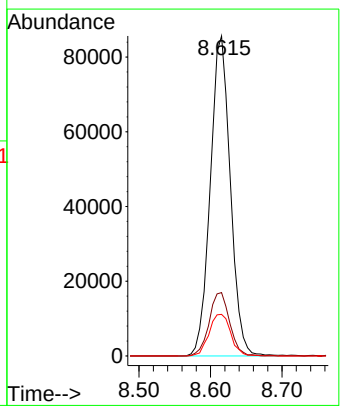


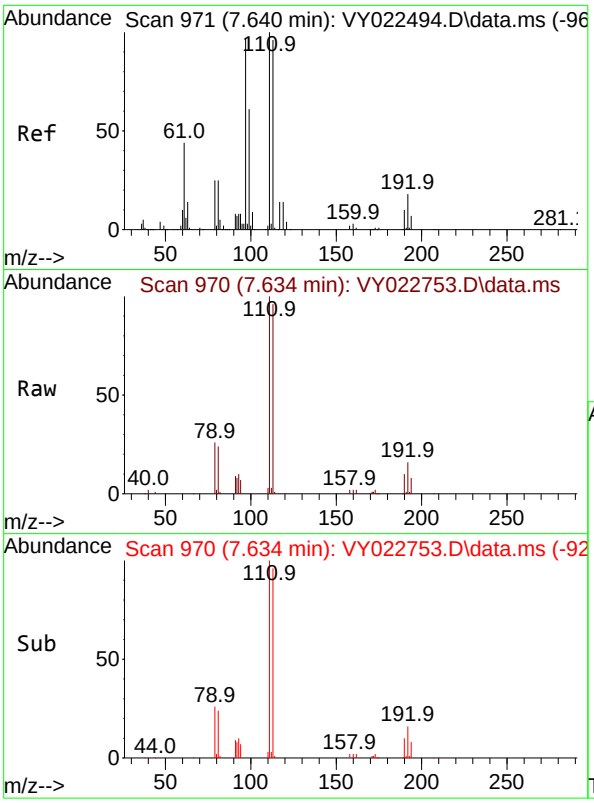


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion:114 Resp: 166685

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.8
88	13.0	0.0	27.8



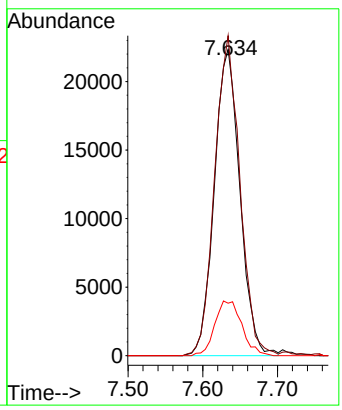


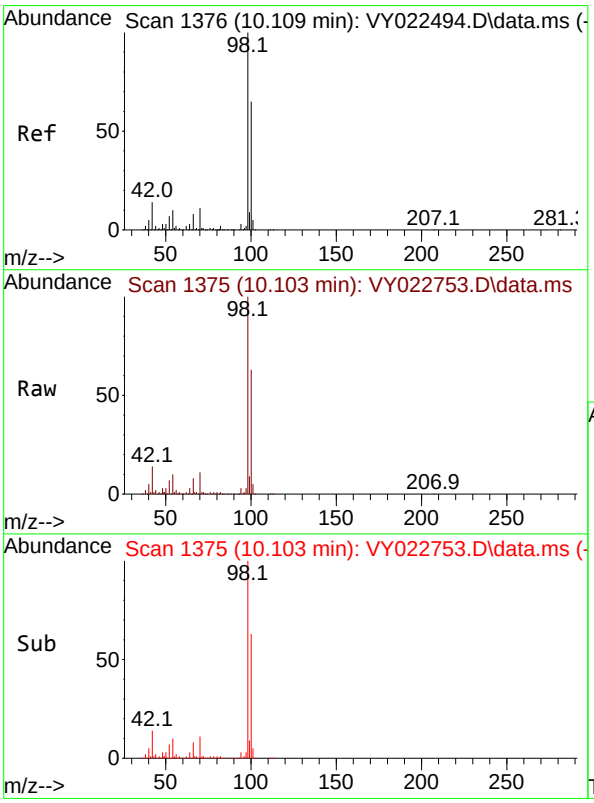
#35
Dibromofluoromethane
Concen: 53.503 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

Tgt Ion:113 Resp: 53231

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.1	121.7
192	18.9	14.2	21.2

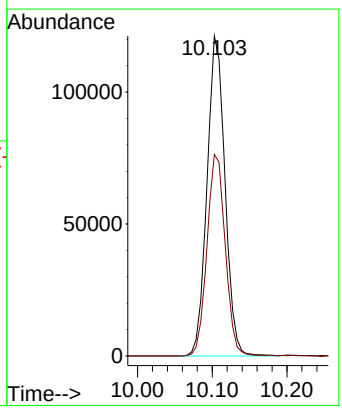


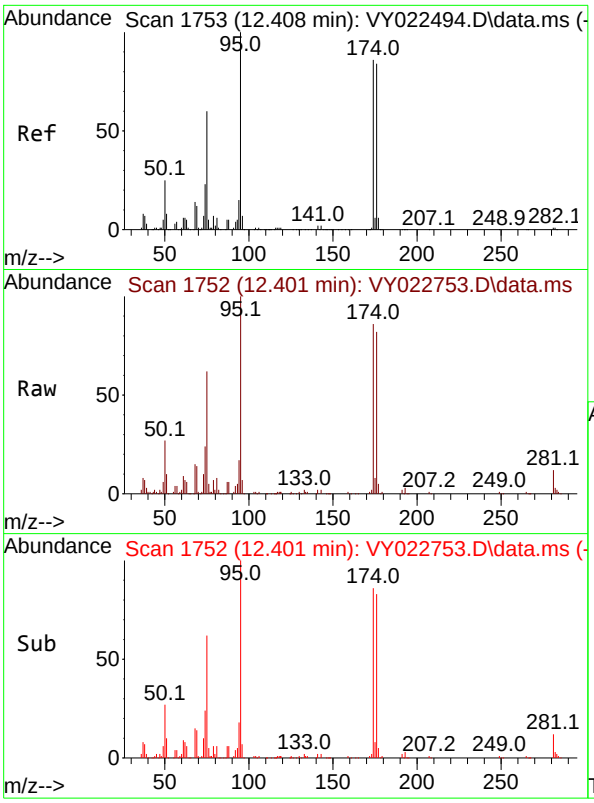


#50
Toluene-d8
Concen: 50.487 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion: 98 Resp: 202963

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0



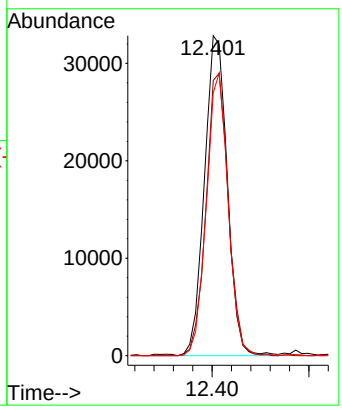


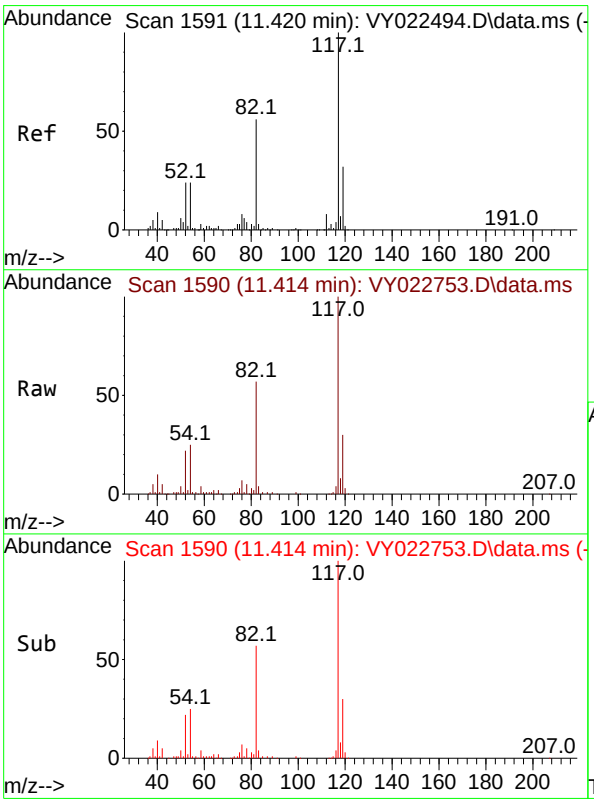
#62
4-Bromofluorobenzene
Concen: 45.088 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

Tgt Ion: 95 Resp: 54005

Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	170.0
176	83.5	0.0	166.2

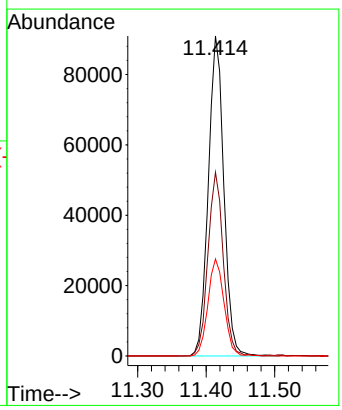


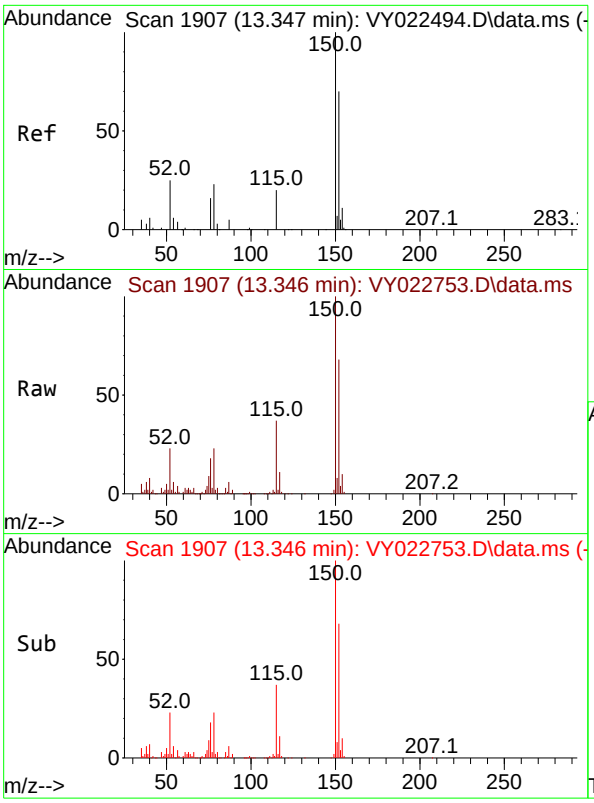


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.007 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion:117 Resp: 143096

Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	66.8
119	30.3	25.4	38.0



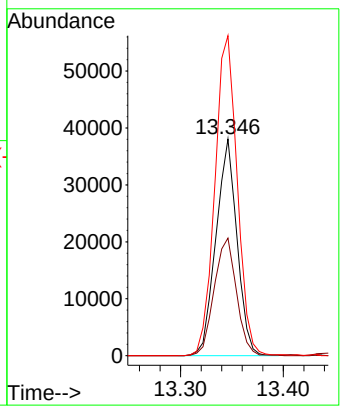


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

Tgt Ion:152 Resp: 54203

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.9	86.7
150	156.9	0.0	349.6



LSC Area Percent Report

Sample Results: **VY022753.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022753.D
Acq On : 19 Jun 2025 14:11
Operator : SY/MD
Sample : Q2364-04
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022753.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.092	51	61	62	rBV6	6266	15163	2.68%	0.458%
2	2.330	96	100	106	rVB2	7226	12570	2.22%	0.380%
3	3.866	344	352	359	rBV3	3818	9643	1.70%	0.291%
4	4.610	466	474	485	rVB3	5468	16398	2.90%	0.496%
5	7.634	960	970	976	rBV	78297	190430	33.65%	5.756%
6	7.707	976	982	992	rVB	121287	278741	49.25%	8.425%
7	8.061	1032	1040	1055	rBV	76101	174309	30.80%	5.268%
8	8.615	1122	1131	1140	rBV	201673	402510	71.12%	12.166%
9	9.115	1202	1213	1218	rBV8	4059	11892	2.10%	0.359%
10	10.103	1367	1375	1383	rBV	329002	565943	100.00%	17.105%
11	10.444	1424	1431	1437	rVB3	5500	9779	1.73%	0.296%
12	11.011	1519	1524	1530	rVB6	5822	10446	1.85%	0.316%
13	11.218	1552	1558	1567	rVB8	5328	10626	1.88%	0.321%
14	11.414	1582	1590	1601	rBV	299684	477359	84.35%	14.428%
15	11.603	1618	1621	1625	rBV6	3156	6118	1.08%	0.185%
16	11.664	1625	1631	1636	rVB8	4214	10367	1.83%	0.313%
17	11.926	1666	1674	1685	rBV9	6821	22014	3.89%	0.665%
18	12.127	1696	1707	1709	rBV5	5852	15147	2.68%	0.458%
19	12.170	1709	1714	1717	rVB6	4221	7756	1.37%	0.234%
20	12.407	1746	1753	1760	rBV2	217276	379842	67.12%	11.480%
21	12.560	1773	1778	1787	rVB7	7335	16644	2.94%	0.503%
22	12.706	1795	1802	1803	rBV5	12637	25468	4.50%	0.770%
23	12.730	1804	1806	1812	rVB5	18758	28184	4.98%	0.852%
24	12.828	1816	1822	1828	rVV2	101880	172340	30.45%	5.209%
25	12.877	1828	1830	1835	rVB5	7113	8927	1.58%	0.270%
26	12.962	1840	1844	1847	rBV6	3418	5730	1.01%	0.173%
27	13.346	1898	1907	1913	rBV	234094	364707	64.44%	11.023%
28	13.444	1919	1923	1930	rVB3	22644	37000	6.54%	1.118%
29	13.663	1955	1959	1966	rBV5	5096	9390	1.66%	0.284%
30	13.883	1991	1995	2000	rVB2	4274	7451	1.32%	0.225%
31	15.291	2221	2226	2230	rBV	3496	5723	1.01%	0.173%

Sum of corrected areas: 3308617

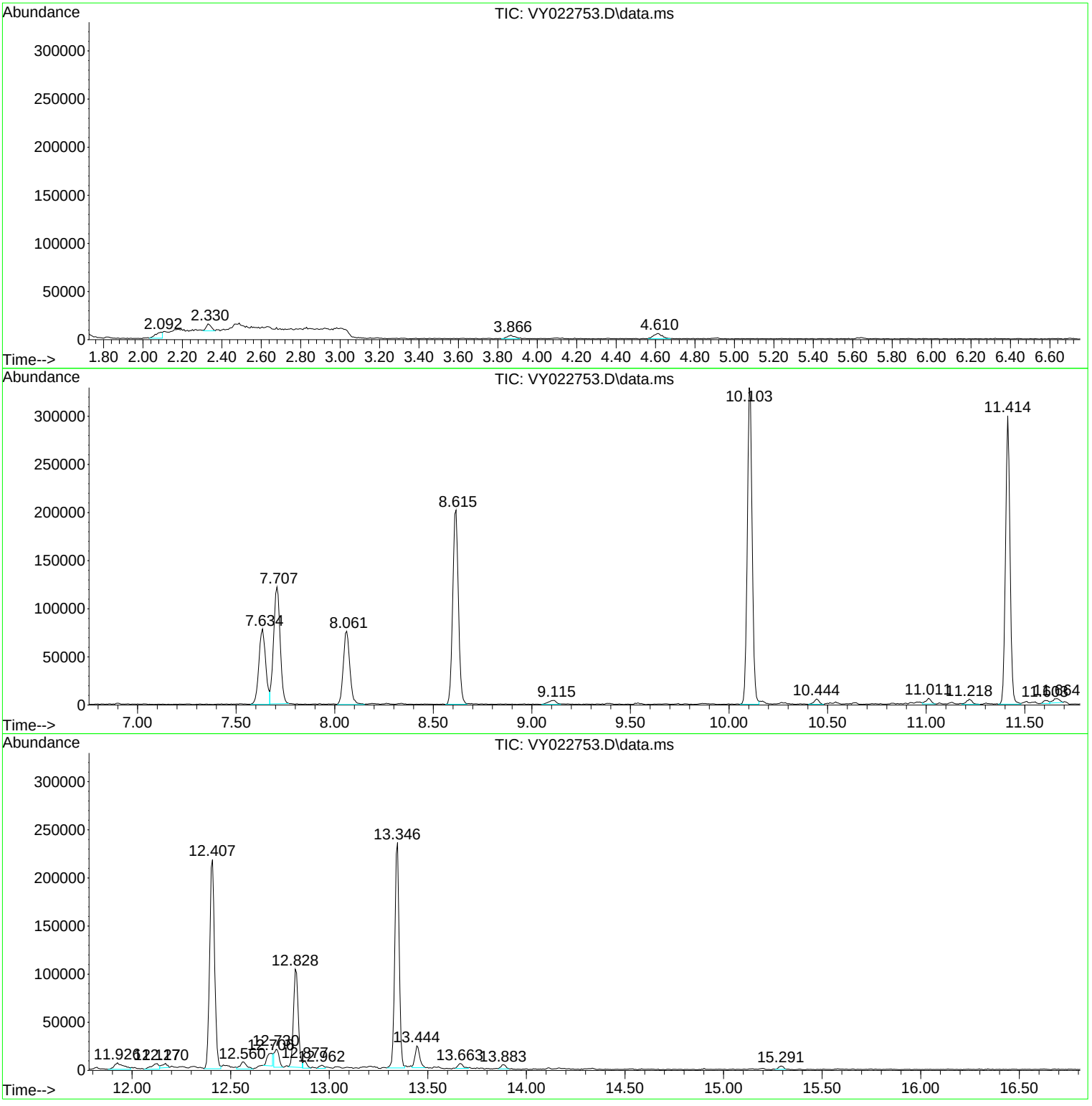
Sample Results: **VY022753.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022753.D
Acq On : 19 Jun 2025 14:11
Operator : SY/MD
Sample : Q2364-04
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Sample Results: **VY022753.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022753.D
Acq On : 19 Jun 2025 14:11
Operator : SY/MD
Sample : Q2364-04
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

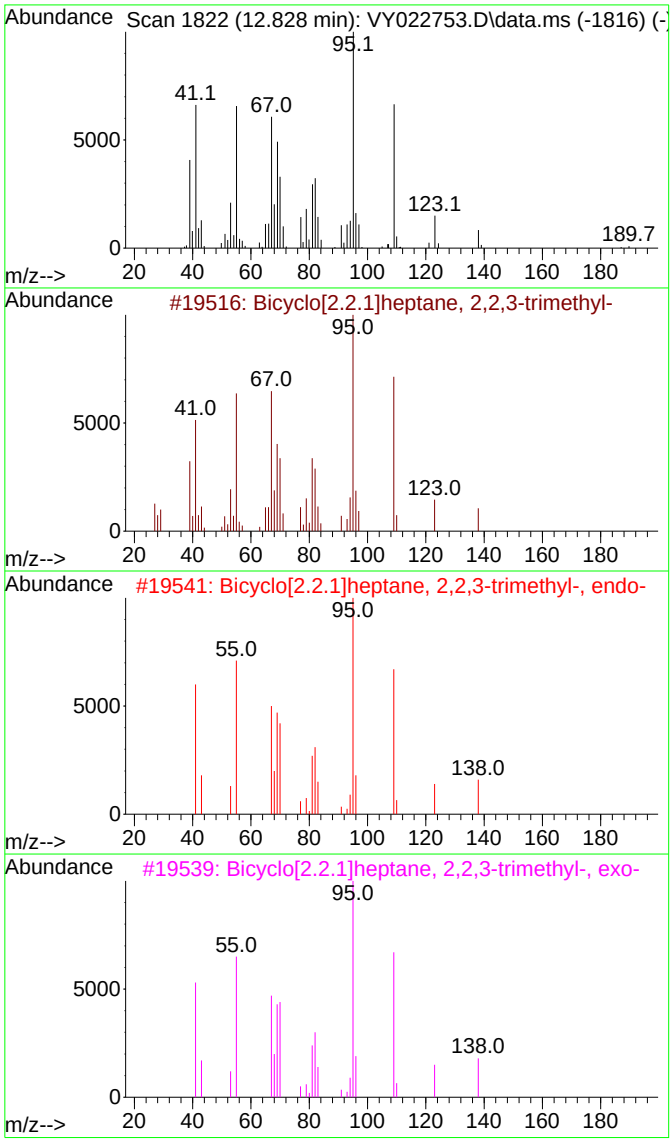
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

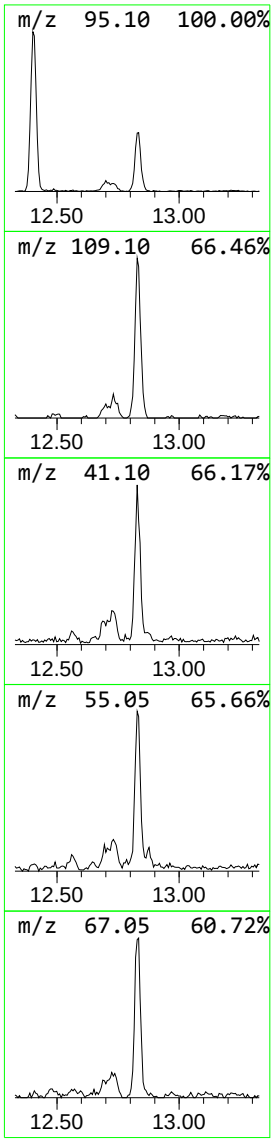
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.828	23.63 ug/l	172340	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	97
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	94
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	87
4	Cyclopentane, (3-methylbutylidene)-	138	C10H18	053366-51-1	58
5	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	013828-34-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022753.D
Acq On : 19 Jun 2025 14:11
Operator : SY/MD
Sample : Q2364-04
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

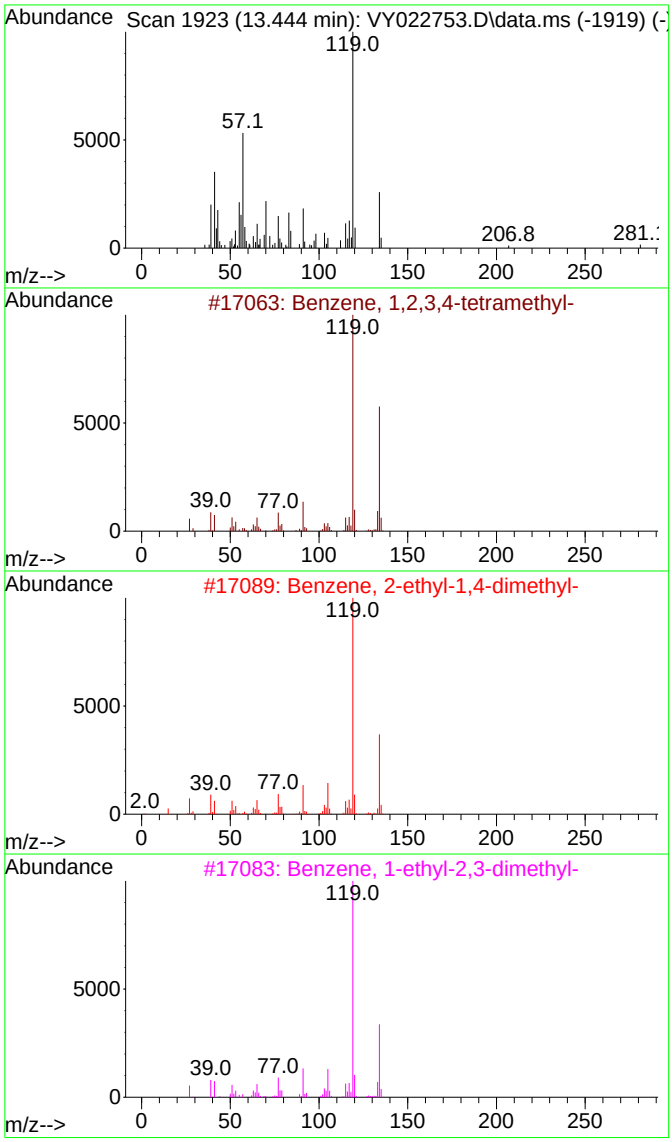
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

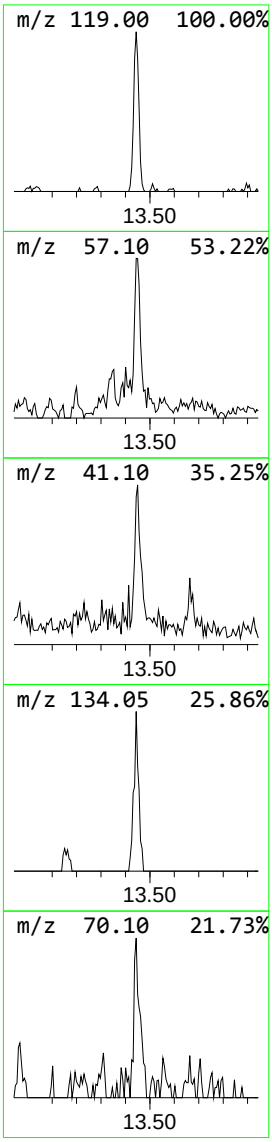
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	5.07 ug/l	37000	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	83
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022753.D
Acq On : 19 Jun 2025 14:11
Operator : SY/MD
Sample : Q2364-04
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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
Bicyclo[2.2.1]h...	12.828	23.6	ug/l	172340	4	13.346	364707	50.0
Benzene, 1,2,3,...	13.444	5.1	ug/l	37000	4	13.346	364707	50.0

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2364 SAS No.: Q2364 SDG No.: Q2364

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4
Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.9
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7
Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.2
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7
Bromochloromethane	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.9
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4
Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.9
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8

* 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.

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2364 SAS No.: Q2364 SDG No.: Q2364

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6
1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.9
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dibromo-3-Chloropropane	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.7
1,2,4-Trichlorobenzene	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.2
1,2,3-Trichlorobenzene	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.6

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025
Response Via : Initial Calibration

Calibration Files
5 =VY022491.D 10 =VY022492.D 20 =VY022493.D 50 =VY022494.D 100 =VY022495.D 150 =VY022496.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13.03
3)	P	Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.28
4)	C	Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.82#
5)	T	Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.82
6)	T	Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.84
7)	T	Trichlorofluor...	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.47
8)	T	Diethyl Ether	0.258	0.335	0.315	0.291	0.279	0.283	0.293	9.35
9)	T	1,1,2-Trichlor...	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.08
10)	T	Methyl Iodide	0.456	0.606	0.609	0.644	0.632	0.616	0.594	11.60
11)	T	Tert butyl alc...	0.034	0.046	0.045	0.039	0.038	0.038	0.040	11.73
12)	CM	1,1-Dichloroet...	0.469	0.577	0.549	0.518	0.510	0.523	0.524	6.96#
13)	T	Acrolein	0.056	0.046	0.053	0.048	0.050	0.046	0.050	8.21
14)	T	Allyl chloride	0.751	0.911	0.850	0.806	0.804	0.817	0.823	6.51
15)	T	Acrylonitrile	0.106	0.138	0.133	0.126	0.122	0.120	0.124	8.94
16)	T	Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.55
17)	T	Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.17
18)	T	Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.94
19)	T	Methyl tert-bu...	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.39
20)	T	Methylene Chlo...	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.74
21)	T	trans-1,2-Dich...	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.39
22)	T	Diisopropyl ether	1.616	1.984	1.933	1.818	1.800	1.842	1.832	6.96
23)	T	Vinyl Acetate	0.910	1.143	1.145	1.083	1.099	1.126	1.084	8.20
24)	P	1,1-Dichloroet...	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7.00
25)	T	2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.62
26)	T	2,2-Dichloropr...	0.836	1.032	0.972	0.947	0.953	0.982	0.954	6.84
27)	T	cis-1,2-Dichlo...	0.592	0.731	0.706	0.682	0.668	0.691	0.678	6.98
28)	T	Bromochloromet...	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.86
29)	T	Tetrahydrofuran	0.093	0.118	0.114	0.104	0.103	0.101	0.106	8.60
30)	C	Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.93#
31)	T	Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.22
32)	T	1,1,1-Trichlor...	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.36
33)	S	1,2-Dichloroet...	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.10
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.22
36)	T	1,1-Dichloropr...	0.416	0.512	0.492	0.486	0.490	0.510	0.484	7.30
37)	T	Ethyl Acetate	0.181	0.217	0.231	0.229	0.221	0.216	0.216	8.41
38)	T	Carbon Tetrach...	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.49
39)	T	Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.85
40)	TM	Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.67
41)	T	Methacrylonitrile	0.119	0.123	0.132	0.125	0.135	0.124	0.126	4.74
42)	TM	1,2-Dichloroet...	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.39
43)	T	Isopropyl Acetate	0.377	0.497	0.499	0.478	0.475	0.474	0.467	9.72
44)	TM	Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.73
45)	C	1,2-Dichloropr...	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.61#
46)	T	Dibromomethane	0.158	0.199	0.201	0.193	0.192	0.197	0.190	8.46
47)	T	Bromodichlorom...	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.71
48)	T	Methyl methacr...	0.183	0.220	0.234	0.222	0.226	0.229	0.219	8.29
49)	T	1,4-Dioxane	0.002	0.002	0.003	0.002	0.002	0.002	0.002	9.33
50)	S	Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.25
51)	T	4-Methyl-2-Pen...	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.13
52)	CM	Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.76#
53)	T	t-1,3-Dichloro...	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.20
54)	T	cis-1,3-Dichlo...	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.67
55)	T	1,1,2-Trichlor...	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.73
56)	T	Ethyl methacry...	0.257	0.357	0.370	0.363	0.373	0.383	0.351	13.32

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y060225S.M

57)	T	1,3-Dichloropr...	0.358	0.462	0.448	0.435	0.434	0.443	0.430	8.57
58)	T	2-Chloroethyl ...	0.137	0.143	0.160	0.159	0.174	0.181	0.159	10.80
59)	T	2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.34
60)	T	Dibromochlorom...	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.61
61)	T	1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.87
62)	S	4-Bromofluorob...	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.62
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.66
65)	PM	Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.54
66)	T	1,1,1,2-Tetrac...	0.291	0.383	0.379	0.379	0.385	0.419	0.373	11.51
67)	C	Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.90#
68)	T	m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.94
69)	T	o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11.05
70)	T	Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.93
71)	P	Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.68
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.26
74)	T	N-amyl acetate	0.754	1.078	1.081	1.072	1.103	1.127	1.036	13.49
75)	P	1,1,2,2-Tetrac...	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.25
76)	T	1,2,3-Trichlor...	0.585	0.610	0.582	0.630	0.511	0.514	0.572	8.62
77)	T	Bromobenzene	0.723	0.924	0.890	0.868	0.867	0.925	0.866	8.63
78)	T	n-propylbenzene	4.424	5.221	4.962	5.067	5.051	5.357	5.014	6.40
79)	T	2-Chlorotoluene	2.378	2.742	2.653	2.676	2.666	2.828	2.657	5.71
80)	T	1,3,5-Trimethy...	2.748	3.317	3.240	3.260	3.275	3.497	3.223	7.77
81)	T	trans-1,4-Dich...	0.203	0.255	0.241	0.234	0.241	0.247	0.237	7.60
82)	T	4-Chlorotoluene	2.386	2.865	2.677	2.775	2.784	2.960	2.741	7.23
83)	T	tert-Butylbenzene	2.444	2.979	2.900	2.899	2.952	3.181	2.893	8.41
84)	T	1,2,4-Trimethy...	2.719	3.307	3.189	3.220	3.304	3.599	3.223	8.89
85)	T	sec-Butylbenzene	3.877	4.652	4.352	4.466	4.488	4.746	4.430	6.89
86)	T	p-Isopropyltol...	3.038	3.638	3.591	3.655	3.824	4.163	3.652	10.04
87)	T	1,3-Dichlorobe...	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.29
88)	T	1,4-Dichlorobe...	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.34
89)	T	n-Butylbenzene	2.956	3.551	3.459	3.534	3.537	3.750	3.464	7.72
90)	T	Hexachloroethane	0.632	0.745	0.712	0.716	0.709	0.751	0.711	6.01
91)	T	1,2-Dichlorobe...	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.35
92)	T	1,2-Dibromo-3-...	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.72
93)	T	1,2,4-Trichlor...	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.20
94)	T	Hexachlorobuta...	0.440	0.480	0.441	0.447	0.441	0.442	0.449	3.46
95)	T	Naphthalene	1.187	1.604	1.614	1.620	1.663	1.670	1.560	11.84
96)	T	1,2,3-Trichlor...	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.33

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	201089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	353755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	289394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10508	4.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.600%#		
35) Dibromofluoromethane	7.646	113	9323	4.477	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.960%#		
50) Toluene-d8	10.109	98	37729	4.482	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.960%#		
62) 4-Bromofluorobenzene	12.408	95	11988	4.697	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.400%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	8717	4.961	ug/l	99
3) Chloromethane	2.068	50	26535	5.119	ug/l	98
4) Vinyl Chloride	2.208	62	27572	4.544	ug/l	98
5) Bromomethane	2.598	94	27457	4.784	ug/l	98
6) Chloroethane	2.739	64	19566	4.710	ug/l	95
7) Trichlorofluoromethane	3.062	101	22825	4.428	ug/l	92
8) Diethyl Ether	3.464	74	5184	4.553	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	10259	4.744	ug/l	97
10) Methyl Iodide	4.007	142	9174	3.956	ug/l #	95
11) Tert butyl alcohol	4.891	59	3374	21.587	ug/l #	88
12) 1,1-Dichloroethene	3.799	96	9440	4.573	ug/l	97
13) Acrolein	3.671	56	5656	29.646	ug/l	95
14) Allyl chloride	4.391	41	15096	4.693	ug/l	98
15) Acrylonitrile	5.080	53	10667	22.026	ug/l	97
16) Acetone	3.885	43	13023	30.108	ug/l #	87
17) Carbon Disulfide	4.110	76	30222	4.586	ug/l	99
18) Methyl Acetate	4.397	43	5630	4.327	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	26276	4.562	ug/l	97
20) Methylene Chloride	4.622	84	17312	7.168	ug/l	89
21) trans-1,2-Dichloroethene	5.116	96	10489	4.549	ug/l	86
22) Diisopropyl ether	6.037	45	32497	4.544	ug/l	95
23) Vinyl Acetate	5.970	43	91478	21.559	ug/l	98
24) 1,1-Dichloroethane	5.921	63	19460	4.603	ug/l	97
25) 2-Butanone	6.909	43	14423	22.605	ug/l	95
26) 2,2-Dichloropropane	6.896	77	16805	4.471	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	11906	4.467	ug/l	98
28) Bromochloromethane	7.250	49	9453	5.175	ug/l	100
29) Tetrahydrofuran	7.274	42	9377	22.781	ug/l	95
30) Chloroform	7.427	83	19302	4.620	ug/l	87
31) Cyclohexane	7.707	56	23482	5.519	ug/l #	90
32) 1,1,1-Trichloroethane	7.628	97	16476	4.413	ug/l	98
36) 1,1-Dichloropropene	7.841	75	14700	4.367	ug/l	99
37) Ethyl Acetate	6.994	43	6409m	4.326	ug/l	
38) Carbon Tetrachloride	7.823	117	14691	4.233	ug/l	95
39) Methylcyclohexane	9.109	83	20076	4.415	ug/l	95
40) Benzene	8.085	78	42926	4.326	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4192	4.394	ug/l	#	89
42) 1,2-Dichloroethane	8.164	62	11332	4.198	ug/l		99
43) Isopropyl Acetate	8.207	43	13330	4.117	ug/l		95
44) Trichloroethene	8.872	130	10404	4.292	ug/l		79
45) 1,2-Dichloropropane	9.146	63	9678	4.091	ug/l		100
46) Dibromomethane	9.244	93	5596	4.223	ug/l		95
47) Bromodichloromethane	9.433	83	13448	3.999	ug/l		96
48) Methyl methacrylate	9.225	41	6483	4.374	ug/l		91
49) 1,4-Dioxane	9.231	88	1356m	85.767	ug/l		
51) 4-Methyl-2-Pentanone	10.000	43	30969	19.273	ug/l		98
52) Toluene	10.170	92	25893	4.150	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	12388	3.982	ug/l		91
54) cis-1,3-Dichloropropene	9.859	75	14966	4.103	ug/l		100
55) 1,1,2-Trichloroethane	10.579	97	7318	4.385	ug/l		98
56) Ethyl methacrylate	10.445	69	9092	3.751	ug/l		94
57) 1,3-Dichloropropane	10.719	76	12648	4.255	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	24214	22.409	ug/l		97
59) 2-Hexanone	10.768	43	21243	19.832	ug/l		94
60) Dibromochloromethane	10.914	129	8781	4.152	ug/l		94
61) 1,2-Dibromoethane	11.018	107	6146	3.991	ug/l		100
64) Tetrachloroethene	10.652	164	10863	4.417	ug/l		95
65) Chlorobenzene	11.444	112	27467	4.377	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	8422	3.959	ug/l		94
67) Ethyl Benzene	11.524	91	47883	4.098	ug/l		96
68) m/p-Xylenes	11.627	106	35645	8.060	ug/l		99
69) o-Xylene	11.956	106	16866	4.075	ug/l		95
70) Styrene	11.975	104	26313	3.840	ug/l		99
71) Bromoform	12.133	173	4649	4.159	ug/l	#	97
73) Isopropylbenzene	12.255	105	44350	4.307	ug/l		100
74) N-amyl acetate	12.072	43	9632	3.699	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	7289	4.359	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	7478m	4.432	ug/l		
77) Bromobenzene	12.536	156	9241	4.234	ug/l		95
78) n-propylbenzene	12.597	91	56543	4.511	ug/l		98
79) 2-Chlorotoluene	12.682	91	30387	4.591	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	35122	4.362	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	2596	4.411	ug/l		96
82) 4-Chlorotoluene	12.780	91	30501	4.447	ug/l		99
83) tert-Butylbenzene	12.999	119	31232	4.252	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	34752	4.314	ug/l		100
85) sec-Butylbenzene	13.176	105	49546	4.449	ug/l		99
86) p-Isopropyltoluene	13.292	119	38822	4.240	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	19350	4.431	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	19268	4.529	ug/l		91
89) n-Butylbenzene	13.615	91	37774	4.333	ug/l		100
90) Hexachloroethane	13.883	117	8072	4.506	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	15922	4.244	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	949	3.754	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	8529	4.159	ug/l		95
94) Hexachlorobutadiene	15.023	225	5627	5.024	ug/l		98
95) Naphthalene	15.145	128	15167	3.859	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	7952	4.563	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

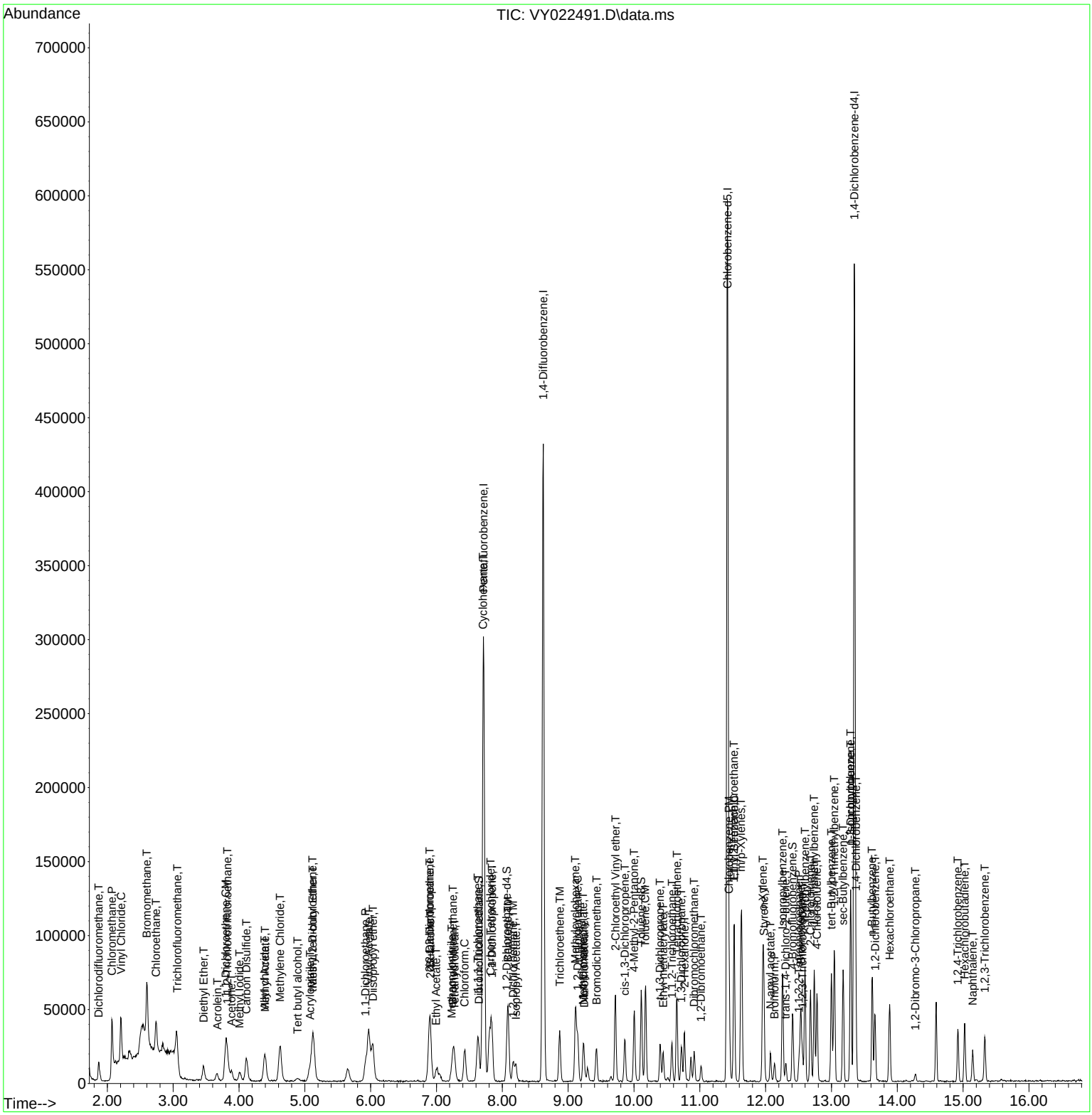
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	211235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	366386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24246	10.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.100%#		
35) Dibromofluoromethane	7.646	113	20743	9.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.240%#		
50) Toluene-d8	10.109	98	86561	9.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.860%#		
62) 4-Bromofluorobenzene	12.408	95	24870	9.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.820%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22911	12.412	ug/l	99
3) Chloromethane	2.068	50	67191	12.339	ug/l	99
4) Vinyl Chloride	2.202	62	76656	12.027	ug/l	97
5) Bromomethane	2.598	94	73289	12.157	ug/l	99
6) Chloroethane	2.739	64	53992	12.374	ug/l	99
7) Trichlorofluoromethane	3.056	101	63044	11.642	ug/l	97
8) Diethyl Ether	3.458	74	14144	11.826	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	25997	11.445	ug/l	99
10) Methyl Iodide	4.007	142	25590	10.505	ug/l	99
11) Tert butyl alcohol	4.891	59	9732	59.275	ug/l #	73
12) 1,1-Dichloroethene	3.799	96	24370	11.240	ug/l	99
13) Acrolein	3.671	56	9650	48.151	ug/l	94
14) Allyl chloride	4.391	41	38482	11.389	ug/l	95
15) Acrylonitrile	5.073	53	29150	57.299	ug/l	99
16) Acetone	3.885	43	25066	55.166	ug/l	98
17) Carbon Disulfide	4.110	76	79008	11.413	ug/l	99
18) Methyl Acetate	4.397	43	17228	12.603	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	68336	11.296	ug/l	95
20) Methylene Chloride	4.622	84	29569	11.655	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	27493	11.350	ug/l	88
22) Diisopropyl ether	6.031	45	83814	11.156	ug/l	96
23) Vinyl Acetate	5.970	43	241364	54.152	ug/l	99
24) 1,1-Dichloroethane	5.927	63	50391	11.346	ug/l	96
25) 2-Butanone	6.909	43	36756	54.840	ug/l	95
26) 2,2-Dichloropropane	6.890	77	43605	11.045	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	30873	11.028	ug/l	99
28) Bromochloromethane	7.256	49	20132	10.491	ug/l	99
29) Tetrahydrofuran	7.274	42	25001	57.822	ug/l	97
30) Chloroform	7.427	83	49990	11.391	ug/l	89
31) Cyclohexane	7.707	56	51050	11.422	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	43454	11.080	ug/l	97
36) 1,1-Dichloropropene	7.841	75	37532	10.765	ug/l	99
37) Ethyl Acetate	6.994	43	15914	10.371	ug/l #	93
38) Carbon Tetrachloride	7.829	117	37794	10.515	ug/l	100
39) Methylcyclohexane	9.115	83	49413	10.491	ug/l	97
40) Benzene	8.085	78	108934	10.600	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	9043m	9.151	ug/l		
42) 1,2-Dichloroethane	8.164	62	31102	11.125	ug/l		99
43) Isopropyl Acetate	8.201	43	36411	10.859	ug/l		97
44) Trichloroethene	8.865	130	28431	11.325	ug/l		91
45) 1,2-Dichloropropane	9.146	63	26665	10.884	ug/l		97
46) Dibromomethane	9.237	93	14601m	10.637	ug/l		
47) Bromodichloromethane	9.426	83	38475	11.048	ug/l		96
48) Methyl methacrylate	9.225	41	16122	10.501	ug/l		98
49) 1,4-Dioxane	9.243	88	3535	215.881	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	88634	53.259	ug/l		100
52) Toluene	10.176	92	68265	10.565	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	34307	10.649	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	40229	10.649	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	18848	10.904	ug/l		94
56) Ethyl methacrylate	10.444	69	26171	10.426	ug/l		97
57) 1,3-Dichloropropane	10.719	76	33836	10.991	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	52396	46.819	ug/l		99
59) 2-Hexanone	10.761	43	57738	52.045	ug/l		100
60) Dibromochloromethane	10.914	129	23423	10.694	ug/l		99
61) 1,2-Dibromoethane	11.018	107	17302	10.847	ug/l		96
64) Tetrachloroethene	10.652	164	28680	11.144	ug/l		97
65) Chlorobenzene	11.444	112	70845	10.789	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	23209	10.427	ug/l		96
67) Ethyl Benzene	11.524	91	126556	10.350	ug/l		100
68) m/p-Xylenes	11.633	106	94535	20.427	ug/l		99
69) o-Xylene	11.956	106	45374	10.476	ug/l		99
70) Styrene	11.975	104	72373	10.092	ug/l		98
71) Bromoform	12.133	173	12637	10.804	ug/l	#	99
73) Isopropylbenzene	12.255	105	118344	10.695	ug/l		99
74) N-amyl acetate	12.072	43	29609	10.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	20264	11.276	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	16751m	9.239	ug/l		
77) Bromobenzene	12.536	156	25392	10.827	ug/l		98
78) n-propylbenzene	12.597	91	143414	10.648	ug/l		100
79) 2-Chlorotoluene	12.682	91	75325	10.591	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91121	10.532	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7009	11.084	ug/l		96
82) 4-Chlorotoluene	12.779	91	78689	10.676	ug/l		100
83) tert-Butylbenzene	12.999	119	81823	10.367	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	90848	10.495	ug/l		98
85) sec-Butylbenzene	13.176	105	127776	10.678	ug/l		100
86) p-Isopropyltoluene	13.291	119	99940	10.158	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	48971	10.437	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	49834	10.900	ug/l		98
89) n-Butylbenzene	13.621	91	97544	10.413	ug/l		99
90) Hexachloroethane	13.877	117	20466	10.631	ug/l		96
91) 1,2-Dichlorobenzene	13.663	146	43460	10.781	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3014	11.095	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	23710	10.760	ug/l		98
94) Hexachlorobutadiene	15.023	225	13179	10.951	ug/l		99
95) Naphthalene	15.145	128	44061	10.434	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	19814	10.581	ug/l		96

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

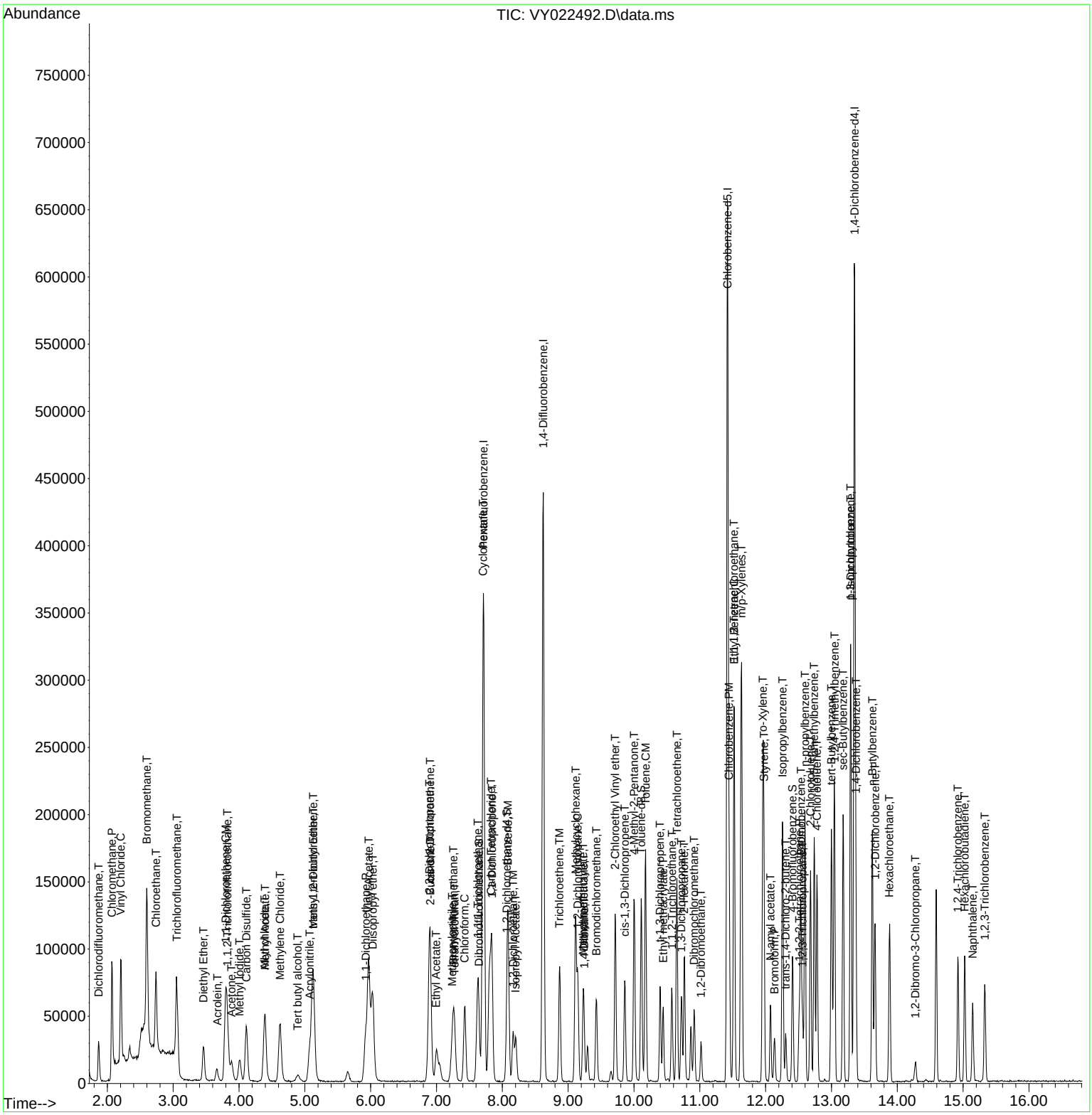
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	217359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48383	20.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.920%#		
35) Dibromofluoromethane	7.640	113	44482	20.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.920%#		
50) Toluene-d8	10.109	98	171165	19.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	12.408	95	51231	19.225	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	43056	22.669	ug/l	99
3) Chloromethane	2.068	50	124441	22.209	ug/l	98
4) Vinyl Chloride	2.208	62	143182	21.833	ug/l	99
5) Bromomethane	2.592	94	148203	23.891	ug/l	99
6) Chloroethane	2.739	64	104116	23.188	ug/l	98
7) Trichlorofluoromethane	3.056	101	124370	22.320	ug/l	94
8) Diethyl Ether	3.458	74	27359	22.230	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49746	21.283	ug/l	99
10) Methyl Iodide	4.013	142	52917	21.112	ug/l	99
11) Tert butyl alcohol	4.891	59	19456	115.163	ug/l	96
12) 1,1-Dichloroethene	3.793	96	47770	21.411	ug/l	100
13) Acrolein	3.659	56	22974	111.404	ug/l	98
14) Allyl chloride	4.391	41	73926	21.263	ug/l	98
15) Acrylonitrile	5.073	53	57803	110.420	ug/l	97
16) Acetone	3.885	43	52330	111.925	ug/l	99
17) Carbon Disulfide	4.110	76	150515	21.130	ug/l	99
18) Methyl Acetate	4.397	43	34419	24.470	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	136549	21.935	ug/l	98
20) Methylene Chloride	4.622	84	55399	21.222	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	53194	21.342	ug/l	93
22) Diisopropyl ether	6.031	45	168064	21.739	ug/l	97
23) Vinyl Acetate	5.970	43	497937	108.569	ug/l	99
24) 1,1-Dichloroethane	5.927	63	97760	21.392	ug/l	97
25) 2-Butanone	6.902	43	77329	112.124	ug/l	93
26) 2,2-Dichloropropane	6.890	77	84543	20.811	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61362	21.300	ug/l	98
28) Bromochloromethane	7.256	49	41634	21.085	ug/l	99
29) Tetrahydrofuran	7.268	42	49517	111.296	ug/l	99
30) Chloroform	7.427	83	96414	21.350	ug/l	96
31) Cyclohexane	7.707	56	95487	20.762	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	84365	20.905	ug/l	99
36) 1,1-Dichloropropene	7.841	75	72658	20.670	ug/l	98
37) Ethyl Acetate	6.988	43	34204	22.110	ug/l	98
38) Carbon Tetrachloride	7.823	117	73370	20.247	ug/l	93
39) Methylcyclohexane	9.115	83	95280	20.065	ug/l	97
40) Benzene	8.085	78	217595	21.000	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	19470	19.542	ug/l		95
42) 1,2-Dichloroethane	8.164	62	61097	21.676	ug/l		98
43) Isopropyl Acetate	8.201	43	73745	21.814	ug/l		97
44) Trichloroethene	8.872	130	52175	20.613	ug/l		98
45) 1,2-Dichloropropane	9.146	63	52378	21.204	ug/l		99
46) Dibromomethane	9.237	93	29741	21.491	ug/l		99
47) Bromodichloromethane	9.426	83	73717	20.995	ug/l		99
48) Methyl methacrylate	9.225	41	34508	22.294	ug/l		99
49) 1,4-Dioxane	9.237	88	7444	450.895	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	181461	108.147	ug/l		98
52) Toluene	10.176	92	133601	20.508	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	70358	21.660	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	80524	21.141	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	38079	21.849	ug/l		98
56) Ethyl methacrylate	10.444	69	54734	21.626	ug/l		99
57) 1,3-Dichloropropane	10.719	76	66163	21.317	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	118244	104.797	ug/l		100
59) 2-Hexanone	10.761	43	122817	109.805	ug/l		99
60) Dibromochloromethane	10.914	129	47952	21.715	ug/l		98
61) 1,2-Dibromoethane	11.018	107	35324	21.965	ug/l		95
64) Tetrachloroethene	10.652	164	56256	21.063	ug/l		99
65) Chlorobenzene	11.444	112	138583	20.336	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47587	20.600	ug/l		98
67) Ethyl Benzene	11.524	91	252180	19.871	ug/l		100
68) m/p-Xylenes	11.633	106	192372	40.053	ug/l		99
69) o-Xylene	11.956	106	90598	20.155	ug/l		98
70) Styrene	11.969	104	149486	20.086	ug/l		98
71) Bromoform	12.133	173	25089	20.668	ug/l	#	99
73) Isopropylbenzene	12.255	105	236185	20.303	ug/l		99
74) N-amyl acetate	12.072	43	62437	21.224	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	39986	21.165	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	33589m	17.622	ug/l		
77) Bromobenzene	12.536	156	51416	20.853	ug/l		99
78) n-propylbenzene	12.597	91	286589	20.239	ug/l		99
79) 2-Chlorotoluene	12.682	91	153250	20.497	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	187101	20.570	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13897	20.904	ug/l		97
82) 4-Chlorotoluene	12.779	91	154601	19.951	ug/l		99
83) tert-Butylbenzene	12.999	119	167512	20.188	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	184202	20.241	ug/l		100
85) sec-Butylbenzene	13.176	105	251350	19.979	ug/l		100
86) p-Isopropyltoluene	13.292	119	207417	20.054	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	99901	20.252	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	100082	20.823	ug/l		98
89) n-Butylbenzene	13.621	91	199786	20.287	ug/l		99
90) Hexachloroethane	13.883	117	41119	20.316	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	89355	21.085	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5939	20.796	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	46919	20.254	ug/l		99
94) Hexachlorobutadiene	15.023	225	25462	20.124	ug/l		99
95) Naphthalene	15.145	128	93203	20.994	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	41131	20.892	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

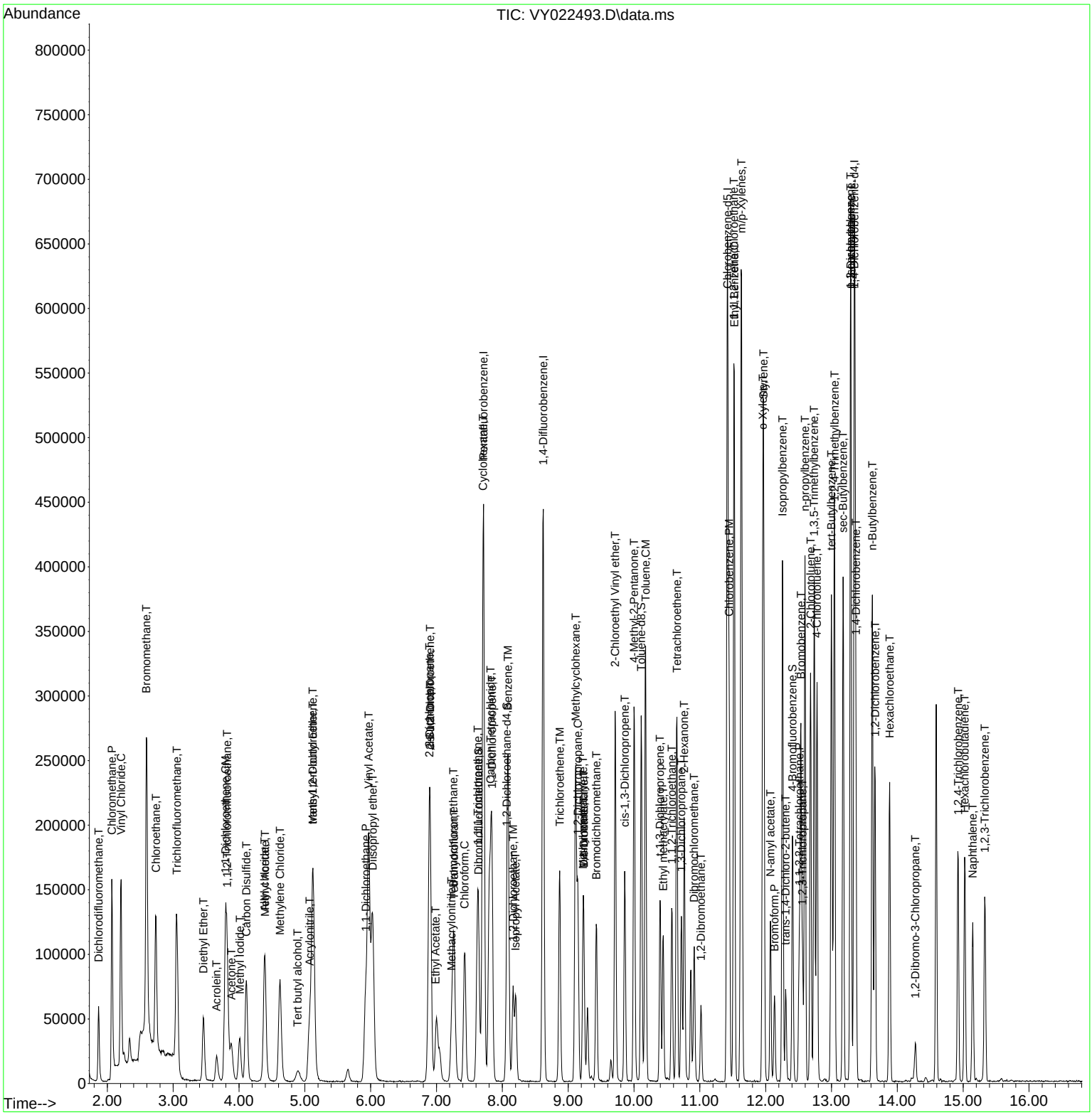
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	209963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124098	54.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.640	113	112624	54.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.020%			
50) Toluene-d8	10.109	98	448690	53.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.460%			
62) 4-Bromofluorobenzene	12.408	95	130393	51.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86654	47.230	ug/l	100
3) Chloromethane	2.068	50	258324	47.727	ug/l	100
4) Vinyl Chloride	2.202	62	314332	49.618	ug/l	100
5) Bromomethane	2.598	94	260442	43.463	ug/l	100
6) Chloroethane	2.739	64	202595	46.711	ug/l	100
7) Trichlorofluoromethane	3.056	101	257006	47.749	ug/l	100
8) Diethyl Ether	3.464	74	61045	51.349	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	112910	50.009	ug/l	100
10) Methyl Iodide	4.007	142	135237	55.855	ug/l	100
11) Tert butyl alcohol	4.885	59	41304	253.096	ug/l	100
12) 1,1-Dichloroethene	3.800	96	108756	50.463	ug/l	100
13) Acrolein	3.659	56	50388	252.946	ug/l	100
14) Allyl chloride	4.391	41	169258	50.399	ug/l	100
15) Acrylonitrile	5.068	53	132018	261.075	ug/l	100
16) Acetone	3.879	43	121507	269.036	ug/l	100
17) Carbon Disulfide	4.110	76	349342	50.769	ug/l	100
18) Methyl Acetate	4.397	43	69815	51.384	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	308578	51.316	ug/l	100
20) Methylene Chloride	4.623	84	120562	47.810	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	119917	49.807	ug/l	100
22) Diisopropyl ether	6.025	45	381760	51.120	ug/l	100
23) Vinyl Acetate	5.970	43	1137415	256.734	ug/l	100
24) 1,1-Dichloroethane	5.921	63	222533	50.410	ug/l	100
25) 2-Butanone	6.903	43	176185	264.461	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198763	50.650	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	143210	51.463	ug/l	100
28) Bromochloromethane	7.250	49	95397	50.015	ug/l	100
29) Tetrahydrofuran	7.268	42	109698	255.247	ug/l	100
30) Chloroform	7.427	83	222226	50.944	ug/l	100
31) Cyclohexane	7.707	56	213031	47.951	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	199103	51.074	ug/l	100
36) 1,1-Dichloropropene	7.841	75	170708	51.116	ug/l	100
37) Ethyl Acetate	6.994	43	80426	54.721	ug/l	100
38) Carbon Tetrachloride	7.823	117	178292	51.787	ug/l	100
39) Methylcyclohexane	9.116	83	230536	51.100	ug/l	100
40) Benzene	8.085	78	505749	51.376	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	43865	46.342	ug/l		100
42) 1,2-Dichloroethane	8.165	62	136876	51.114	ug/l		100
43) Isopropyl Acetate	8.201	43	167771	52.237	ug/l		100
44) Trichloroethene	8.866	130	124670	51.843	ug/l		100
45) 1,2-Dichloropropane	9.146	63	120660	51.415	ug/l		100
46) Dibromomethane	9.231	93	67690	51.485	ug/l		100
47) Bromodichloromethane	9.427	83	172341	51.664	ug/l		100
48) Methyl methacrylate	9.225	41	77885	52.963	ug/l		100
49) 1,4-Dioxane	9.244	88	15334	977.637	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	425868	267.154	ug/l		100
52) Toluene	10.176	92	316972	51.213	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	161859	52.450	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	188559	52.108	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	84788	51.209	ug/l		100
56) Ethyl methacrylate	10.445	69	127271	52.930	ug/l		100
57) 1,3-Dichloropropane	10.719	76	152809	51.821	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	279669	260.896	ug/l		100
59) 2-Hexanone	10.762	43	283601	266.885	ug/l		100
60) Dibromochloromethane	10.914	129	110314	52.582	ug/l		100
61) 1,2-Dibromoethane	11.018	107	78151	51.150	ug/l		100
64) Tetrachloroethene	10.652	164	130171	51.367	ug/l		100
65) Chlorobenzene	11.444	112	332645	51.447	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112934	51.526	ug/l		100
67) Ethyl Benzene	11.518	91	621031	51.577	ug/l		100
68) m/p-Xylenes	11.633	106	468441	102.795	ug/l		100
69) o-Xylene	11.957	106	218760	51.293	ug/l		100
70) Styrene	11.969	104	367553	52.052	ug/l		100
71) Bromoform	12.133	173	59888	51.996	ug/l	#	100
73) Isopropylbenzene	12.255	105	577133	51.329	ug/l		100
74) N-amyl acetate	12.072	43	149637	52.627	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	95218	52.145	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	87965m	47.747	ug/l		
77) Bromobenzene	12.536	156	121092	50.812	ug/l		100
78) n-propylbenzene	12.597	91	707143	51.667	ug/l		100
79) 2-Chlorotoluene	12.682	91	373402	51.670	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	455006	51.754	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	32630	50.780	ug/l		100
82) 4-Chlorotoluene	12.780	91	387296	51.710	ug/l		100
83) tert-Butylbenzene	12.999	119	404519	50.438	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	449372	51.088	ug/l		100
85) sec-Butylbenzene	13.176	105	623185	51.250	ug/l		100
86) p-Isopropyltoluene	13.292	119	510026	51.018	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	241816	50.717	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	237429	51.108	ug/l		100
89) n-Butylbenzene	13.621	91	493153	51.811	ug/l		100
90) Hexachloroethane	13.883	117	99901	51.068	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	211065	51.528	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14697	53.244	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	114007	50.919	ug/l		100
94) Hexachlorobutadiene	15.023	225	62434	51.054	ug/l		100
95) Naphthalene	15.145	128	226073	52.686	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	97609	51.295	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

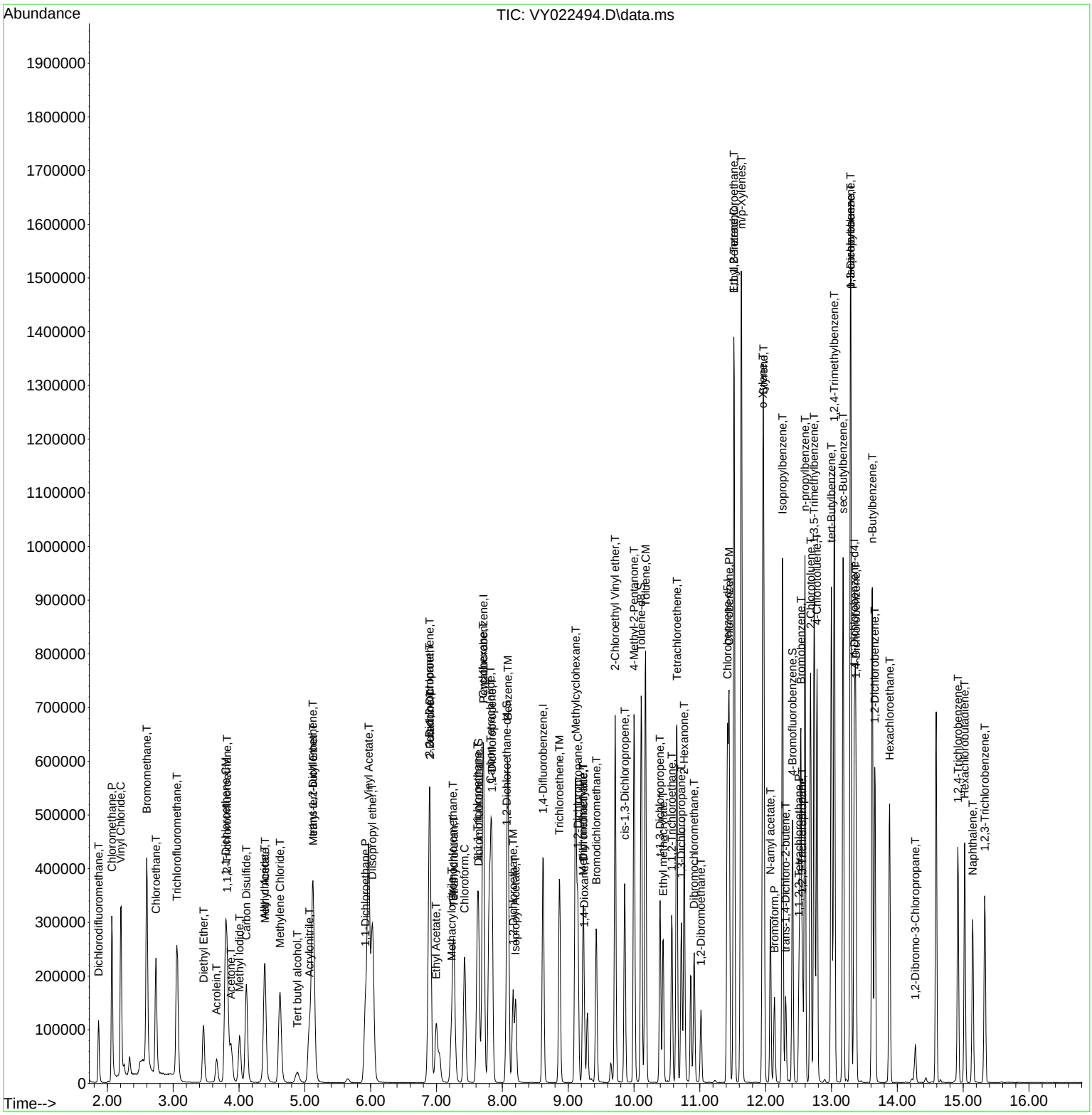
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	220566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	362519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	243724	101.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.100%#			
35) Dibromofluoromethane	7.634	113	222443	104.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.460%#			
50) Toluene-d8	10.109	98	908424	105.318	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.640%#			
62) 4-Bromofluorobenzene	12.407	95	270310	103.359	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	175145	90.872	ug/l	97
3) Chloromethane	2.068	50	519859	91.429	ug/l	99
4) Vinyl Chloride	2.202	62	636843	95.695	ug/l	100
5) Bromomethane	2.592	94	591589	93.980	ug/l	99
6) Chloroethane	2.732	64	414935	91.070	ug/l	96
7) Trichlorofluoromethane	3.049	101	539323	95.384	ug/l	97
8) Diethyl Ether	3.458	74	122923	98.428	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.817	101	230240	97.074	ug/l	99
10) Methyl Iodide	4.006	142	278576	109.525	ug/l	99
11) Tert butyl alcohol	4.878	59	83900	489.395	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	224855	99.317	ug/l	97
13) Acrolein	3.653	56	109392	522.746	ug/l	100
14) Allyl chloride	4.390	41	354774	100.560	ug/l	98
15) Acrylonitrile	5.067	53	269411	507.168	ug/l	100
16) Acetone	3.872	43	231202	487.310	ug/l	100
17) Carbon Disulfide	4.110	76	722508	99.952	ug/l	99
18) Methyl Acetate	4.390	43	132608	92.907	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	632873	100.187	ug/l	99
20) Methylene Chloride	4.622	84	241903	91.318	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	253184	100.103	ug/l	95
22) Diisopropyl ether	6.024	45	794164	101.232	ug/l	98
23) Vinyl Acetate	5.963	43	2424134	520.866	ug/l	99
24) 1,1-Dichloroethane	5.915	63	463641	99.980	ug/l	99
25) 2-Butanone	6.896	43	358881	512.798	ug/l	99
26) 2,2-Dichloropropane	6.890	77	420323	101.961	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	294837	100.858	ug/l	98
28) Bromochloromethane	7.250	49	206906	103.263	ug/l	100
29) Tetrahydrofuran	7.268	42	226299	501.243	ug/l	99
30) Chloroform	7.426	83	459957	100.373	ug/l	96
31) Cyclohexane	7.707	56	428074	91.723	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	419389	102.410	ug/l	99
36) 1,1-Dichloropropene	7.841	75	355563	103.070	ug/l	99
37) Ethyl Acetate	6.988	43	159922	105.336	ug/l	98
38) Carbon Tetrachloride	7.823	117	368617	103.651	ug/l	96
39) Methylcyclohexane	9.109	83	481512	103.323	ug/l	99
40) Benzene	8.085	78	1052881	103.542	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	97672m	99.893	ug/l		
42) 1,2-Dichloroethane	8.158	62	286305	103.504	ug/l		98
43) Isopropyl Acetate	8.201	43	344110	103.721	ug/l		98
44) Trichloroethene	8.865	130	253632	102.104	ug/l		100
45) 1,2-Dichloropropane	9.146	63	249363	102.865	ug/l		100
46) Dibromomethane	9.231	93	139349	102.605	ug/l		98
47) Bromodichloromethane	9.426	83	356025	103.321	ug/l		99
48) Methyl methacrylate	9.225	41	163867	107.875	ug/l		99
49) 1,4-Dioxane	9.237	88	31675	1955.012	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	884897	537.390	ug/l		98
52) Toluene	10.170	92	676554	105.821	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	339647	106.548	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	394647	105.579	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	176386	103.130	ug/l		97
56) Ethyl methacrylate	10.438	69	270253	108.807	ug/l		99
57) 1,3-Dichloropropane	10.719	76	314882	103.374	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	631985	570.744	ug/l		99
59) 2-Hexanone	10.761	43	599356	546.025	ug/l		99
60) Dibromochloromethane	10.914	129	231582	106.862	ug/l		99
61) 1,2-Dibromoethane	11.017	107	162846	103.182	ug/l		97
64) Tetrachloroethene	10.645	164	260085	97.857	ug/l		98
65) Chlorobenzene	11.444	112	700365	103.277	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	241080	104.874	ug/l		99
67) Ethyl Benzene	11.517	91	1343424	106.379	ug/l		100
68) m/p-Xylenes	11.627	106	1027669	215.017	ug/l		99
69) o-Xylene	11.956	106	478106	106.884	ug/l		100
70) Styrene	11.968	104	807331	109.011	ug/l		99
71) Bromoform	12.133	173	129134	106.900	ug/l	#	98
73) Isopropylbenzene	12.255	105	1251781	103.429	ug/l		100
74) N-amyl acetate	12.072	43	331256	108.232	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	201554	102.543	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	153645m	77.478	ug/l		
77) Bromobenzene	12.535	156	260522	101.560	ug/l		99
78) n-propylbenzene	12.596	91	1517453	103.002	ug/l		99
79) 2-Chlorotoluene	12.682	91	801096	102.984	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	983812	103.959	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	72518	104.845	ug/l		97
82) 4-Chlorotoluene	12.779	91	836500	103.758	ug/l		99
83) tert-Butylbenzene	12.999	119	886942	102.740	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	992770	104.854	ug/l		100
85) sec-Butylbenzene	13.175	105	1348209	103.006	ug/l		100
86) p-Isopropyltoluene	13.291	119	1148821	106.760	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	543396	105.879	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	503842	100.757	ug/l		98
89) n-Butylbenzene	13.621	91	1062595	103.713	ug/l		99
90) Hexachloroethane	13.883	117	213148	101.224	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	447574	101.511	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	29357	98.805	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	255752	106.117	ug/l		97
94) Hexachlorobutadiene	15.023	225	132452	100.622	ug/l		99
95) Naphthalene	15.145	128	499554	108.155	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	213300	104.136	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

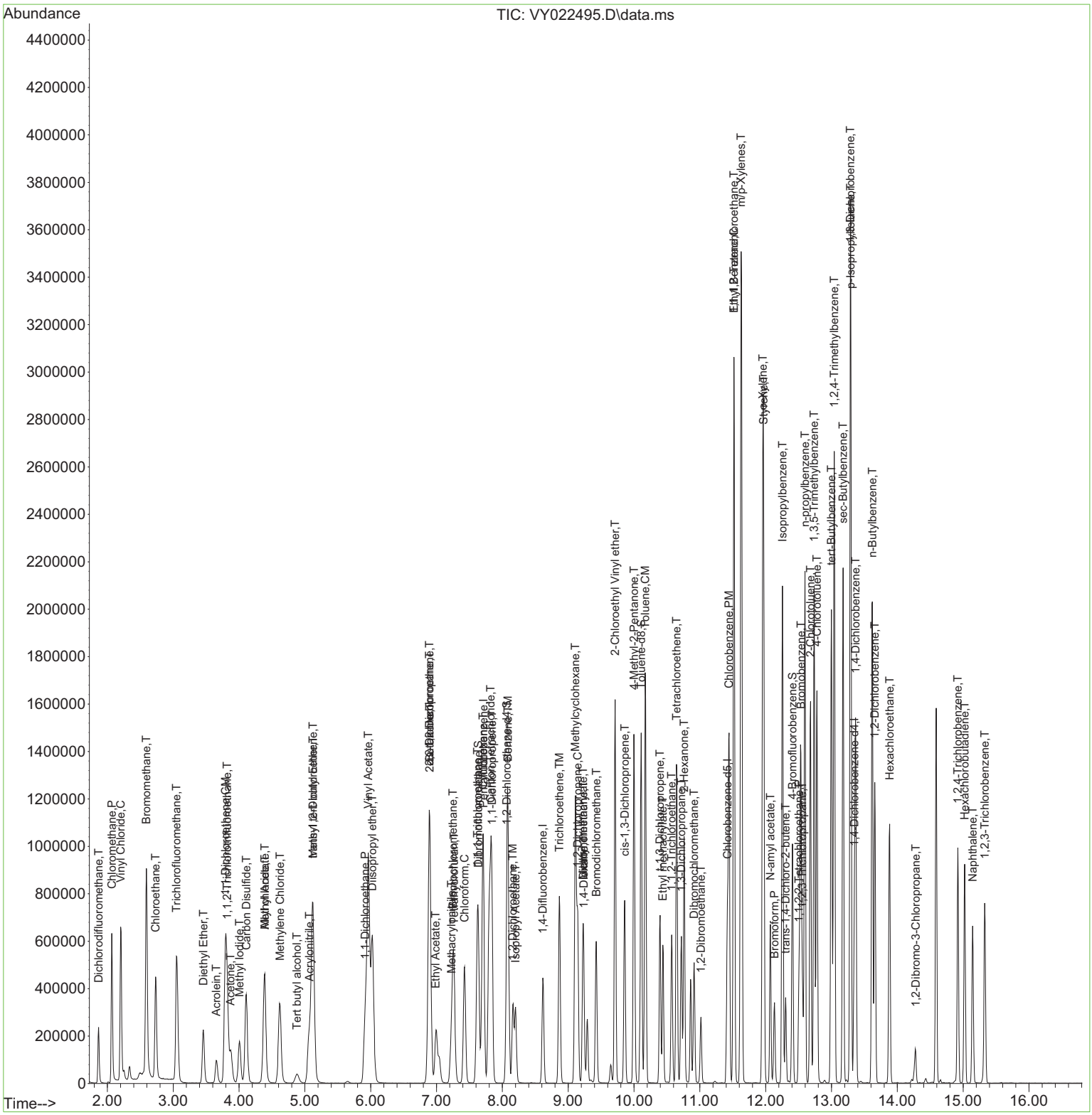
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	225293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	377706	154.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 308.160%#			
35) Dibromofluoromethane	7.634	113	348038	160.661	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 321.320%#			
50) Toluene-d8	10.109	98	1432587	163.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 327.240%#			
62) 4-Bromofluorobenzene	12.408	95	426573	160.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 321.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	273817	139.086	ug/l	96
3) Chloromethane	2.068	50	800733	137.873	ug/l	99
4) Vinyl Chloride	2.202	62	967746	142.366	ug/l	99
5) Bromomethane	2.586	94	970833	150.991	ug/l	99
6) Chloroethane	2.733	64	651603	140.013	ug/l	95
7) Trichlorofluoromethane	3.050	101	885391	153.303	ug/l	98
8) Diethyl Ether	3.458	74	191391	150.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	360800	148.929	ug/l	100
10) Methyl Iodide	4.007	142	416014	160.129	ug/l	100
11) Tert butyl alcohol	4.879	59	128018	731.071	ug/l	100
12) 1,1-Dichloroethene	3.793	96	353193	152.730	ug/l	98
13) Acrolein	3.653	56	156417	731.778	ug/l	100
14) Allyl chloride	4.385	41	551896	153.152	ug/l	100
15) Acrylonitrile	5.061	53	406745	749.634	ug/l	99
16) Acetone	3.879	43	311886	643.577	ug/l	95
17) Carbon Disulfide	4.104	76	1126077	152.513	ug/l	99
18) Methyl Acetate	4.391	43	203507	139.589	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	988071	153.134	ug/l	99
20) Methylene Chloride	4.616	84	371818	137.416	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	399937	154.808	ug/l	99
22) Diisopropyl ether	6.025	45	1244804	155.346	ug/l	99
23) Vinyl Acetate	5.964	43	3806024	800.629	ug/l	100
24) 1,1-Dichloroethane	5.921	63	730276	154.173	ug/l	100
25) 2-Butanone	6.896	43	530692	742.386	ug/l	99
26) 2,2-Dichloropropane	6.890	77	664024	157.698	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	466804	156.334	ug/l	98
28) Bromochloromethane	7.250	49	320509	156.605	ug/l	100
29) Tetrahydrofuran	7.268	42	342435	742.566	ug/l	100
30) Chloroform	7.421	83	717477	153.285	ug/l	94
31) Cyclohexane	7.701	56	667836	140.095	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	660456	157.892	ug/l	99
36) 1,1-Dichloropropene	7.841	75	562935	160.756	ug/l	100
37) Ethyl Acetate	6.988	43	238966	155.059	ug/l	98
38) Carbon Tetrachloride	7.823	117	593167	164.311	ug/l	99
39) Methylcyclohexane	9.109	83	770382	162.851	ug/l	100
40) Benzene	8.085	78	1675603	162.332	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	136495	137.523	ug/l		98
42) 1,2-Dichloroethane	8.158	62	442216	157.491	ug/l		98
43) Isopropyl Acetate	8.201	43	522842	155.250	ug/l		98
44) Trichloroethene	8.866	130	394832	156.583	ug/l		97
45) 1,2-Dichloropropane	9.140	63	385206	156.539	ug/l		99
46) Dibromomethane	9.231	93	218014	158.140	ug/l		100
47) Bromodichloromethane	9.426	83	560425	160.221	ug/l		97
48) Methyl methacrylate	9.225	41	252724	163.897	ug/l		99
49) 1,4-Dioxane	9.231	88	50874	3093.301	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	1358512	812.744	ug/l		98
52) Toluene	10.170	92	1093200	168.447	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	537922	166.237	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	615667	162.259	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	274460	158.086	ug/l		97
56) Ethyl methacrylate	10.438	69	423233	167.865	ug/l		99
57) 1,3-Dichloropropane	10.719	76	488570	158.010	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1000760	890.345	ug/l		100
59) 2-Hexanone	10.762	43	896627	804.699	ug/l		100
60) Dibromochloromethane	10.914	129	356873	162.227	ug/l		100
61) 1,2-Dibromoethane	11.018	107	254128	158.625	ug/l		96
64) Tetrachloroethene	10.646	164	406758	152.453	ug/l		98
65) Chlorobenzene	11.444	112	1113347	163.544	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	395046	171.190	ug/l		99
67) Ethyl Benzene	11.518	91	2196819	173.285	ug/l		100
68) m/p-Xylenes	11.627	106	1694177	353.103	ug/l		100
69) o-Xylene	11.957	106	777688	173.188	ug/l		99
70) Styrene	11.969	104	1334986	179.564	ug/l		99
71) Bromoform	12.133	173	201469	166.138	ug/l	#	99
73) Isopropylbenzene	12.255	105	2011262	166.060	ug/l		100
74) N-amyl acetate	12.072	43	508301	165.957	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	310641	157.927	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	231729m	116.768	ug/l		
77) Bromobenzene	12.530	156	417122	162.489	ug/l		100
78) n-propylbenzene	12.597	91	2416013	163.876	ug/l		98
79) 2-Chlorotoluene	12.682	91	1275581	163.862	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1576906	166.511	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	111432	160.989	ug/l		96
82) 4-Chlorotoluene	12.780	91	1334965	165.467	ug/l		99
83) tert-Butylbenzene	12.999	119	1434641	166.064	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1623289	171.323	ug/l		99
85) sec-Butylbenzene	13.176	105	2140445	163.415	ug/l		100
86) p-Isopropyltoluene	13.292	119	1877539	174.353	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	885058	172.326	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	803022	160.470	ug/l		99
89) n-Butylbenzene	13.615	91	1691118	164.939	ug/l		99
90) Hexachloroethane	13.877	117	338845	160.801	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	705129	159.809	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	44514	149.709	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	390170	161.773	ug/l		97
94) Hexachlorobutadiene	15.023	225	199423	151.389	ug/l		98
95) Naphthalene	15.145	128	753279	162.970	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	321960	157.072	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

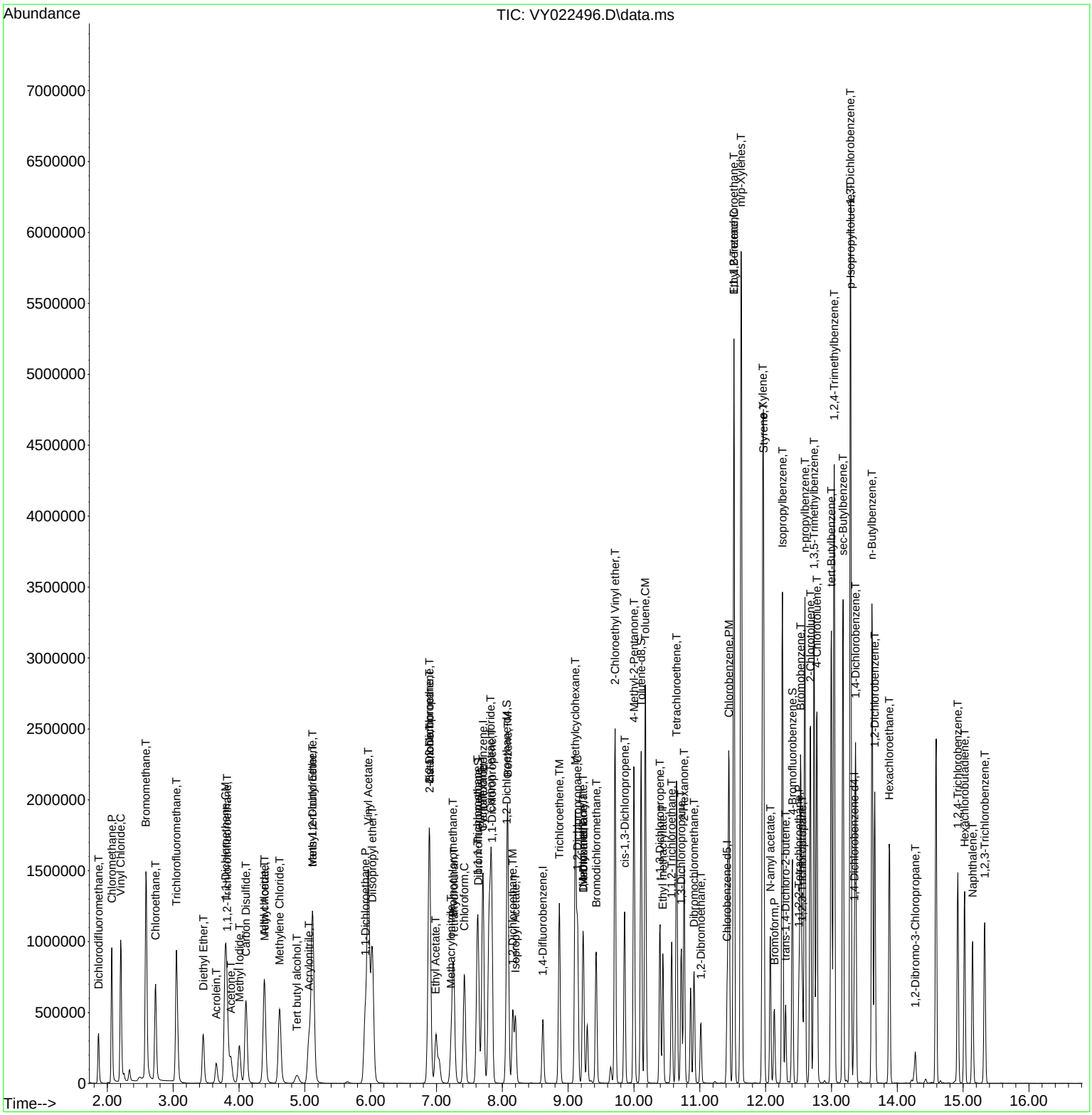
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	365013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106759	43.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.080%			
35) Dibromofluoromethane	7.634	113	101692	46.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.360%			
50) Toluene-d8	10.109	98	411640	46.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.520%			
62) 4-Bromofluorobenzene	12.408	95	120253	45.847	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	84059	42.825	ug/l	99
3) Chloromethane	2.068	50	276116	47.616	ug/l	100
4) Vinyl Chloride	2.202	62	323338	48.066	ug/l	97
5) Bromomethane	2.599	94	274123	42.515	ug/l	99
6) Chloroethane	2.733	64	205816	44.575	ug/l	96
7) Trichlorofluoromethane	3.050	101	271122	47.475	ug/l	96
8) Diethyl Ether	3.458	74	56906	44.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	108788	45.230	ug/l	99
10) Methyl Iodide	4.007	142	116830	44.885	ug/l	100
11) Tert butyl alcohol	4.879	59	36036	205.761	ug/l	97
12) 1,1-Dichloroethene	3.787	96	106297	46.234	ug/l	98
13) Acrolein	3.653	56	48776	223.473	ug/l	98
14) Allyl chloride	4.385	41	165428	45.834	ug/l	99
15) Acrylonitrile	5.061	53	118175	216.963	ug/l	100
16) Acetone	3.873	43	110479	221.854	ug/l	99
17) Carbon Disulfide	4.104	76	341772	46.432	ug/l	100
18) Methyl Acetate	4.391	43	57416	38.935	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	284761	43.974	ug/l	99
20) Methylene Chloride	4.616	84	115624	40.875	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	118427	46.024	ug/l	95
22) Diisopropyl ether	6.019	45	354328	44.104	ug/l	96
23) Vinyl Acetate	5.964	43	1064896	223.951	ug/l	100
24) 1,1-Dichloroethane	5.915	63	217965	46.053	ug/l	98
25) 2-Butanone	6.897	43	158557	220.736	ug/l	98
26) 2,2-Dichloropropane	6.890	77	195035	46.639	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136882	46.024	ug/l	99
28) Bromochloromethane	7.244	49	96031	46.547	ug/l	100
29) Tetrahydrofuran	7.262	42	98109	211.767	ug/l	100
30) Chloroform	7.427	83	215264	45.919	ug/l	94
31) Cyclohexane	7.701	56	206176	43.757	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	194039	46.627	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166116	46.978	ug/l	99
37) Ethyl Acetate	6.988	43	68761	43.605	ug/l	98
38) Carbon Tetrachloride	7.823	117	173199	47.747	ug/l	97
39) Methylcyclohexane	9.110	83	222971	46.923	ug/l	99
40) Benzene	8.085	78	491078	47.020	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	39730	43.134 ug/l	99
42) 1,2-Dichloroethane	8.158	62	130161	45.644 ug/l	98
43) Isopropyl Acetate	8.201	43	150263	44.122 ug/l #	88
44) Trichloroethene	8.866	130	118971	46.609 ug/l	97
45) 1,2-Dichloropropane	9.140	63	114988	46.587 ug/l	96
46) Dibromomethane	9.231	93	64473	46.430 ug/l	98
47) Bromodichloromethane	9.427	83	164872	46.825 ug/l	100
48) Methyl methacrylate	9.219	41	70644	44.198 ug/l	98
49) 1,4-Dioxane	9.231	88	13433	816.553 ug/l #	95
51) 4-Methyl-2-Pentanone	10.000	43	372276	219.250 ug/l	98
52) Toluene	10.170	92	309375	47.137 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	152066	46.094 ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	177445	46.206 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	79596	44.953 ug/l	96
56) Ethyl methacrylate	10.439	69	115237	45.029 ug/l	99
57) 1,3-Dichloropropane	10.719	76	143407	45.696 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	283213	243.746 ug/l	99
59) 2-Hexanone	10.762	43	249926	220.088 ug/l	99
60) Dibromochloromethane	10.914	129	101515	45.114 ug/l	100
61) 1,2-Dibromoethane	11.018	107	74173	45.960 ug/l	97
64) Tetrachloroethene	10.646	164	121944	45.398 ug/l	98
65) Chlorobenzene	11.444	112	317533	45.953 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	105830	45.464 ug/l	98
67) Ethyl Benzene	11.518	91	605560	47.248 ug/l	99
68) m/p-Xylenes	11.633	106	454148	93.473 ug/l	100
69) o-Xylene	11.957	106	209354	45.959 ug/l	98
70) Styrene	11.969	104	352505	46.815 ug/l	98
71) Bromoform	12.133	173	55559	44.852 ug/l #	98
73) Isopropylbenzene	12.255	105	559690	46.933 ug/l	100
74) N-amyl acetate	12.072	43	136915	45.502 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87402	44.656 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	68304m	41.103 ug/l	
77) Bromobenzene	12.536	156	114771	45.607 ug/l	100
78) n-propylbenzene	12.597	91	680155	46.696 ug/l	99
79) 2-Chlorotoluene	12.682	91	358756	46.472 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	438873	46.876 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	29567	42.968 ug/l	100
82) 4-Chlorotoluene	12.780	91	368631	46.289 ug/l	100
83) tert-Butylbenzene	12.999	119	400440	47.655 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	437631	46.735 ug/l	99
85) sec-Butylbenzene	13.176	105	607968	47.241 ug/l	100
86) p-Isopropyltoluene	13.292	119	501979	47.321 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	234193	45.932 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	223096	45.113 ug/l	98
89) n-Butylbenzene	13.621	91	482774	47.968 ug/l	100
90) Hexachloroethane	13.883	117	97273	47.101 ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	195728	45.213 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12728	44.665 ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	109742	46.481 ug/l	97
94) Hexachlorobutadiene	15.023	225	59236	45.457 ug/l	98
95) Naphthalene	15.145	128	203925	45.009 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	89699	44.331 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
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ALS Vial : 13 Sample Multiplier: 1

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Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
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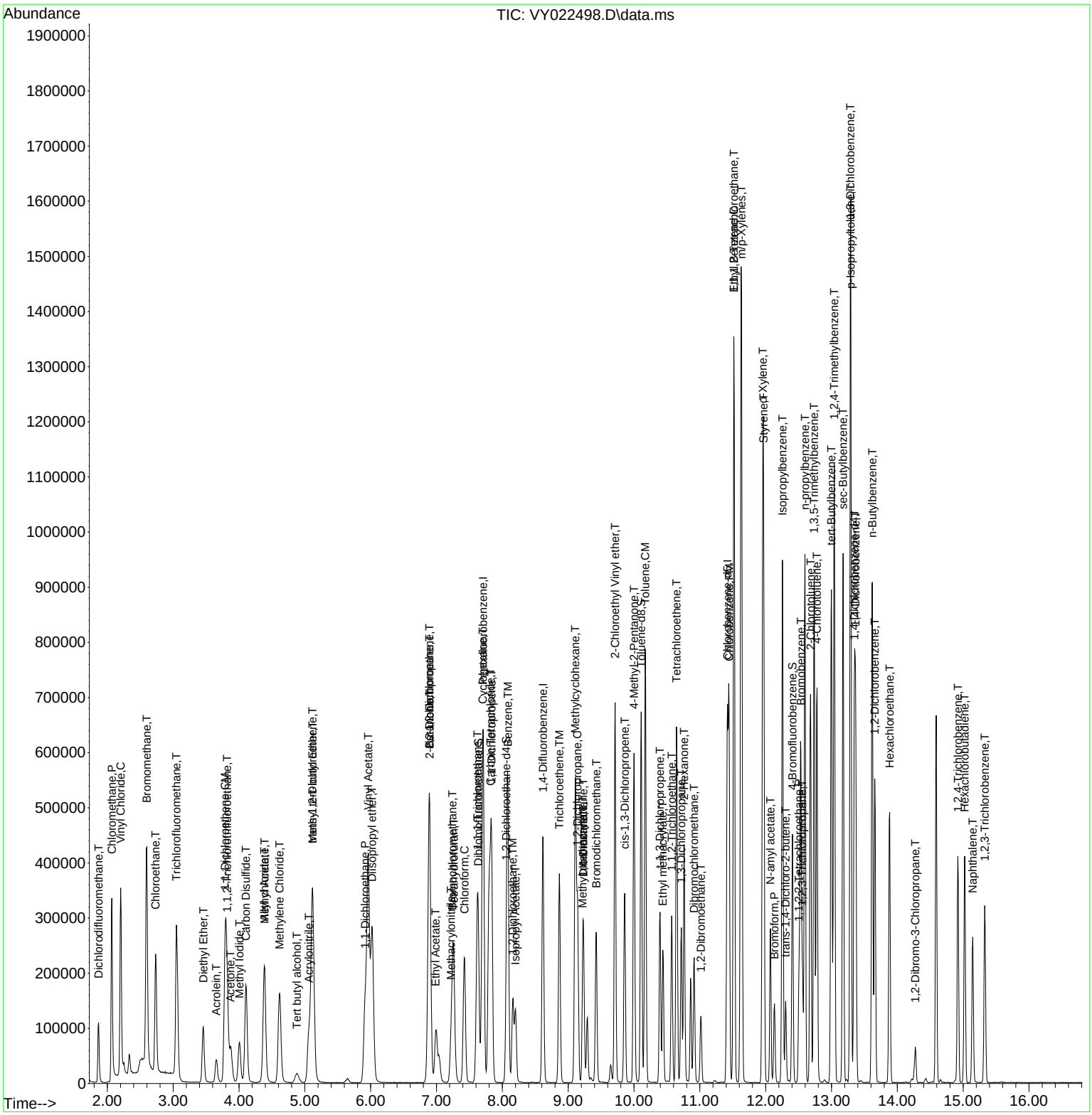
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
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MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	104	0.00
2	T	Dichlorodifluoromethane	0.448	0.383	14.5	97	0.00
3	P	Chloromethane	1.322	1.259	4.8	107	0.00
4	C	Vinyl Chloride	1.534	1.475	3.8#	103	0.00
5	T	Bromomethane	1.470	1.250	15.0	105	0.00
6	T	Chloroethane	1.053	0.939	10.8	102	0.00
7	T	Trichlorofluoromethane	1.302	1.237	5.0	105	0.00
8	T	Diethyl Ether	0.293	0.260	11.3	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.496	9.7	96	0.00
10	T	Methyl Iodide	0.594	0.533	10.3	86	0.00
11	T	Tert butyl alcohol	0.040	0.033	17.5	87	0.00
12	CM	1,1-Dichloroethene	0.524	0.485	7.4#	98	-0.01
13	T	Acrolein	0.050	0.044	12.0	97	0.00
14	T	Allyl chloride	0.823	0.755	8.3	98	0.00
15	T	Acrylonitrile	0.124	0.108	12.9	90	0.00
16	T	Acetone	0.114	0.101	11.4	91	0.00
17	T	Carbon Disulfide	1.679	1.559	7.1	98	0.00
18	T	Methyl Acetate	0.336	0.262	22.0	82	0.00
19	T	Methyl tert-butyl Ether	1.477	1.299	12.1	92	-0.01
20	T	Methylene Chloride	0.645	0.527	18.3	96	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.540	8.0	99	0.00
22	T	Diisopropyl ether	1.832	1.616	11.8	93	0.00
23	T	Vinyl Acetate	1.084	0.971	10.4	94	0.00
24	P	1,1-Dichloroethane	1.079	0.994	7.9	98	0.00
25	T	2-Butanone	0.164	0.145	11.6	90	0.00
26	T	2,2-Dichloropropane	0.954	0.890	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.624	8.0	96	0.00
28	T	Bromochloromethane	0.471	0.438	7.0	101	0.00
29	T	Tetrahydrofuran	0.106	0.089	16.0	89	0.00
30	C	Chloroform	1.069	0.982	8.1#	97	0.00
31	T	Cyclohexane	1.075	0.940	12.6	97	0.00
32	T	1,1,1-Trichloroethane	0.949	0.885	6.7	97	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.487	12.9	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.298	0.279	6.4	90	0.00
36	T	1,1-Dichloropropene	0.484	0.455	6.0	97	0.00
37	T	Ethyl Acetate	0.216	0.188	13.0	85	0.00
38	T	Carbon Tetrachloride	0.497	0.475	4.4	97	0.00
39	T	Methylcyclohexane	0.651	0.611	6.1	97	0.00
40	TM	Benzene	1.431	1.345	6.0	97	0.00
41	T	Methacrylonitrile	0.126	0.109	13.5	91	-0.01
42	TM	1,2-Dichloroethane	0.391	0.357	8.7	95	0.00
43	T	Isopropyl Acetate	0.467	0.412	11.8	90	0.00
44	TM	Trichloroethene	0.350	0.326	6.9	95	0.00
45	C	1,2-Dichloropropane	0.338	0.315	6.8#	95	0.00
46	T	Dibromomethane	0.190	0.177	6.8	95	0.00
47	T	Bromodichloromethane	0.482	0.452	6.2	96	0.00
48	T	Methyl methacrylate	0.219	0.194	11.4	91	0.00

ICAL Form

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Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	88	-0.01
50	S	Toluene-d8	1.206	1.128	6.5	92	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.204	12.4	87	0.00
52	CM	Toluene	0.899	0.848	5.7#	98	0.00
53	T	t-1,3-Dichloropropene	0.452	0.417	7.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.486	7.6	94	0.00
55	T	1,1,2-Trichloroethane	0.243	0.218	10.3	94	0.00
56	T	Ethyl methacrylate	0.351	0.316	10.0	91	0.00
57	T	1,3-Dichloropropane	0.430	0.393	8.6	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.155	2.5	101	0.00
59	T	2-Hexanone	0.156	0.137	12.2	88	0.00
60	T	Dibromochloromethane	0.308	0.278	9.7	92	0.00
61	T	1,2-Dibromoethane	0.221	0.203	8.1	95	0.00
62	S	4-Bromofluorobenzene	0.359	0.329	8.4	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.430	0.391	9.1	94	0.00
65	PM	Chlorobenzene	1.106	1.017	8.0	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.339	9.1	94	0.00
67	C	Ethyl Benzene	2.052	1.939	5.5#	98	0.00
68	T	m/p-Xylenes	0.778	0.727	6.6	97	0.00
69	T	o-Xylene	0.729	0.670	8.1	96	0.00
70	T	Styrene	1.206	1.129	6.4	96	0.00
71	P	Bromoform	0.198	0.178	10.1	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	4.105	3.853	6.1	97	0.00
74	T	N-amyl acetate	1.036	0.943	9.0	91	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.602	10.7	92	0.00
76	T	1,2,3-Trichloropropane	0.572	0.470	17.8	78	0.00
77	T	Bromobenzene	0.866	0.790	8.8	95	0.00
78	T	n-propylbenzene	5.014	4.683	6.6	96	0.00
79	T	2-Chlorotoluene	2.657	2.470	7.0	96	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.021	6.3	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.204	13.9	91	0.00
82	T	4-Chlorotoluene	2.741	2.538	7.4	95	0.00
83	T	tert-Butylbenzene	2.893	2.757	4.7	99	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.013	6.5	97	0.00
85	T	sec-Butylbenzene	4.430	4.186	5.5	98	0.00
86	T	p-Isopropyltoluene	3.652	3.456	5.4	98	0.00
87	T	1,3-Dichlorobenzene	1.755	1.612	8.1	97	0.00
88	T	1,4-Dichlorobenzene	1.702	1.536	9.8	94	0.00
89	T	n-Butylbenzene	3.464	3.324	4.0	98	0.00
90	T	Hexachloroethane	0.711	0.670	5.8	97	0.00
91	T	1,2-Dichlorobenzene	1.490	1.347	9.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.088	10.2	87	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.756	7.0	96	0.00
94	T	Hexachlorobutadiene	0.449	0.408	9.1	95	0.00
95	T	Naphthalene	1.560	1.404	10.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.697	0.618	11.3	92	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
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Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	104	0.00
2	T	Dichlorodifluoromethane	50.000	42.825	14.3	97	0.00
3	P	Chloromethane	50.000	47.616	4.8	107	0.00
4	C	Vinyl Chloride	50.000	48.066	3.9#	103	0.00
5	T	Bromomethane	50.000	42.515	15.0	105	0.00
6	T	Chloroethane	50.000	44.575	10.8	102	0.00
7	T	Trichlorofluoromethane	50.000	47.475	5.0	105	0.00
8	T	Diethyl Ether	50.000	44.247	11.5	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.230	9.5	96	0.00
10	T	Methyl Iodide	50.000	44.885	10.2	86	0.00
11	T	Tert butyl alcohol	250.000	205.761	17.7	87	0.00
12	CM	1,1-Dichloroethene	50.000	46.234	7.5#	98	-0.01
13	T	Acrolein	250.000	223.473	10.6	97	0.00
14	T	Allyl chloride	50.000	45.834	8.3	98	0.00
15	T	Acrylonitrile	250.000	216.963	13.2	90	0.00
16	T	Acetone	250.000	221.854	11.3	91	0.00
17	T	Carbon Disulfide	50.000	46.432	7.1	98	0.00
18	T	Methyl Acetate	50.000	38.935	22.1	82	0.00
19	T	Methyl tert-butyl Ether	50.000	43.974	12.1	92	-0.01
20	T	Methylene Chloride	50.000	40.875	18.3	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.024	8.0	99	0.00
22	T	Diisopropyl ether	50.000	44.104	11.8	93	0.00
23	T	Vinyl Acetate	250.000	223.951	10.4	94	0.00
24	P	1,1-Dichloroethane	50.000	46.053	7.9	98	0.00
25	T	2-Butanone	250.000	220.736	11.7	90	0.00
26	T	2,2-Dichloropropane	50.000	46.639	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.024	8.0	96	0.00
28	T	Bromochloromethane	50.000	46.547	6.9	101	0.00
29	T	Tetrahydrofuran	250.000	211.767	15.3	89	0.00
30	C	Chloroform	50.000	45.919	8.2#	97	0.00
31	T	Cyclohexane	50.000	43.757	12.5	97	0.00
32	T	1,1,1-Trichloroethane	50.000	46.627	6.7	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.538	12.9	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	46.676	6.6	90	0.00
36	T	1,1-Dichloropropene	50.000	46.978	6.0	97	0.00
37	T	Ethyl Acetate	50.000	43.605	12.8	85	0.00
38	T	Carbon Tetrachloride	50.000	47.747	4.5	97	0.00
39	T	Methylcyclohexane	50.000	46.923	6.2	97	0.00
40	TM	Benzene	50.000	47.020	6.0	97	0.00
41	T	Methacrylonitrile	50.000	43.134	13.7	91	-0.01
42	TM	1,2-Dichloroethane	50.000	45.644	8.7	95	0.00
43	T	Isopropyl Acetate	50.000	44.122	11.8	90	0.00
44	TM	Trichloroethene	50.000	46.609	6.8	95	0.00
45	C	1,2-Dichloropropane	50.000	46.587	6.8#	95	0.00
46	T	Dibromomethane	50.000	46.430	7.1	95	0.00
47	T	Bromodichloromethane	50.000	46.825	6.3	96	0.00
48	T	Methyl methacrylate	50.000	44.198	11.6	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	816.553	18.3	88	-0.01
50	S	Toluene-d8	50.000	46.760	6.5	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	219.250	12.3	87	0.00
52	CM	Toluene	50.000	47.137	5.7#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	46.094	7.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.206	7.6	94	0.00
55	T	1,1,2-Trichloroethane	50.000	44.953	10.1	94	0.00
56	T	Ethyl methacrylate	50.000	45.029	9.9	91	0.00
57	T	1,3-Dichloropropane	50.000	45.696	8.6	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	243.746	2.5	101	0.00
59	T	2-Hexanone	250.000	220.088	12.0	88	0.00
60	T	Dibromochloromethane	50.000	45.114	9.8	92	0.00
61	T	1,2-Dibromoethane	50.000	45.960	8.1	95	0.00
62	S	4-Bromofluorobenzene	50.000	45.847	8.3	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	45.398	9.2	94	0.00
65	PM	Chlorobenzene	50.000	45.953	8.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.464	9.1	94	0.00
67	C	Ethyl Benzene	50.000	47.248	5.5#	98	0.00
68	T	m/p-Xylenes	100.000	93.473	6.5	97	0.00
69	T	o-Xylene	50.000	45.959	8.1	96	0.00
70	T	Styrene	50.000	46.815	6.4	96	0.00
71	P	Bromoform	50.000	44.852	10.3	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	46.933	6.1	97	0.00
74	T	N-amyl acetate	50.000	45.502	9.0	91	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.656	10.7	92	0.00
76	T	1,2,3-Trichloropropane	50.000	41.103	17.8	78	0.00
77	T	Bromobenzene	50.000	45.607	8.8	95	0.00
78	T	n-propylbenzene	50.000	46.696	6.6	96	0.00
79	T	2-Chlorotoluene	50.000	46.472	7.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.876	6.2	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.968	14.1	91	0.00
82	T	4-Chlorotoluene	50.000	46.289	7.4	95	0.00
83	T	tert-Butylbenzene	50.000	47.655	4.7	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.735	6.5	97	0.00
85	T	sec-Butylbenzene	50.000	47.241	5.5	98	0.00
86	T	p-Isopropyltoluene	50.000	47.321	5.4	98	0.00
87	T	1,3-Dichlorobenzene	50.000	45.932	8.1	97	0.00
88	T	1,4-Dichlorobenzene	50.000	45.113	9.8	94	0.00
89	T	n-Butylbenzene	50.000	47.968	4.1	98	0.00
90	T	Hexachloroethane	50.000	47.101	5.8	97	0.00
91	T	1,2-Dichlorobenzene	50.000	45.213	9.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.665	10.7	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.481	7.0	96	0.00
94	T	Hexachlorobutadiene	50.000	45.457	9.1	95	0.00
95	T	Naphthalene	50.000	45.009	10.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	44.331	11.3	92	0.00

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

Raw Data: **VY022742.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.: Q2364 SAS No.: Q2364 SDG No.: Q2364

Instrument ID: MSVOA_Y Calibration Date/Time: 06/19/2025 09:10

Lab File ID: VY022742.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.401		-10.49	20
Chloromethane	1.322	1.057	0.1	-20.05	20
Vinyl Chloride	1.534	1.440		-6.13	20
Bromomethane	1.470	1.180		-19.73	20
Chloroethane	1.053	1.070		1.61	20
Trichlorofluoromethane	1.302	1.323		1.61	20
1,1,2-Trichlorotrifluoroethane	0.549	0.585		6.56	20
1,1-Dichloroethene	0.524	0.548		4.58	20
Acetone	0.114	0.127		11.4	20
Carbon Disulfide	1.679	1.619		-3.57	20
Methyl tert-butyl Ether	1.477	1.571		6.36	20
Methyl Acetate	0.336	0.395		17.56	20
Methylene Chloride	0.645	0.661		2.48	20
trans-1,2-Dichloroethene	0.587	0.630		7.32	20
1,1-Dichloroethane	1.079	1.227	0.1	13.72	20
Cyclohexane	1.075	1.012		-5.86	20
2-Butanone	0.164	0.173		5.49	20
Carbon Tetrachloride	0.497	0.557		12.07	20
cis-1,2-Dichloroethene	0.678	0.751		10.77	20
Bromochloromethane	0.471	0.506		7.43	20
Chloroform	1.069	1.227		14.78	20
1,1,1-Trichloroethane	0.949	1.074		13.17	20
Methylcyclohexane	0.651	0.656		0.77	20
Benzene	1.431	1.613		12.72	20
1,2-Dichloroethane	0.391	0.438		12.02	20
Trichloroethene	0.350	0.387		10.57	20
1,2-Dichloropropane	0.338	0.389		15.09	20
Bromodichloromethane	0.482	0.562		16.6	20
4-Methyl-2-Pentanone	0.233	0.248		6.44	20
Toluene	0.899	1.000		11.23	20
t-1,3-Dichloropropene	0.452	0.497		9.96	20
cis-1,3-Dichloropropene	0.526	0.594		12.93	20
1,1,2-Trichloroethane	0.243	0.277		13.99	20
2-Hexanone	0.156	0.163		4.49	20
Dibromochloromethane	0.308	0.351		13.96	20
1,2-Dibromoethane	0.221	0.246		11.31	20
Tetrachloroethene	0.430	0.506		17.67	20
Chlorobenzene	1.106	1.236	0.3	11.75	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: **VY022742.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.: Q2364 SAS No.: Q2364 SDG No.: Q2364

Instrument ID: MSVOA_Y Calibration Date/Time: 06/19/2025 09:10

Lab File ID: VY022742.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.275		10.87	20
m/p-Xylenes	0.778	0.866		11.31	20
o-Xylene	0.729	0.806		10.56	20
Styrene	1.206	1.353		12.19	20
Bromoform	0.198	0.220	0.1	11.11	20
Isopropylbenzene	4.105	4.525		10.23	20
1,1,2,2-Tetrachloroethane	0.674	0.725	0.3	7.57	20
1,3-Dichlorobenzene	1.755	1.968		12.14	20
1,4-Dichlorobenzene	1.702	1.883		10.64	20
1,2-Dichlorobenzene	1.490	1.622		8.86	20
1,2-Dibromo-3-Chloropropane	0.098	0.102		4.08	20
1,2,4-Trichlorobenzene	0.813	0.892		9.72	20
1,2,3-Trichlorobenzene	0.697	0.738		5.88	20
1,2-Dichloroethane-d4	0.559	0.594		6.26	20
Dibromofluoromethane	0.298	0.323		8.39	20
Toluene-d8	1.206	1.284		6.47	20
4-Bromofluorobenzene	0.359	0.367		2.23	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\VY061925\
Data File : VY022742.D
Acq On : 19 Jun 2025 09:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 02:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	138661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	231867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	198920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	92724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	82367	53.111	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.220%			
35) Dibromofluoromethane	7.634	113	74887	54.110	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.220%			
50) Toluene-d8	10.109	98	297824	53.258	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.408	95	85091	51.070	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	55615	44.799	ug/l	98
3) Chloromethane	2.068	50	146616	39.977	ug/l	99
4) Vinyl Chloride	2.208	62	199624	46.920	ug/l	97
5) Bromomethane	2.598	94	163575	40.113	ug/l	99
6) Chloroethane	2.739	64	148397	50.816	ug/l	98
7) Trichlorofluoromethane	3.056	101	183502	50.805	ug/l	97
8) Diethyl Ether	3.452	74	42298	52.001	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	81173	53.361	ug/l	98
10) Methyl Iodide	4.007	142	90181	54.780	ug/l	98
11) Tert butyl alcohol	4.860	59	25975	234.502	ug/l #	93
12) 1,1-Dichloroethene	3.793	96	75962	52.240	ug/l	99
13) Acrolein	3.653	56	9596	69.514	ug/l	95
14) Allyl chloride	4.385	41	117558	51.499	ug/l	98
15) Acrylonitrile	5.055	53	91170	264.654	ug/l	99
16) Acetone	3.873	43	88320	280.422	ug/l	95
17) Carbon Disulfide	4.104	76	224429	48.209	ug/l	98
18) Methyl Acetate	4.391	43	54736	58.688	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	217901	53.204	ug/l	99
20) Methylene Chloride	4.616	84	91627	51.215	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	87408	53.710	ug/l	97
22) Diisopropyl ether	6.019	45	273729	53.872	ug/l	96
23) Vinyl Acetate	5.964	43	761132	253.088	ug/l	100
24) 1,1-Dichloroethane	5.915	63	170153	56.843	ug/l	99
25) 2-Butanone	6.896	43	119835	263.777	ug/l	97
26) 2,2-Dichloropropane	6.890	77	149556	56.547	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	104198	55.394	ug/l	98
28) Bromochloromethane	7.250	49	70148	53.760	ug/l	97
29) Tetrahydrofuran	7.262	42	74655	254.785	ug/l	100
30) Chloroform	7.427	83	170088	57.367	ug/l	98
31) Cyclohexane	7.701	56	140281	47.073	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	148949	56.592	ug/l	99
36) 1,1-Dichloropropene	7.841	75	121499	54.091	ug/l	99
37) Ethyl Acetate	6.988	43	51619	51.532	ug/l	99
38) Carbon Tetrachloride	7.823	117	129243	56.089	ug/l	96
39) Methylcyclohexane	9.109	83	152074	50.380	ug/l	99
40) Benzene	8.085	78	374033	56.379	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022742.D
Acq On : 19 Jun 2025 09:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 02:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	29035	49.625	ug/l		96
42) 1,2-Dichloroethane	8.158	62	101608	56.092	ug/l		99
43) Isopropyl Acetate	8.201	43	109705	50.710	ug/l		98
44) Trichloroethene	8.866	130	89780	55.370	ug/l		96
45) 1,2-Dichloropropane	9.140	63	90244	57.557	ug/l		98
46) Dibromomethane	9.231	93	48415	54.887	ug/l		97
47) Bromodichloromethane	9.426	83	130349	58.279	ug/l		98
48) Methyl methacrylate	9.225	41	52415	51.624	ug/l		98
49) 1,4-Dioxane	9.231	88	10523	1006.978	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.000	43	287633	266.676	ug/l		98
52) Toluene	10.170	92	231876	55.617	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	115321	55.029	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	137801	56.488	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	64219	57.095	ug/l		96
56) Ethyl methacrylate	10.438	69	85846	52.807	ug/l		98
57) 1,3-Dichloropropane	10.719	76	113639	57.004	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	212275	287.603	ug/l		100
59) 2-Hexanone	10.762	43	189488	262.685	ug/l		98
60) Dibromochloromethane	10.914	129	81443	56.978	ug/l		99
61) 1,2-Dibromoethane	11.018	107	57026	55.626	ug/l		96
64) Tetrachloroethene	10.646	164	100706	58.853	ug/l		97
65) Chlorobenzene	11.444	112	245829	55.847	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	84194	56.778	ug/l		98
67) Ethyl Benzene	11.518	91	452489	55.422	ug/l		100
68) m/p-Xylenes	11.627	106	344550	111.322	ug/l		99
69) o-Xylene	11.957	106	160351	55.258	ug/l		99
70) Styrene	11.969	104	269132	56.108	ug/l		98
71) Bromoform	12.133	173	43716	55.400	ug/l	#	100
73) Isopropylbenzene	12.255	105	419573	55.115	ug/l		99
74) N-amyl acetate	12.072	43	94800	49.354	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	67196	53.782	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	49418m	46.586	ug/l		
77) Bromobenzene	12.530	156	88508	55.095	ug/l		99
78) n-propylbenzene	12.597	91	512268	55.094	ug/l		99
79) 2-Chlorotoluene	12.682	91	272243	55.244	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	326979	54.710	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	21799	49.626	ug/l		98
82) 4-Chlorotoluene	12.780	91	277066	54.501	ug/l		98
83) tert-Butylbenzene	12.999	119	298267	55.604	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	328248	54.913	ug/l		100
85) sec-Butylbenzene	13.176	105	449393	54.702	ug/l		99
86) p-Isopropyltoluene	13.292	119	370775	54.754	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	182521	56.077	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	174615	55.313	ug/l		99
89) n-Butylbenzene	13.615	91	354657	55.202	ug/l		99
90) Hexachloroethane	13.883	117	73533	55.778	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	150394	54.422	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9488	52.158	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	82741	54.898	ug/l		95
94) Hexachlorobutadiene	15.023	225	45298	54.454	ug/l		98
95) Naphthalene	15.145	128	150762	52.126	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	68444	52.989	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022742.D
Acq On : 19 Jun 2025 09:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 02:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

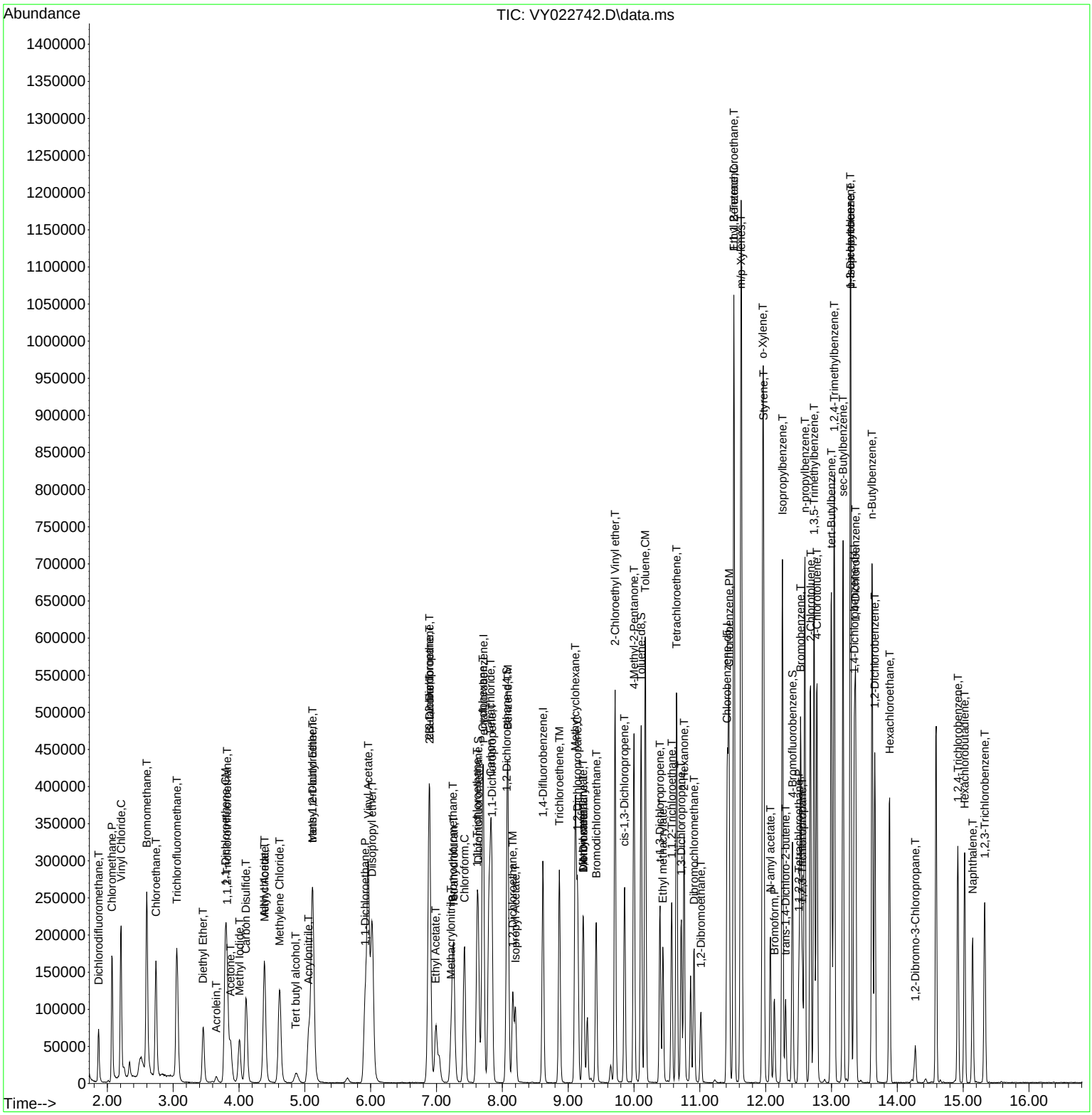
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022742.D
Acq On : 19 Jun 2025 09:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 02:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025



Sample Results: **VY022742.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022742.D
Acq On : 19 Jun 2025 09:10
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: Jun 20 02:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	66	0.00
2	T	Dichlorodifluoromethane	0.448	0.401	10.5	64	0.00
3	P	Chloromethane	1.322	1.057	20.0	57	0.00
4	C	Vinyl Chloride	1.534	1.440	6.1#	64	0.00
5	T	Bromomethane	1.470	1.180	19.7	63	0.00
6	T	Chloroethane	1.053	1.070	-1.6	73	0.00
7	T	Trichlorofluoromethane	1.302	1.323	-1.6	71	0.00
8	T	Diethyl Ether	0.293	0.305	-4.1	69	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.585	-6.6	72	0.00
10	T	Methyl Iodide	0.594	0.650	-9.4	67	0.00
11	T	Tert butyl alcohol	0.040	0.037	7.5	63	-0.02
12	CM	1,1-Dichloroethene	0.524	0.548	-4.6#	70	0.00
13	T	Acrolein	0.050	0.014	72.0#	19#	0.00
14	T	Allyl chloride	0.823	0.848	-3.0	69	0.00
15	T	Acrylonitrile	0.124	0.132	-6.5	69	-0.01
16	T	Acetone	0.114	0.127	-11.4	73	0.00
17	T	Carbon Disulfide	1.679	1.619	3.6	64	0.00
18	T	Methyl Acetate	0.336	0.395	-17.6	78	0.00
19	T	Methyl tert-butyl Ether	1.477	1.571	-6.4	71	-0.01
20	T	Methylene Chloride	0.645	0.661	-2.5	76	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.630	-7.3	73	0.00
22	T	Diisopropyl ether	1.832	1.974	-7.8	72	0.00
23	T	Vinyl Acetate	1.084	1.098	-1.3	67	0.00
24	P	1,1-Dichloroethane	1.079	1.227	-13.7	76	0.00
25	T	2-Butanone	0.164	0.173	-5.5	68	0.00
26	T	2,2-Dichloropropane	0.954	1.079	-13.1	75	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.751	-10.8	73	0.00
28	T	Bromochloromethane	0.471	0.506	-7.4	74	0.00
29	T	Tetrahydrofuran	0.106	0.108	-1.9	68	0.00
30	C	Chloroform	1.069	1.227	-14.8#	77	0.00
31	T	Cyclohexane	1.075	1.012	5.9	66	0.00
32	T	1,1,1-Trichloroethane	0.949	1.074	-13.2	75	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.594	-6.3	66	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	66	0.00
35	S	Dibromofluoromethane	0.298	0.323	-8.4	66	0.00
36	T	1,1-Dichloropropene	0.484	0.524	-8.3	71	0.00
37	T	Ethyl Acetate	0.216	0.223	-3.2	64	0.00
38	T	Carbon Tetrachloride	0.497	0.557	-12.1	72	0.00
39	T	Methylcyclohexane	0.651	0.656	-0.8	66	0.00
40	TM	Benzene	1.431	1.613	-12.7	74	0.00
41	T	Methacrylonitrile	0.126	0.125	0.8	66	-0.01
42	TM	1,2-Dichloroethane	0.391	0.438	-12.0	74	0.00
43	T	Isopropyl Acetate	0.467	0.473	-1.3	65	0.00
44	TM	Trichloroethene	0.350	0.387	-10.6	72	0.00
45	C	1,2-Dichloropropane	0.338	0.389	-15.1#	75	0.00
46	T	Dibromomethane	0.190	0.209	-10.0	72	0.00
47	T	Bromodichloromethane	0.482	0.562	-16.6	76	0.00
48	T	Methyl methacrylate	0.219	0.226	-3.2	67	0.00

Sample Results: **VY022742.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022742.D
Acq On : 19 Jun 2025 09:10
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: Jun 20 02:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	69	-0.01
50	S	Toluene-d8	1.206	1.284	-6.5	66	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.248	-6.4	68	0.00
52	CM	Toluene	0.899	1.000	-11.2#	73	0.00
53	T	t-1,3-Dichloropropene	0.452	0.497	-10.0	71	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.594	-12.9	73	0.00
55	T	1,1,2-Trichloroethane	0.243	0.277	-14.0	76	0.00
56	T	Ethyl methacrylate	0.351	0.370	-5.4	67	0.00
57	T	1,3-Dichloropropane	0.430	0.490	-14.0	74	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.183	-15.1	76	0.00
59	T	2-Hexanone	0.156	0.163	-4.5	67	0.00
60	T	Dibromochloromethane	0.308	0.351	-14.0	74	0.00
61	T	1,2-Dibromoethane	0.221	0.246	-11.3	73	0.00
62	S	4-Bromofluorobenzene	0.359	0.367	-2.2	65	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	67	0.00
64	T	Tetrachloroethene	0.430	0.506	-17.7	77	0.00
65	PM	Chlorobenzene	1.106	1.236	-11.8	74	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.423	-13.4	75	0.00
67	C	Ethyl Benzene	2.052	2.275	-10.9#	73	0.00
68	T	m/p-Xylenes	0.778	0.866	-11.3	74	0.00
69	T	o-Xylene	0.729	0.806	-10.6	73	0.00
70	T	Styrene	1.206	1.353	-12.2	73	0.00
71	P	Bromoform	0.198	0.220	-11.1	73	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	66	0.00
73	T	Isopropylbenzene	4.105	4.525	-10.2	73	0.00
74	T	N-amyl acetate	1.036	1.022	1.4	63	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.725	-7.6	71	0.00
76	T	1,2,3-Trichloropropane	0.572	0.533	6.8	56	0.00
77	T	Bromobenzene	0.866	0.955	-10.3	73	0.00
78	T	n-propylbenzene	5.014	5.525	-10.2	72	0.00
79	T	2-Chlorotoluene	2.657	2.936	-10.5	73	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.526	-9.4	72	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.235	0.8	67	0.00
82	T	4-Chlorotoluene	2.741	2.988	-9.0	72	0.00
83	T	tert-Butylbenzene	2.893	3.217	-11.2	74	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.540	-9.8	73	0.00
85	T	sec-Butylbenzene	4.430	4.847	-9.4	72	0.00
86	T	p-Isopropyltoluene	3.652	3.999	-9.5	73	0.00
87	T	1,3-Dichlorobenzene	1.755	1.968	-12.1	75	0.00
88	T	1,4-Dichlorobenzene	1.702	1.883	-10.6	74	0.00
89	T	n-Butylbenzene	3.464	3.825	-10.4	72	0.00
90	T	Hexachloroethane	0.711	0.793	-11.5	74	0.00
91	T	1,2-Dichlorobenzene	1.490	1.622	-8.9	71	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.102	-4.1	65	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.892	-9.7	73	0.00
94	T	Hexachlorobutadiene	0.449	0.489	-8.9	73	0.00
95	T	Naphthalene	1.560	1.626	-4.2	67	0.00

Sample Results: **VY022742.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
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Acq On : 19 Jun 2025 09:10
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: Jun 20 02:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	0.697	0.738	-5.9	70	0.00

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

Sample Results: **VY022742.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022742.D
Acq On : 19 Jun 2025 09:10
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: Jun 20 02:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
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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	66	0.00
2	T	Dichlorodifluoromethane	50.000	44.799	10.4	64	0.00
3	P	Chloromethane	50.000	39.977	20.0	57	0.00
4	C	Vinyl Chloride	50.000	46.920	6.2#	64	0.00
5	T	Bromomethane	50.000	40.113	19.8	63	0.00
6	T	Chloroethane	50.000	50.816	-1.6	73	0.00
7	T	Trichlorofluoromethane	50.000	50.805	-1.6	71	0.00
8	T	Diethyl Ether	50.000	52.001	-4.0	69	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.361	-6.7	72	0.00
10	T	Methyl Iodide	50.000	54.780	-9.6	67	0.00
11	T	Tert butyl alcohol	250.000	234.502	6.2	63	-0.02
12	CM	1,1-Dichloroethene	50.000	52.240	-4.5#	70	0.00
13	T	Acrolein	250.000	69.514	72.2#	19	0.00
14	T	Allyl chloride	50.000	51.499	-3.0	69	0.00
15	T	Acrylonitrile	250.000	264.654	-5.9	69	-0.01
16	T	Acetone	250.000	280.422	-12.2	73	0.00
17	T	Carbon Disulfide	50.000	48.209	3.6	64	0.00
18	T	Methyl Acetate	50.000	58.688	-17.4	78	0.00
19	T	Methyl tert-butyl Ether	50.000	53.204	-6.4	71	-0.01
20	T	Methylene Chloride	50.000	51.215	-2.4	76	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.710	-7.4	73	0.00
22	T	Diisopropyl ether	50.000	53.872	-7.7	72	0.00
23	T	Vinyl Acetate	250.000	253.088	-1.2	67	0.00
24	P	1,1-Dichloroethane	50.000	56.843	-13.7	76	0.00
25	T	2-Butanone	250.000	263.777	-5.5	68	0.00
26	T	2,2-Dichloropropane	50.000	56.547	-13.1	75	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.394	-10.8	73	0.00
28	T	Bromochloromethane	50.000	53.760	-7.5	74	0.00
29	T	Tetrahydrofuran	250.000	254.785	-1.9	68	0.00
30	C	Chloroform	50.000	57.367	-14.7#	77	0.00
31	T	Cyclohexane	50.000	47.073	5.9	66	0.00
32	T	1,1,1-Trichloroethane	50.000	56.592	-13.2	75	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.111	-6.2	66	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	66	0.00
35	S	Dibromofluoromethane	50.000	54.110	-8.2	66	0.00
36	T	1,1-Dichloropropene	50.000	54.091	-8.2	71	0.00
37	T	Ethyl Acetate	50.000	51.532	-3.1	64	0.00
38	T	Carbon Tetrachloride	50.000	56.089	-12.2	72	0.00
39	T	Methylcyclohexane	50.000	50.380	-0.8	66	0.00
40	TM	Benzene	50.000	56.379	-12.8	74	0.00
41	T	Methacrylonitrile	50.000	49.625	0.8	66	-0.01
42	TM	1,2-Dichloroethane	50.000	56.092	-12.2	74	0.00
43	T	Isopropyl Acetate	50.000	50.710	-1.4	65	0.00
44	TM	Trichloroethene	50.000	55.370	-10.7	72	0.00
45	C	1,2-Dichloropropane	50.000	57.557	-15.1#	75	0.00
46	T	Dibromomethane	50.000	54.887	-9.8	72	0.00
47	T	Bromodichloromethane	50.000	58.279	-16.6	76	0.00
48	T	Methyl methacrylate	50.000	51.624	-3.2	67	0.00

Sample Results: **VY022742.D**

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Sample : VSTDCCC050
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
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VSTDCCC050

Quant Time: Jun 20 02:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	1006.978	-0.7	69	-0.01
50	S	Toluene-d8	50.000	53.258	-6.5	66	0.00
51	T	4-Methyl-2-Pentanone	250.000	266.676	-6.7	68	0.00
52	CM	Toluene	50.000	55.617	-11.2#	73	0.00
53	T	t-1,3-Dichloropropene	50.000	55.029	-10.1	71	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.488	-13.0	73	0.00
55	T	1,1,2-Trichloroethane	50.000	57.095	-14.2	76	0.00
56	T	Ethyl methacrylate	50.000	52.807	-5.6	67	0.00
57	T	1,3-Dichloropropane	50.000	57.004	-14.0	74	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	287.603	-15.0	76	0.00
59	T	2-Hexanone	250.000	262.685	-5.1	67	0.00
60	T	Dibromochloromethane	50.000	56.978	-14.0	74	0.00
61	T	1,2-Dibromoethane	50.000	55.626	-11.3	73	0.00
62	S	4-Bromofluorobenzene	50.000	51.070	-2.1	65	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	67	0.00
64	T	Tetrachloroethene	50.000	58.853	-17.7	77	0.00
65	PM	Chlorobenzene	50.000	55.847	-11.7	74	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.778	-13.6	75	0.00
67	C	Ethyl Benzene	50.000	55.422	-10.8#	73	0.00
68	T	m/p-Xylenes	100.000	111.322	-11.3	74	0.00
69	T	o-Xylene	50.000	55.258	-10.5	73	0.00
70	T	Styrene	50.000	56.108	-12.2	73	0.00
71	P	Bromoform	50.000	55.400	-10.8	73	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	66	0.00
73	T	Isopropylbenzene	50.000	55.115	-10.2	73	0.00
74	T	N-amyl acetate	50.000	49.354	1.3	63	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.782	-7.6	71	0.00
76	T	1,2,3-Trichloropropane	50.000	46.586	6.8	56	0.00
77	T	Bromobenzene	50.000	55.095	-10.2	73	0.00
78	T	n-propylbenzene	50.000	55.094	-10.2	72	0.00
79	T	2-Chlorotoluene	50.000	55.244	-10.5	73	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.710	-9.4	72	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.626	0.7	67	0.00
82	T	4-Chlorotoluene	50.000	54.501	-9.0	72	0.00
83	T	tert-Butylbenzene	50.000	55.604	-11.2	74	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.913	-9.8	73	0.00
85	T	sec-Butylbenzene	50.000	54.702	-9.4	72	0.00
86	T	p-Isopropyltoluene	50.000	54.754	-9.5	73	0.00
87	T	1,3-Dichlorobenzene	50.000	56.077	-12.2	75	0.00
88	T	1,4-Dichlorobenzene	50.000	55.313	-10.6	74	0.00
89	T	n-Butylbenzene	50.000	55.202	-10.4	72	0.00
90	T	Hexachloroethane	50.000	55.778	-11.6	74	0.00
91	T	1,2-Dichlorobenzene	50.000	54.422	-8.8	71	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.158	-4.3	65	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.898	-9.8	73	0.00
94	T	Hexachlorobutadiene	50.000	54.454	-8.9	73	0.00
95	T	Naphthalene	50.000	52.126	-4.3	67	0.00

Sample Results: **VY022742.D**

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Acq On : 19 Jun 2025 09:10
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: Jun 20 02:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
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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	52.989	-6.0	70	0.00

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

QC SAMPLE DATA

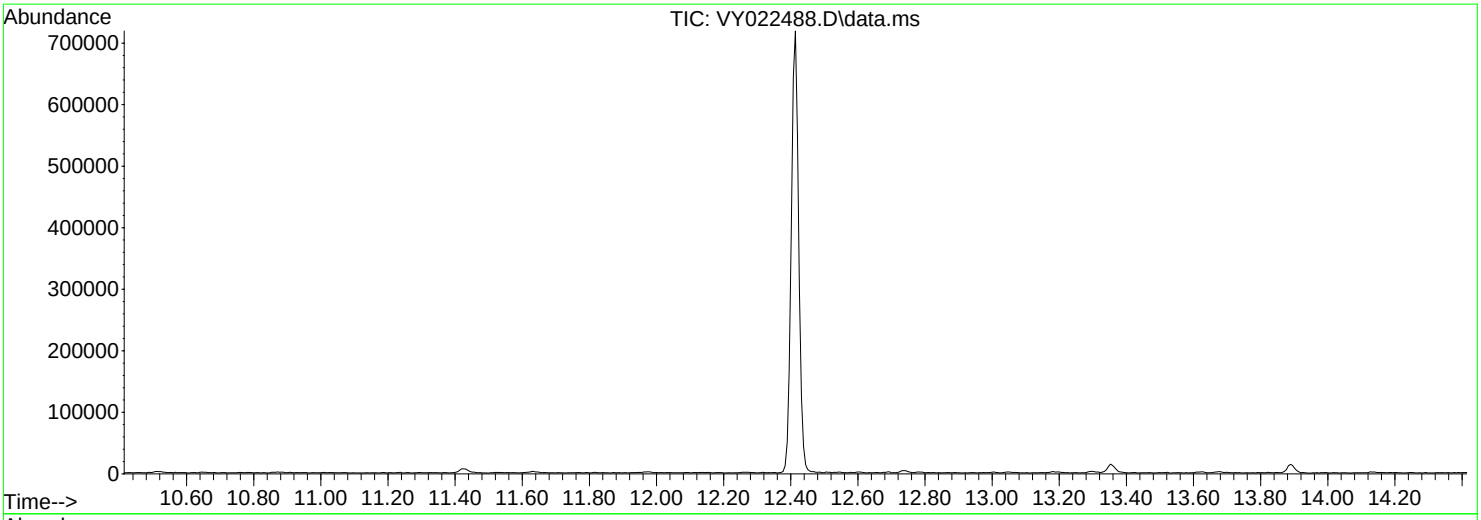
Sample Results: **VY022488.D**

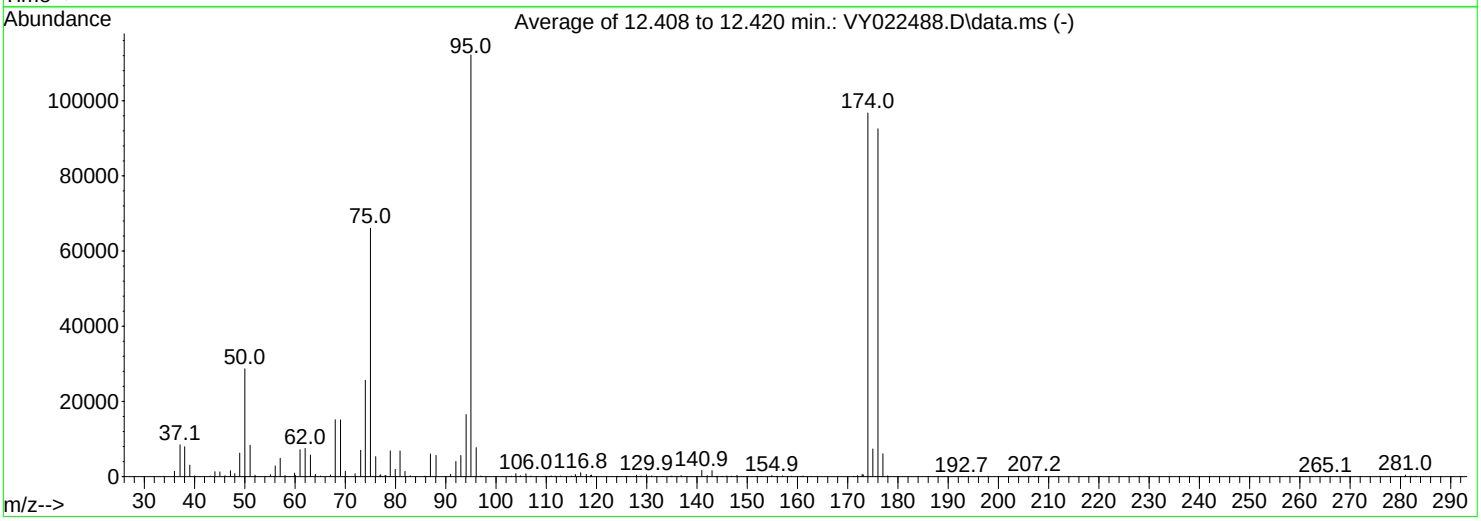
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022488.D
Acq On : 02 Jun 2025 08:31
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	28688	PASS
75	95	30	60	58.9	66115	PASS
95	95	100	100	100.0	112208	PASS
96	95	5	9	6.9	7706	PASS
173	174	0.00	2	0.6	591	PASS
174	95	50	100	86.2	96760	PASS
175	174	5	9	7.6	7372	PASS
176	174	95	101	95.6	92520	PASS
177	176	5	9	6.6	6076	PASS

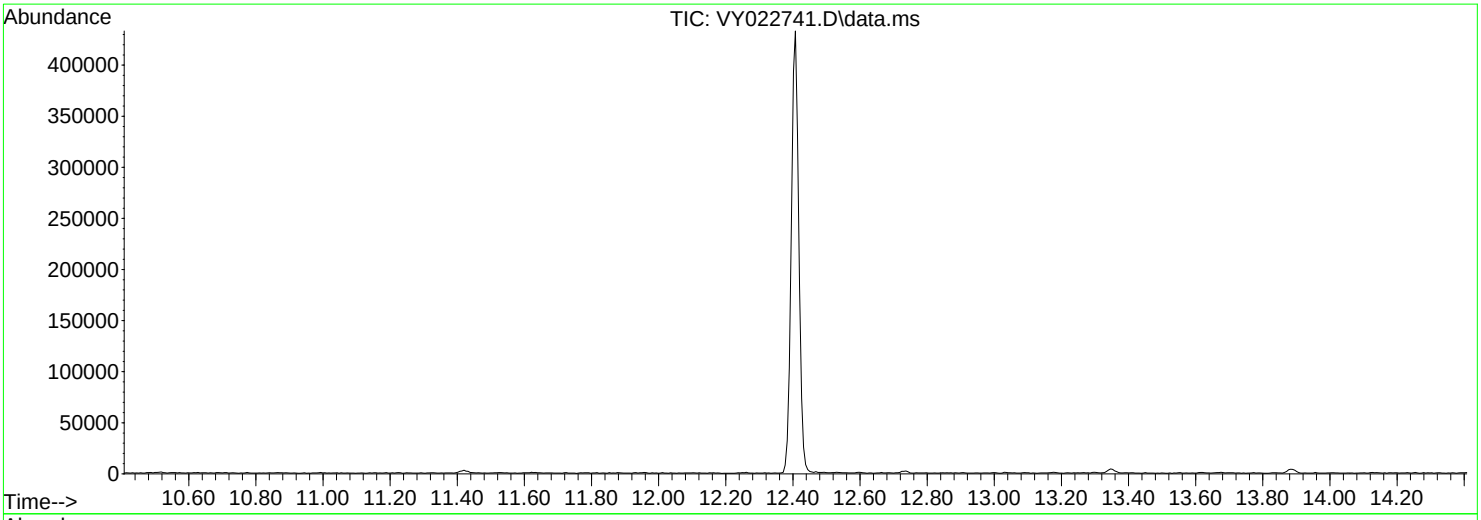
Sample Results: **VY022741.D**

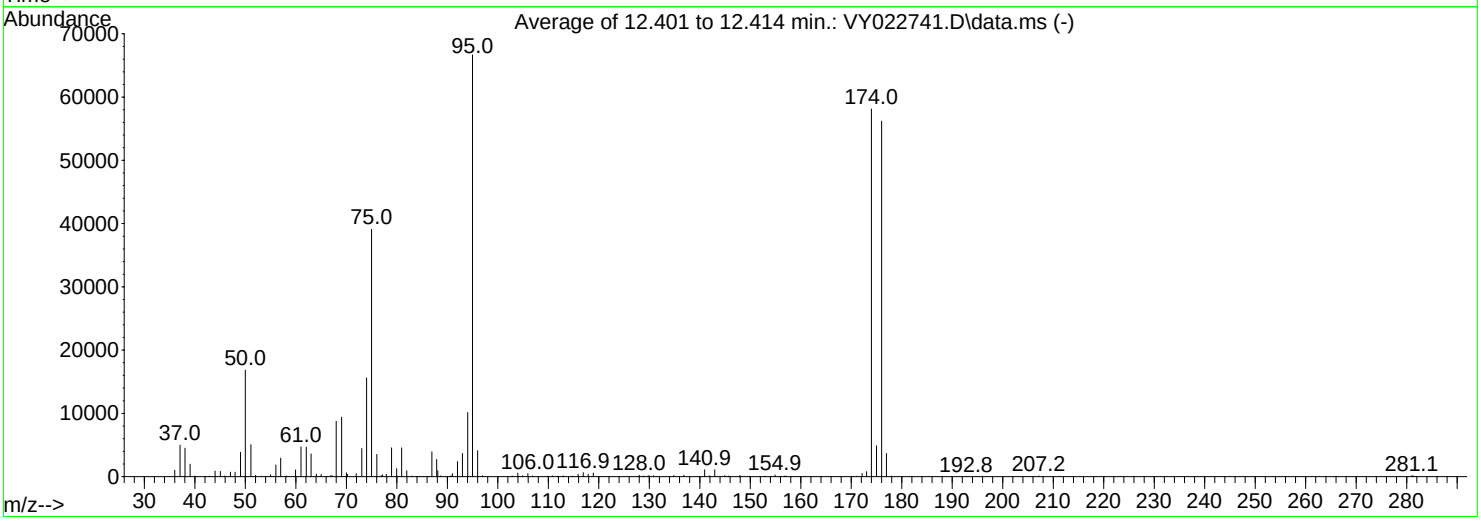
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022741.D
Acq On : 19 Jun 2025 08:38
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 10 15:26:14 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	25.3	16847	PASS
75	95	30	60	58.6	39093	PASS
95	95	100	100	100.0	66677	PASS
96	95	5	9	6.2	4105	PASS
173	174	0.00	2	1.4	794	PASS
174	95	50	100	87.2	58125	PASS
175	174	5	9	8.4	4873	PASS
176	174	95	101	96.7	56203	PASS
177	176	5	9	6.5	3681	PASS

Raw Data: **VY022743.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:	Ave B	Date Received:	
Client Sample ID:	VY0619SBL01	SDG No.:	Q2364
Lab Sample ID:	VY0619SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022743.D	1		06/19/25 09:48	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
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
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	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
79-20-9	Methyl Acetate	1.50	U	1.50	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
110-82-7	Cyclohexane	0.79	U	0.79	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
74-97-5	Bromochloromethane	1.20	U	1.20	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
108-87-2	Methylcyclohexane	0.91	U	0.91	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

Raw Data: **VY022743.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:	Ave B	Date Received:	
Client Sample ID:	VY0619SBL01	SDG No.:	Q2364
Lab Sample ID:	VY0619SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022743.D	1		06/19/25 09:48	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
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
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.4		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.2		70 (17) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	103000	7.713			
540-36-3	1,4-Difluorobenzene	191000	8.616			
3114-55-4	Chlorobenzene-d5	154000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	52400	13.346			

Raw Data: **VY022743.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:	Ave B	Date Received:	
Client Sample ID:	VY0619SBL01	SDG No.:	Q2364
Lab Sample ID:	VY0619SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022743.D	1		06/19/25 09:48	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022743.D
Acq On : 19 Jun 2025 09:48
Operator : SY/MD
Sample : VY0619SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

Quant Time: Jun 20 03:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

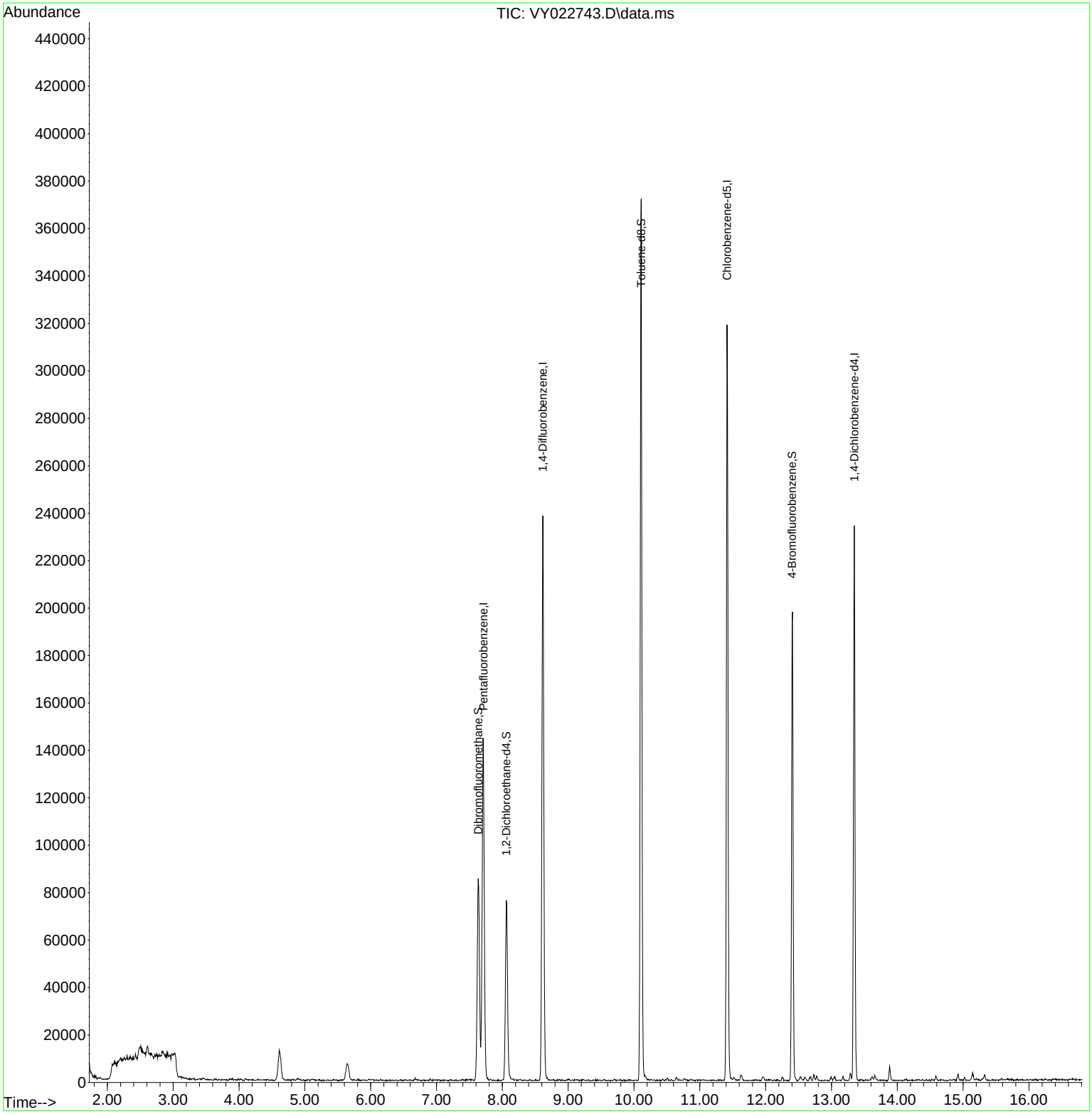
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	102602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	191401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	154033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	52432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	57838	50.401	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.800%			
35) Dibromofluoromethane	7.634	113	58093	50.850	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.700%			
50) Toluene-d8	10.109	98	233273	50.534	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.060%			
62) 4-Bromofluorobenzene	12.402	95	55223	40.151	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.300%			
Target Compounds						Qvalue

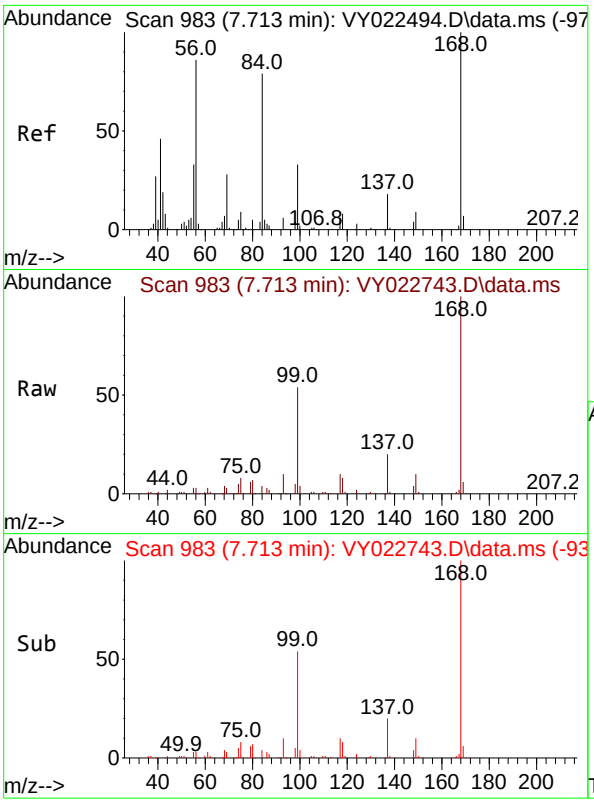
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022743.D
Acq On : 19 Jun 2025 09:48
Operator : SY/MD
Sample : VY0619SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

Quant Time: Jun 20 03:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



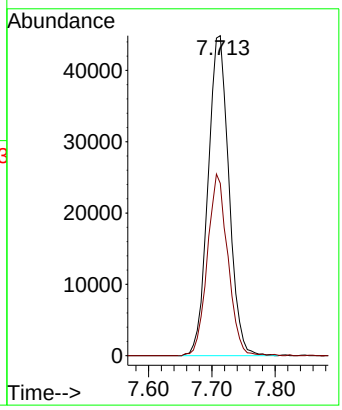


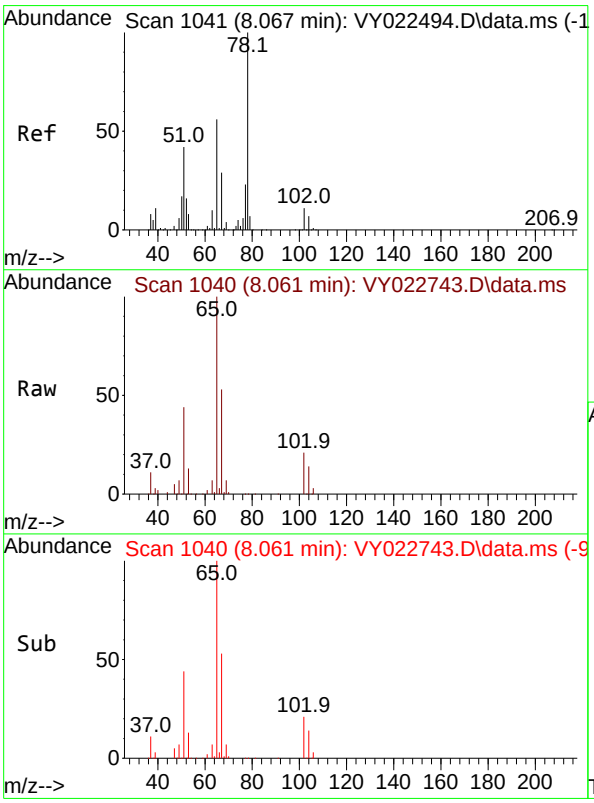
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022743.D
Acq: 19 Jun 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

Tgt Ion:168 Resp: 102602

Ion	Ratio	Lower	Upper
168	100		
99	53.9	44.3	66.5

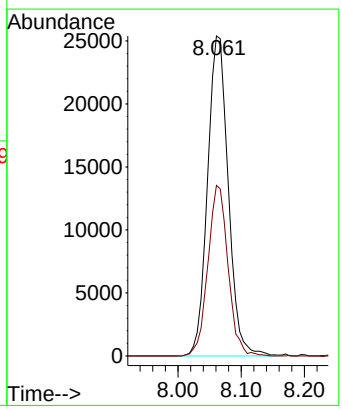


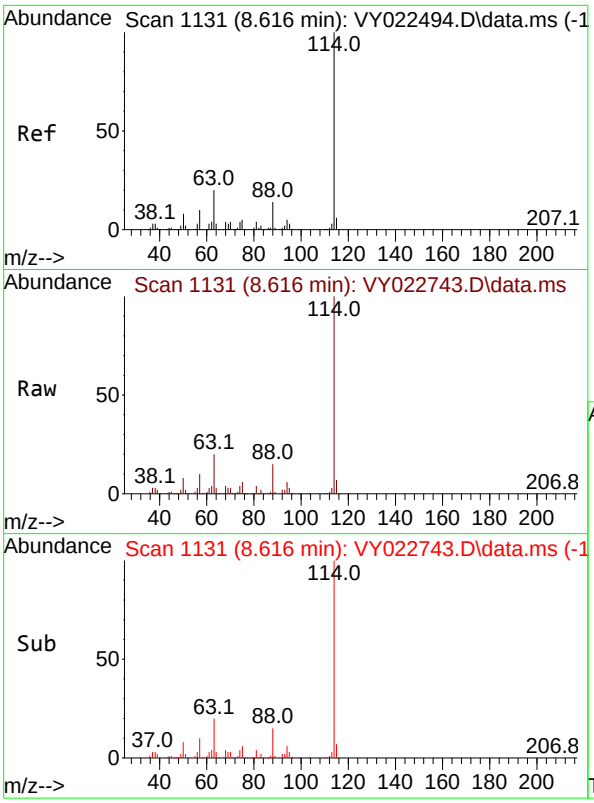


#33
1,2-Dichloroethane-d4
Concen: 50.401 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022743.D
Acq: 19 Jun 2025 09:48

Tgt Ion: 65 Resp: 57838

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.4



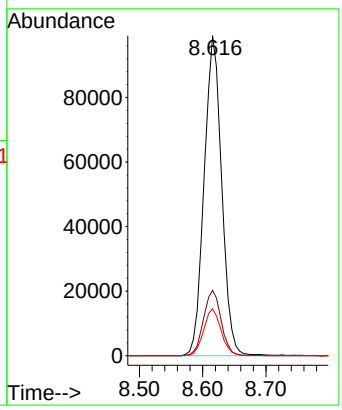


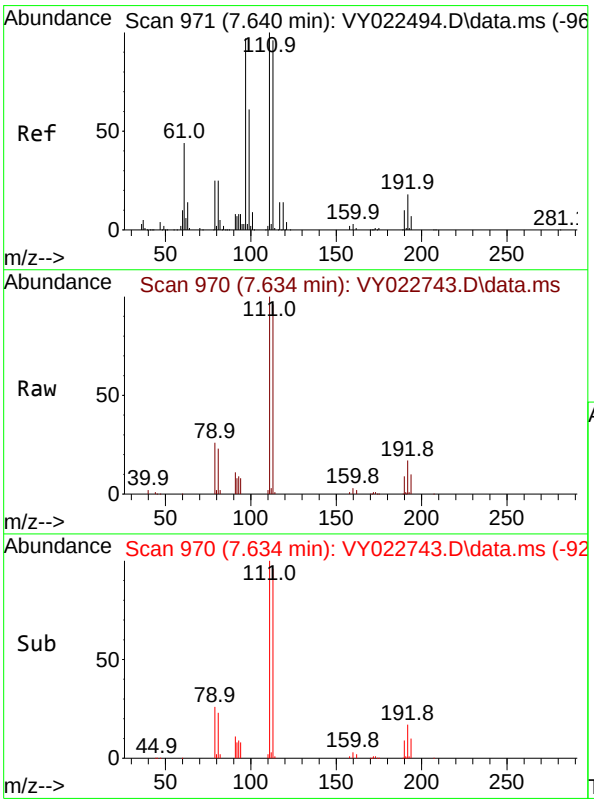
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022743.D
Acq: 19 Jun 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

Tgt Ion:114 Resp: 191401

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	14.7	0.0	27.8

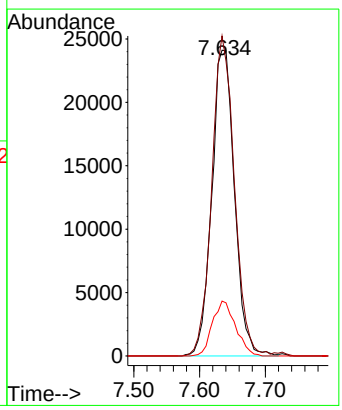


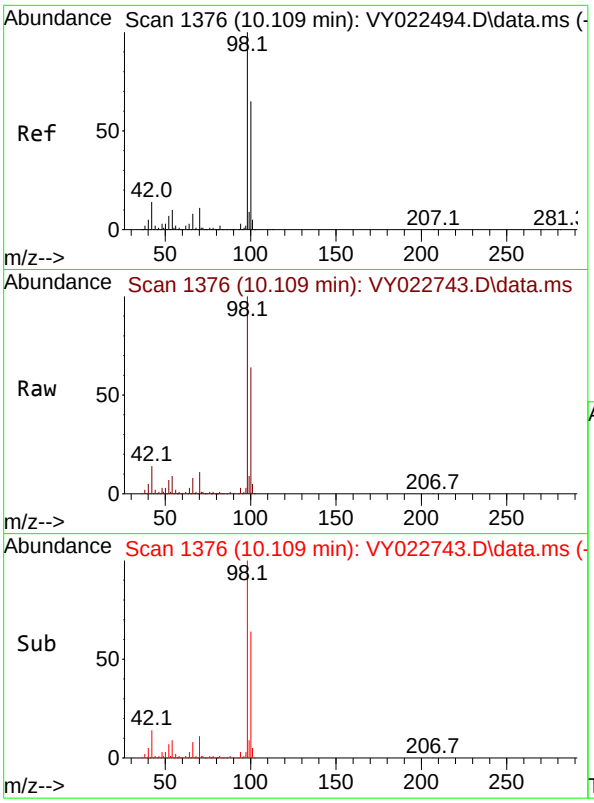


#35
Dibromofluoromethane
Concen: 50.850 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022743.D
Acq: 19 Jun 2025 09:48

Tgt Ion:113 Resp: 58093

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.1	121.7
192	18.3	14.2	21.2



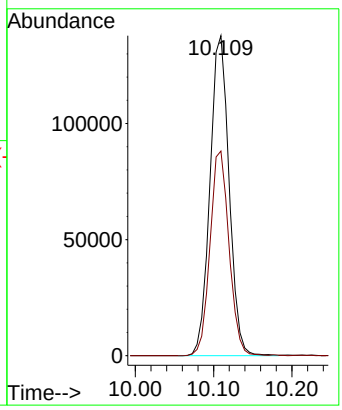


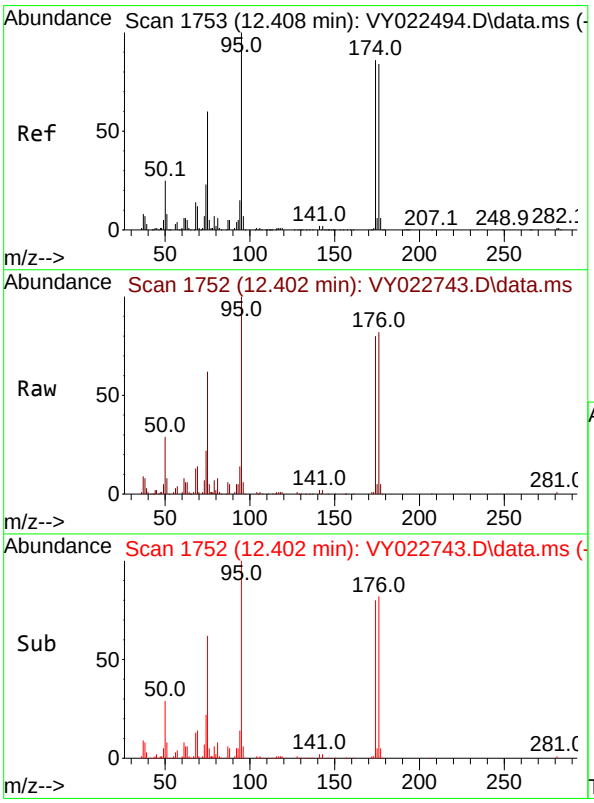
#50
Toluene-d8
Concen: 50.534 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022743.D
Acq: 19 Jun 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

Tgt Ion: 98 Resp: 233273

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.4	77.0

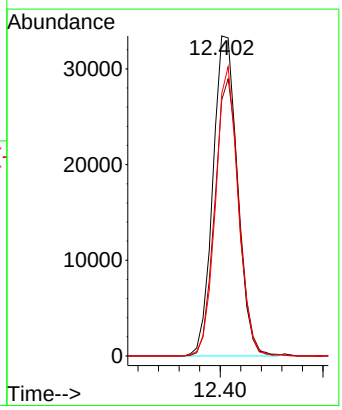


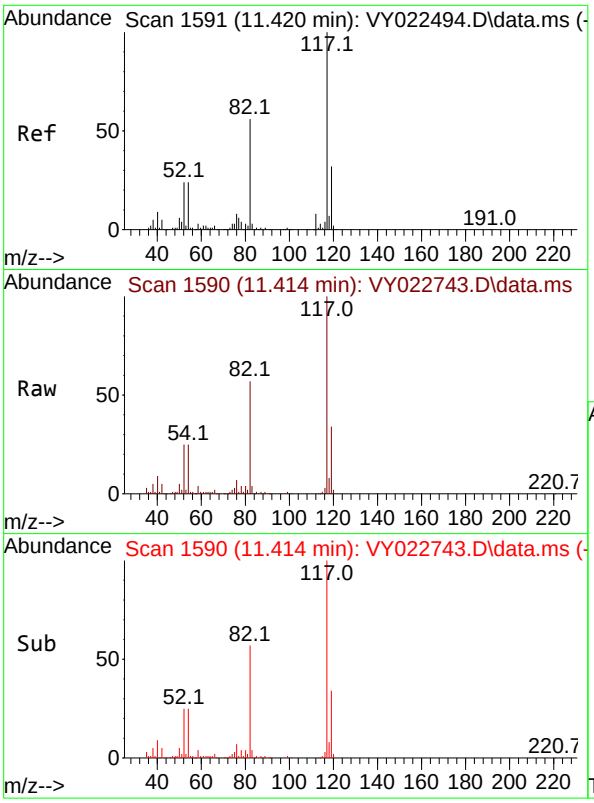


#62
4-Bromofluorobenzene
Concen: 40.151 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022743.D
Acq: 19 Jun 2025 09:48

Tgt Ion: 95 Resp: 55223

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	170.0
176	83.8	0.0	166.2



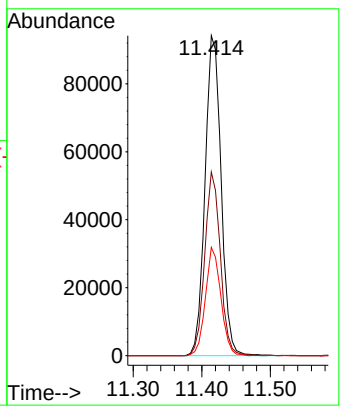


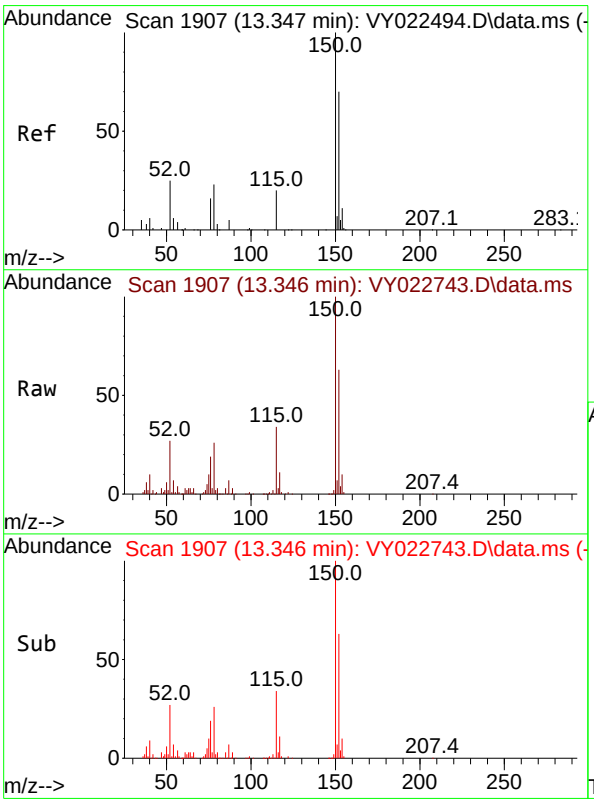
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022743.D
Acq: 19 Jun 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

Tgt Ion:117 Resp: 154033

Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	66.8
119	33.9	25.4	38.0

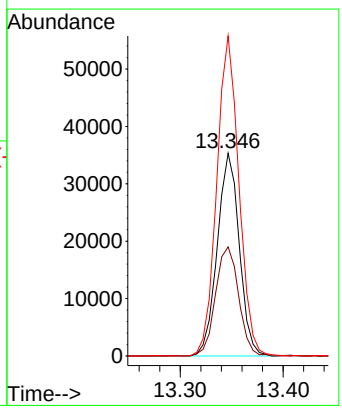




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022743.D
Acq: 19 Jun 2025 09:48

Tgt Ion:152 Resp: 52432

Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.9	86.7
150	158.8	0.0	349.6



Sample Results: **VY022743.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022743.D
Acq On : 19 Jun 2025 09:48
Operator : SY/MD
Sample : VY0619SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022743.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	50	58	60	rBV4	6216	12101	1.90%	0.391%
2	2.489	120	126	127	rBV6	5137	8770	1.38%	0.283%
3	4.610	462	474	487	rBV5	12948	40743	6.39%	1.317%
4	5.647	634	644	655	rVB4	6916	22424	3.52%	0.725%
5	7.634	959	970	976	rBV2	85122	204399	32.05%	6.607%
6	7.707	976	982	993	rVB	143857	322418	50.56%	10.422%
7	8.061	1033	1040	1052	rBV	75693	169702	26.61%	5.485%
8	8.616	1122	1131	1141	rBV	238101	463693	72.72%	14.989%
9	10.109	1368	1376	1384	rBV	371754	637651	100.00%	20.612%
10	11.414	1583	1590	1599	rBV	318614	516983	81.08%	16.711%
11	12.408	1745	1753	1764	rVB	197823	323850	50.79%	10.468%
12	13.346	1900	1907	1919	rVB	234098	361277	56.66%	11.678%
13	13.883	1990	1995	2001	rBV	6198	9640	1.51%	0.312%

Sum of corrected areas: 3093651

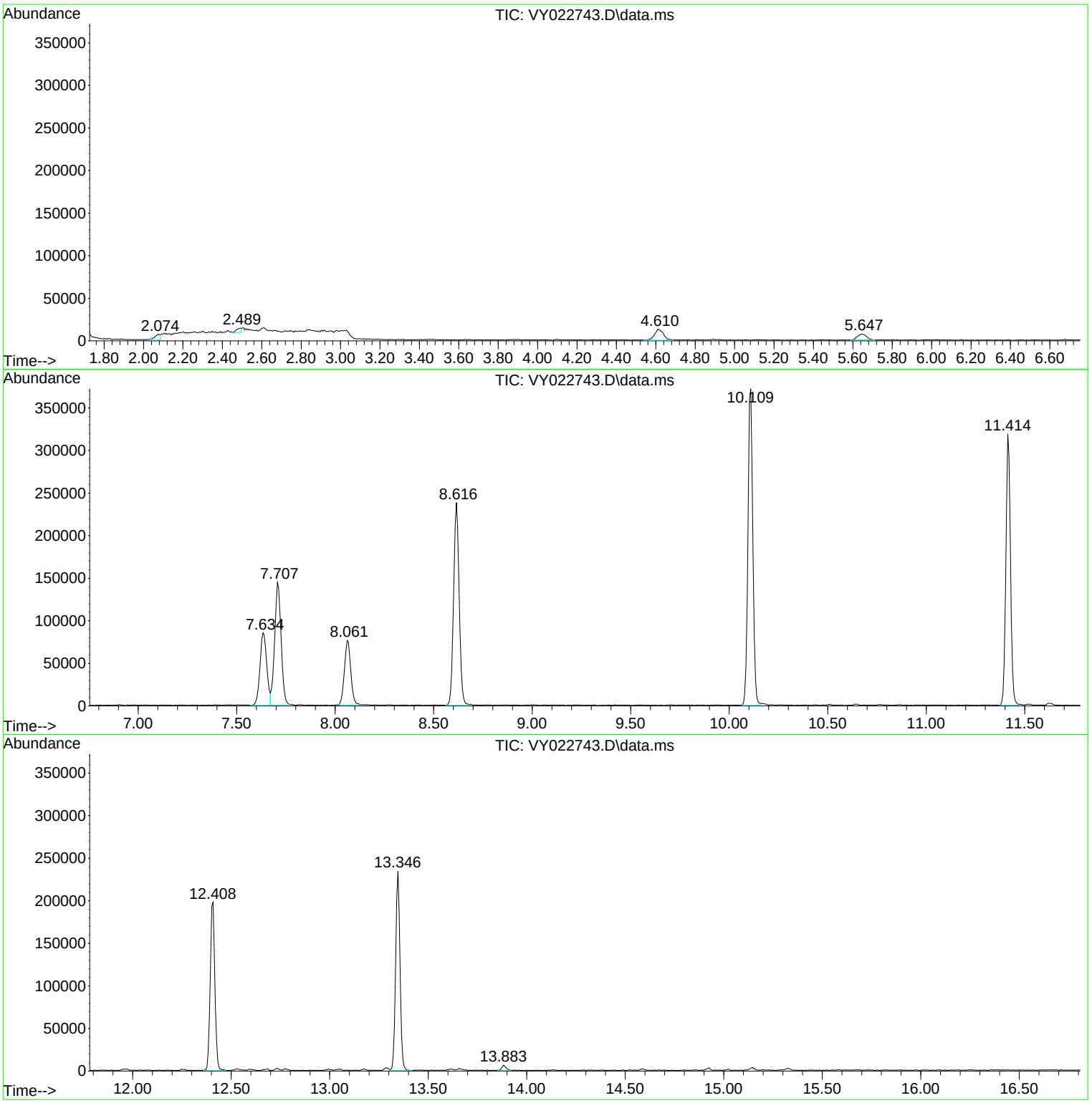
Sample Results: **VY022743.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022743.D
Acq On : 19 Jun 2025 09:48
Operator : SY/MD
Sample : VY0619SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022743.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022743.D
Acq On : 19 Jun 2025 09:48
Operator : SY/MD
Sample : VY0619SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY061925\
Data File : VY022743.D
Acq On : 19 Jun 2025 09:48
Operator : SY/MD
Sample : VY0619SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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: **VY022744.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:	Ave B	Date Received:	
Client Sample ID:	VY0619SBS01	SDG No.:	Q2364
Lab Sample ID:	VY0619SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022744.D	1		06/19/25 10:26	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.5		1.10	5.00	ug/Kg
74-87-3	Chloromethane	16.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		1.00	5.00	ug/Kg
67-64-1	Acetone	140		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	19.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.6		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.3		0.79	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	22.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.9		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.3		0.91	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	91.0		3.60	25.0	ug/Kg
108-88-3	Toluene	21.1		0.78	5.00	ug/Kg

Raw Data: **VY022744.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:	Ave B	Date Received:	
Client Sample ID:	VY0619SBS01	SDG No.:	Q2364
Lab Sample ID:	VY0619SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022744.D	1		06/19/25 10:26	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.8		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.8		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	40.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.3		0.82	5.00	ug/Kg
100-42-5	Styrene	20.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.3		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		70 (63) - 130 (155)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		70 (70) - 130 (134)	106%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		70 (17) - 130 (146)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	143000	7.713			
540-36-3	1,4-Difluorobenzene	244000	8.616			
3114-55-4	Chlorobenzene-d5	204000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	92100	13.347			

Raw Data: **VY022744.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:	Ave B	Date Received:	
Client Sample ID:	VY0619SBS01	SDG No.:	Q2364
Lab Sample ID:	VY0619SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022744.D	1		06/19/25 10:26	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022744.D
Acq On : 19 Jun 2025 10:26
Operator : SY/MD
Sample : VY0619SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 20 02:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	142585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	243559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	203825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	92139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	81729	51.249	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.500%			
35) Dibromofluoromethane	7.634	113	77017	52.978	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.960%			
50) Toluene-d8	10.109	98	301805	51.379	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.760%			
62) 4-Bromofluorobenzene	12.408	95	83870	47.921	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	26125	20.465	ug/l	100
3) Chloromethane	2.068	50	63040	16.716	ug/l	100
4) Vinyl Chloride	2.208	62	86717	19.821	ug/l	97
5) Bromomethane	2.592	94	84774	20.217	ug/l	99
6) Chloroethane	2.733	64	63781	21.240	ug/l	93
7) Trichlorofluoromethane	3.050	101	80267	21.612	ug/l	98
8) Diethyl Ether	3.458	74	17536	20.966	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	33924	21.687	ug/l	98
10) Methyl Iodide	4.007	142	32362	19.117	ug/l	98
11) Tert butyl alcohol	4.866	59	10545	92.580	ug/l	96
12) 1,1-Dichloroethene	3.787	96	31585	21.124	ug/l	96
13) Acrolein	3.653	56	7982	56.231	ug/l	97
14) Allyl chloride	4.379	41	47569	20.265	ug/l	99
15) Acrylonitrile	5.061	53	35424	100.001	ug/l	98
16) Acetone	3.879	43	44832	138.427	ug/l	98
17) Carbon Disulfide	4.104	76	94900	19.824	ug/l	100
18) Methyl Acetate	4.379	43	16705	17.418	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	82167	19.510	ug/l	97
20) Methylene Chloride	4.616	84	37910	20.607	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	35265	21.073	ug/l	98
22) Diisopropyl ether	6.025	45	109315	20.922	ug/l	99
23) Vinyl Acetate	5.964	43	299235	96.762	ug/l	100
24) 1,1-Dichloroethane	5.921	63	67905	22.061	ug/l	100
25) 2-Butanone	6.896	43	54465	116.587	ug/l	100
26) 2,2-Dichloropropane	6.884	77	59073	21.721	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	41038	21.216	ug/l	95
28) Bromochloromethane	7.244	49	29171	21.741	ug/l	98
29) Tetrahydrofuran	7.262	42	26781	88.884	ug/l	97
30) Chloroform	7.421	83	68158	22.356	ug/l	93
31) Cyclohexane	7.707	56	59110	19.289	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	59403	21.949	ug/l	99
36) 1,1-Dichloropropene	7.835	75	50191	21.272	ug/l	98
37) Ethyl Acetate	6.988	43	20815	19.782	ug/l	97
38) Carbon Tetrachloride	7.823	117	50646	20.924	ug/l	98
39) Methylcyclohexane	9.109	83	61074	19.262	ug/l	98
40) Benzene	8.085	78	149138	21.401	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022744.D
Acq On : 19 Jun 2025 10:26
Operator : SY/MD
Sample : VY0619SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 20 02:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	9524	15.496	ug/l	#	83
42) 1,2-Dichloroethane	8.158	62	39323	20.666	ug/l		99
43) Isopropyl Acetate	8.201	43	42050	18.504	ug/l		99
44) Trichloroethene	8.866	130	36919	21.676	ug/l		96
45) 1,2-Dichloropropane	9.140	63	36490	22.156	ug/l		94
46) Dibromomethane	9.231	93	19341	20.874	ug/l		98
47) Bromodichloromethane	9.427	83	51094	21.747	ug/l		99
48) Methyl methacrylate	9.219	41	17850	16.737	ug/l		94
49) 1,4-Dioxane	9.238	88	4378	398.833	ug/l		97
51) 4-Methyl-2-Pentanone	10.000	43	103086	90.987	ug/l		98
52) Toluene	10.170	92	92504	21.122	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	42958	19.515	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	53391	20.836	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	25058	21.209	ug/l		94
56) Ethyl methacrylate	10.439	69	31765	18.602	ug/l		99
57) 1,3-Dichloropropane	10.719	76	43297	20.676	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	78333	101.035	ug/l		100
59) 2-Hexanone	10.762	43	74693	98.575	ug/l		97
60) Dibromochloromethane	10.914	129	31411	20.920	ug/l		94
61) 1,2-Dibromoethane	11.012	107	21829	20.271	ug/l		95
64) Tetrachloroethene	10.646	164	38972	22.227	ug/l		96
65) Chlorobenzene	11.444	112	94016	20.844	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	32282	21.246	ug/l		99
67) Ethyl Benzene	11.518	91	172504	20.620	ug/l		99
68) m/p-Xylenes	11.627	106	128433	40.497	ug/l		99
69) o-Xylene	11.957	106	60376	20.305	ug/l		98
70) Styrene	11.969	104	99066	20.156	ug/l		98
71) Bromoform	12.133	173	15438	19.093	ug/l	#	98
73) Isopropylbenzene	12.255	105	156699	20.715	ug/l		98
74) N-amyl acetate	12.072	43	34200	17.918	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	25611	20.628	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	19200m	18.215	ug/l		
77) Bromobenzene	12.536	156	33522	21.000	ug/l		99
78) n-propylbenzene	12.597	91	193141	20.904	ug/l		100
79) 2-Chlorotoluene	12.682	91	102546	20.941	ug/l		96
80) 1,3,5-Trimethylbenzene	12.737	105	124242	20.920	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	8380	19.198	ug/l		95
82) 4-Chlorotoluene	12.780	91	103617	20.512	ug/l		99
83) tert-Butylbenzene	12.999	119	110702	20.769	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	122046	20.547	ug/l		98
85) sec-Butylbenzene	13.176	105	170732	20.914	ug/l		99
86) p-Isopropyltoluene	13.292	119	135968	20.206	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	67629	20.910	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	66707	21.265	ug/l		99
89) n-Butylbenzene	13.615	91	131483	20.595	ug/l		100
90) Hexachloroethane	13.877	117	27782	21.207	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	56747	20.665	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3553	19.656	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	30569	20.411	ug/l		96
94) Hexachlorobutadiene	15.023	225	17103	20.691	ug/l		95
95) Naphthalene	15.145	128	51859	18.044	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	25018	19.492	ug/l		97

Sample Results: **VY022744.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022744.D
Acq On : 19 Jun 2025 10:26
Operator : SY/MD
Sample : VY0619SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 20 02:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

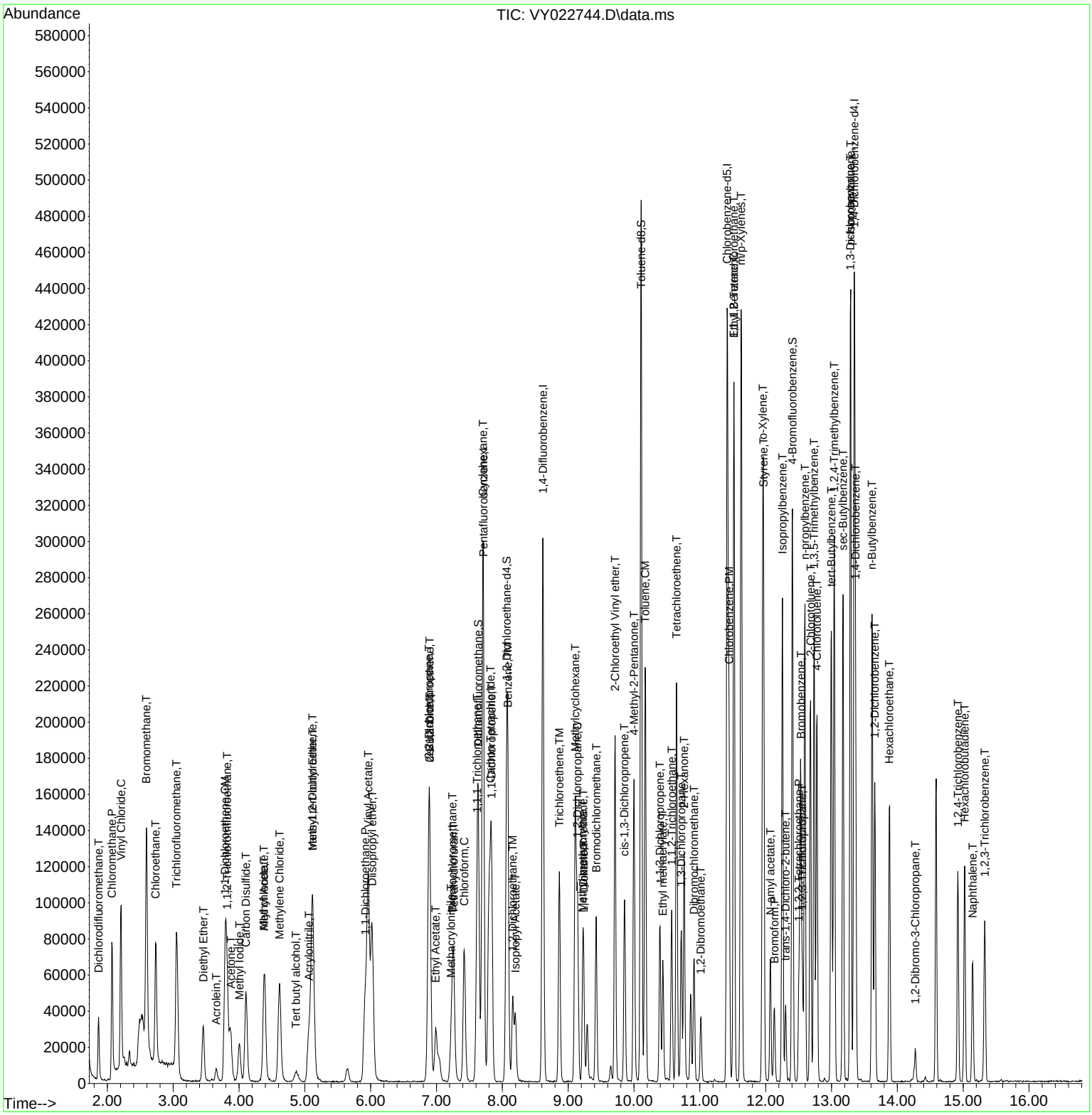
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022744.D
Acq On : 19 Jun 2025 10:26
Operator : SY/MD
Sample : VY0619SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 20 02:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025



Raw Data: **VY022745.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:	Ave B	Date Received:	
Client Sample ID:	VY0619SBSD01	SDG No.:	Q2364
Lab Sample ID:	VY0619SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022745.D	1		06/19/25 10:49	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.5		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.9		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	23.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.5		1.00	5.00	ug/Kg
67-64-1	Acetone	160		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.9		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	22.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	23.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.5		0.79	5.00	ug/Kg
78-93-3	2-Butanone	130		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	23.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	22.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	23.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	21.7		0.78	5.00	ug/Kg

Raw Data: **VY022745.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:	Ave B	Date Received:	
Client Sample ID:	VY0619SBSD01	SDG No.:	Q2364
Lab Sample ID:	VY0619SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022745.D	1		06/19/25 10:49	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	22.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	23.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	120		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	25.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	22.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.9		0.82	5.00	ug/Kg
100-42-5	Styrene	21.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	22.3		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	24.5		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	22.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		70 (70) - 130 (134)	108%	SPK: 50
2037-26-5	Toluene-d8	53.5		70 (74) - 130 (123)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (17) - 130 (146)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135000	7.707			
540-36-3	1,4-Difluorobenzene	230000	8.616			
3114-55-4	Chlorobenzene-d5	196000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	90200	13.346			

Raw Data: **VY022745.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:	Ave B	Date Received:	
Client Sample ID:	VY0619SBSD01	SDG No.:	Q2364
Lab Sample ID:	VY0619SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022745.D	1		06/19/25 10:49	VY061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022745.D
Acq On : 19 Jun 2025 10:49
Operator : SY/MD
Sample : VY0619SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 02:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	135425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	230490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	196060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	90185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83987	55.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.900%			
35) Dibromofluoromethane	7.640	113	73993	53.784	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.560%			
50) Toluene-d8	10.103	98	297322	53.486	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.401	95	85284	51.492	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	26096	21.523	ug/l	95
3) Chloromethane	2.068	50	65019	18.152	ug/l	98
4) Vinyl Chloride	2.202	62	88253	21.239	ug/l	98
5) Bromomethane	2.592	94	83337	20.925	ug/l	91
6) Chloroethane	2.732	64	65358	22.916	ug/l	96
7) Trichlorofluoromethane	3.050	101	83499	23.670	ug/l	99
8) Diethyl Ether	3.452	74	17678	22.253	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	34081	22.939	ug/l	99
10) Methyl Iodide	4.001	142	32515	20.223	ug/l	97
11) Tert butyl alcohol	4.860	59	12104	111.886	ug/l	96
12) 1,1-Dichloroethene	3.787	96	30544	21.508	ug/l	98
13) Acrolein	3.653	56	8808	65.331	ug/l	98
14) Allyl chloride	4.379	41	47032	21.096	ug/l	98
15) Acrylonitrile	5.061	53	38910	115.649	ug/l	98
16) Acetone	3.866	43	47919	155.781	ug/l	98
17) Carbon Disulfide	4.104	76	92467	20.337	ug/l	96
18) Methyl Acetate	4.391	43	19939	21.889	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	87026	21.756	ug/l	96
20) Methylene Chloride	4.610	84	38557	22.067	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	35720	22.473	ug/l	91
22) Diisopropyl ether	6.018	45	109899	22.146	ug/l	98
23) Vinyl Acetate	5.964	43	320488	109.114	ug/l	98
24) 1,1-Dichloroethane	5.915	63	69556	23.792	ug/l	98
25) 2-Butanone	6.890	43	59102	133.202	ug/l	100
26) 2,2-Dichloropropane	6.878	77	57336	22.197	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	40864	22.243	ug/l	96
28) Bromochloromethane	7.244	49	28957	22.722	ug/l	96
29) Tetrahydrofuran	7.268	42	31900	111.471	ug/l	99
30) Chloroform	7.421	83	66956	23.123	ug/l	95
31) Cyclohexane	7.701	56	59613	20.482	ug/l	87
32) 1,1,1-Trichloroethane	7.616	97	57994	22.561	ug/l	97
36) 1,1-Dichloropropene	7.835	75	48032	21.512	ug/l	99
37) Ethyl Acetate	6.982	43	24241	24.345	ug/l #	78
38) Carbon Tetrachloride	7.817	117	49727	21.709	ug/l	94
39) Methylcyclohexane	9.109	83	59995	19.994	ug/l	99
40) Benzene	8.079	78	148616	22.535	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022745.D
Acq On : 19 Jun 2025 10:49
Operator : SY/MD
Sample : VY0619SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 02:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	11179	19.221	ug/l	#	67
42) 1,2-Dichloroethane	8.158	62	41080	22.813	ug/l		100
43) Isopropyl Acetate	8.201	43	46062	21.419	ug/l	#	86
44) Trichloroethene	8.866	130	36262	22.498	ug/l		91
45) 1,2-Dichloropropane	9.140	63	36412	23.362	ug/l		99
46) Dibromomethane	9.231	93	19946	22.747	ug/l		97
47) Bromodichloromethane	9.420	83	50934	22.909	ug/l		98
48) Methyl methacrylate	9.219	41	20272	20.085	ug/l		90
49) 1,4-Dioxane	9.231	88	4577	440.604	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	120225	112.131	ug/l		98
52) Toluene	10.170	92	90080	21.735	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	45852	22.010	ug/l		93
54) cis-1,3-Dichloropropene	9.853	75	54401	22.433	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	26082	23.327	ug/l		97
56) Ethyl methacrylate	10.438	69	33531	20.749	ug/l		96
57) 1,3-Dichloropropane	10.713	76	45759	23.091	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	85409	116.408	ug/l		100
59) 2-Hexanone	10.762	43	85093	118.668	ug/l		99
60) Dibromochloromethane	10.914	129	31860	22.422	ug/l		100
61) 1,2-Dibromoethane	11.011	107	22860	22.432	ug/l		99
64) Tetrachloroethene	10.646	164	43094	25.552	ug/l		97
65) Chlorobenzene	11.438	112	96594	22.264	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	31846	21.789	ug/l		98
67) Ethyl Benzene	11.517	91	169161	21.021	ug/l		99
68) m/p-Xylenes	11.627	106	127883	41.921	ug/l		99
69) o-Xylene	11.950	106	59766	20.896	ug/l		99
70) Styrene	11.969	104	100236	21.202	ug/l		98
71) Bromoform	12.127	173	17537	22.548	ug/l	#	97
73) Isopropylbenzene	12.255	105	156255	21.104	ug/l		99
74) N-amyl acetate	12.066	43	39501	21.144	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	26508	21.813	ug/l		98
76) 1,2,3-Trichloropropane	12.548	75	20149m	19.529	ug/l		
77) Bromobenzene	12.530	156	33851	21.665	ug/l		97
78) n-propylbenzene	12.590	91	193686	21.417	ug/l		100
79) 2-Chlorotoluene	12.676	91	105023	21.912	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	124094	21.348	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	8732	20.438	ug/l		96
82) 4-Chlorotoluene	12.773	91	105245	21.285	ug/l		99
83) tert-Butylbenzene	12.993	119	110529	21.185	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	121217	20.849	ug/l		99
85) sec-Butylbenzene	13.170	105	169468	21.209	ug/l		100
86) p-Isopropyltoluene	13.292	119	136555	20.733	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	68812	21.737	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	68515	22.314	ug/l		99
89) n-Butylbenzene	13.615	91	130440	20.874	ug/l		99
90) Hexachloroethane	13.877	117	28758	22.428	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	59871	22.275	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4327	24.456	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	31089	21.208	ug/l		98
94) Hexachlorobutadiene	15.023	225	17487	21.613	ug/l		99
95) Naphthalene	15.139	128	59033	20.985	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	28183	22.433	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022745.D
Acq On : 19 Jun 2025 10:49
Operator : SY/MD
Sample : VY0619SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 02:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

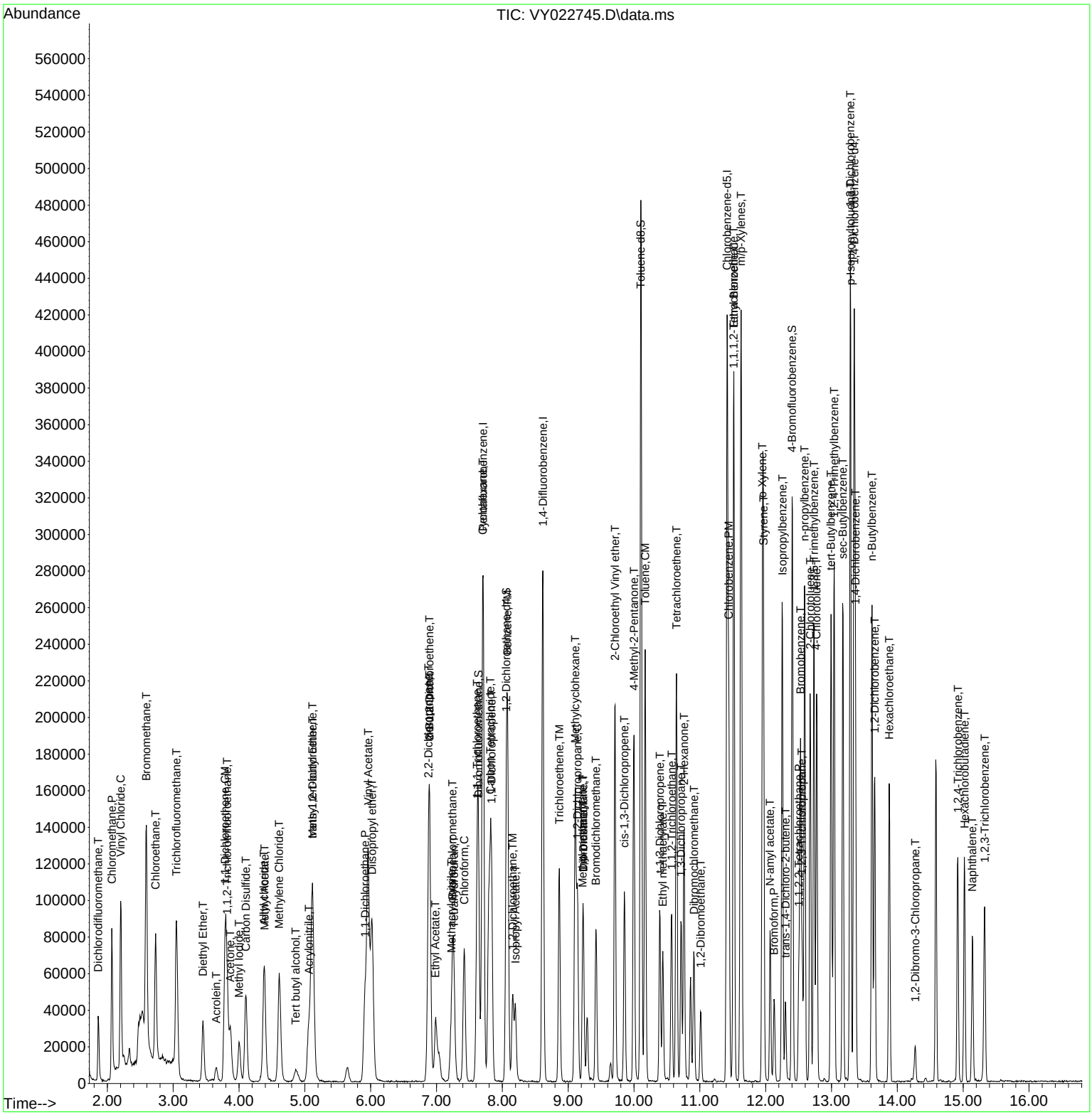
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
Data File : VY022745.D
Acq On : 19 Jun 2025 10:49
Operator : SY/MD
Sample : VY0619SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 02:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/21/2025
Supervised By :Mahesh Dadoda 06/21/2025



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

Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022491.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	1,4-Dioxane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	Ethyl Acetate	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Dibromomethane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Methacrylonitrile	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC020	VY022493.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:00 AM	MMDadoda	6/3/2025 2:38:17 PM	Peak Integrated by Software
VSTDICCC050	VY022494.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:05 AM	MMDadoda	6/3/2025 2:38:19 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	Methacrylonitrile	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC150	VY022496.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:09 AM	MMDadoda	6/3/2025 2:38:22 PM	Peak Integrated by Software
VSTDICV050	VY022498.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:42 AM	MMDadoda	6/3/2025 2:38:25 PM	Peak Integrated by Software
VSTDCCC050	VY022509.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:27:00 AM	MMDadoda	6/3/2025 2:38:29 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy060225	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:	vy061925	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022742.D	1,2,3-Trichloropropane	sam	6/21/2025 12:08:30 AM	MMdadoda	6/21/2025 12:19:48 AM	Peak Integrated by Software
VY0619SBS01	VY022744.D	1,2,3-Trichloropropane	sam	6/21/2025 12:08:34 AM	MMdadoda	6/21/2025 12:19:52 AM	Peak Integrated by Software
VY0619SBSD01	VY022745.D	1,2,3-Trichloropropane	sam	6/21/2025 12:08:39 AM	MMdadoda	6/21/2025 12:20:00 AM	Peak Integrated by Software
VSTDCCC050	VY022757.D	1,2,3-Trichloropropane	sam	6/21/2025 12:08:43 AM	MMdadoda	6/21/2025 12:20:06 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022488.D	02 Jun 2025 08:31	SY/MD	Ok
2	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	SY/MD	Not Ok
3	VY0602SBL01	VY022490.D	02 Jun 2025 10:38	SY/MD	Not Ok
4	VSTDICC005	VY022491.D	02 Jun 2025 11:46	SY/MD	Ok,M
5	VSTDICC010	VY022492.D	02 Jun 2025 12:09	SY/MD	Ok,M
6	VSTDICC020	VY022493.D	02 Jun 2025 12:32	SY/MD	Ok,M
7	VSTDICCC050	VY022494.D	02 Jun 2025 12:54	SY/MD	Ok,M
8	VSTDICC100	VY022495.D	02 Jun 2025 13:17	SY/MD	Ok,M
9	VSTDICC150	VY022496.D	02 Jun 2025 13:39	SY/MD	Ok,M
10	VIBLK	VY022497.D	02 Jun 2025 14:03	SY/MD	Ok
11	VSTDICV050	VY022498.D	02 Jun 2025 14:59	SY/MD	Ok,M
12	VY0602SBL02	VY022499.D	02 Jun 2025 16:00	SY/MD	Ok
13	VY0602SBS01	VY022500.D	02 Jun 2025 16:24	SY/MD	Ok,M
14	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47	SY/MD	Ok,M
15	Q2160-02	VY022502.D	02 Jun 2025 17:10	SY/MD	Ok
16	Q2152-01	VY022503.D	02 Jun 2025 17:34	SY/MD	Not Ok
17	Q2153-01RE	VY022504.D	02 Jun 2025 17:57	SY/MD	Confirms
18	Q2147-02	VY022505.D	02 Jun 2025 18:21	SY/MD	Not Ok
19	Q2150-02	VY022506.D	02 Jun 2025 18:44	SY/MD	Ok
20	Q2150-05RE	VY022507.D	02 Jun 2025 19:08	SY/MD	Confirms
21	Q2161-01	VY022508.D	02 Jun 2025 19:31	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022509.D	02 Jun 2025 19:54	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY061925

Review By	Semsettin Yesilyurt	Review On	6/21/2025 12:09:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	6/21/2025 12:20:20 AM				
SubDirectory	VY061925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134418
Initial Calibration Stds	
CCC	VP134419,VP134420
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022741.D	19 Jun 2025 08:38	SY/MD	Ok
2	VSTDCCC050	VY022742.D	19 Jun 2025 09:10	SY/MD	Ok,M
3	VY0619SBL01	VY022743.D	19 Jun 2025 09:48	SY/MD	Ok
4	VY0619SBS01	VY022744.D	19 Jun 2025 10:26	SY/MD	Ok,M
5	VY0619SBSD01	VY022745.D	19 Jun 2025 10:49	SY/MD	Ok,M
6	Q2358-01	VY022746.D	19 Jun 2025 11:28	SY/MD	Ok
7	Q2357-01RE	VY022747.D	19 Jun 2025 11:51	SY/MD	Confirms
8	Q2296-23	VY022748.D	19 Jun 2025 12:14	SY/MD	Ok
9	VIBLK	VY022749.D	19 Jun 2025 12:38	SY/MD	Ok
10	Q2362-03	VY022750.D	19 Jun 2025 13:01	SY/MD	Ok
11	Q2362-07	VY022751.D	19 Jun 2025 13:25	SY/MD	Ok
12	Q2364-02	VY022752.D	19 Jun 2025 13:48	SY/MD	Ok
13	Q2364-04	VY022753.D	19 Jun 2025 14:11	SY/MD	Ok
14	Q2367-03	VY022754.D	19 Jun 2025 14:49	SY/MD	Ok
15	Q2367-07	VY022755.D	19 Jun 2025 15:12	SY/MD	Ok
16	VIBLK	VY022756.D	19 Jun 2025 15:36	SY/MD	Ok
17	VSTDCCC050	VY022757.D	19 Jun 2025 15:59	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 # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022488.D	02 Jun 2025 08:31		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	Need ICAL	SY/MD	Not Ok
3	VY0602SBL01	VY0602SBL01	VY022490.D	02 Jun 2025 10:38		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VY022491.D	02 Jun 2025 11:46		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VY022492.D	02 Jun 2025 12:09		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VY022493.D	02 Jun 2025 12:32		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VY022494.D	02 Jun 2025 12:54		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VY022495.D	02 Jun 2025 13:17		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VY022496.D	02 Jun 2025 13:39		SY/MD	Ok,M
10	VIBLK	VIBLK	VY022497.D	02 Jun 2025 14:03		SY/MD	Ok
11	VSTDICV050	ICVVY060225	VY022498.D	02 Jun 2025 14:59	Icv Fail For DOD For Com.# 18	SY/MD	Ok,M
12	VY0602SBL02	VY0602SBL02	VY022499.D	02 Jun 2025 16:00		SY/MD	Ok
13	VY0602SBS01	VY0602SBS01	VY022500.D	02 Jun 2025 16:24		SY/MD	Ok,M
14	VY0602SBSD01	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47		SY/MD	Ok,M
15	Q2160-02	TP04-MHG-VOC	VY022502.D	02 Jun 2025 17:10	vial A	SY/MD	Ok
16	Q2152-01	OK-02-05292025	VY022503.D	02 Jun 2025 17:34	Not Purged,vial B	SY/MD	Not Ok
17	Q2153-01RE	TR-04-0592025RE	VY022504.D	02 Jun 2025 17:57	Surrogate Fail;Internal Standard Fail, vial B	SY/MD	Confirms

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2147-02	VOC	VY022505.D	02 Jun 2025 18:21	Not purge,vial B	SY/MD	Not Ok
19	Q2150-02	TP-42	VY022506.D	02 Jun 2025 18:44	vial B	SY/MD	Ok
20	Q2150-05RE	TP-47RE	VY022507.D	02 Jun 2025 19:08	Internal Standard Fail,vial B	SY/MD	Confirms
21	Q2161-01	B27-SOIL-SAMPLE	VY022508.D	02 Jun 2025 19:31	vial-B,Internal Standard Fail; Surrogate Fail	SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY022509.D	02 Jun 2025 19:54		SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY061925

Review By	Semsettin Yesilyurt	Review On	6/21/2025 12:09:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/21/2025 12:20:20 AM		
SubDirectory	VY061925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134418
Initial Calibration Stds	
CCC	VP134419,VP134420
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022741.D	19 Jun 2025 08:38		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022742.D	19 Jun 2025 09:10		SY/MD	Ok,M
3	VY0619SBL01	VY0619SBL01	VY022743.D	19 Jun 2025 09:48		SY/MD	Ok
4	VY0619SBS01	VY0619SBS01	VY022744.D	19 Jun 2025 10:26		SY/MD	Ok,M
5	VY0619SBSD01	VY0619SBSD01	VY022745.D	19 Jun 2025 10:49		SY/MD	Ok,M
6	Q2358-01	NB-07-06182025	VY022746.D	19 Jun 2025 11:28	vial-B Internal standard fail;Surrogate fail	SY/MD	Ok
7	Q2357-01RE	TR-06-06182025RE	VY022747.D	19 Jun 2025 11:51	vial-B Internal standard fail;Surrogate fail	SY/MD	Confirms
8	Q2296-23	WC-6-VOC	VY022748.D	19 Jun 2025 12:14	vial-A	SY/MD	Ok
9	VIBLK	VIBLK	VY022749.D	19 Jun 2025 12:38		SY/MD	Ok
10	Q2362-03	TP-11-VOC	VY022750.D	19 Jun 2025 13:01	vial-A	SY/MD	Ok
11	Q2362-07	EP-6-VOC	VY022751.D	19 Jun 2025 13:25	vial-A	SY/MD	Ok
12	Q2364-02	GAV1B	VY022752.D	19 Jun 2025 13:48	vial-A	SY/MD	Ok
13	Q2364-04	GAV2B	VY022753.D	19 Jun 2025 14:11	vial-A	SY/MD	Ok
14	Q2367-03	EP-4-VOC	VY022754.D	19 Jun 2025 14:49	vial-A	SY/MD	Ok
15	Q2367-07	EP-5-VOV	VY022755.D	19 Jun 2025 15:12	vial-A	SY/MD	Ok
16	VIBLK	VIBLK	VY022756.D	19 Jun 2025 15:36		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY022757.D	19 Jun 2025 15:59		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/20/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 16:50
In Date: 06/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 06/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136203

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
Q2362-01	TP-11	1	1.15	10.82	11.97	10.9	90.1	
Q2362-02	TP-11-EPH	2	1.18	9.88	11.06	9.94	88.7	
Q2362-03	TP-11-VOC	3	1.19	10.70	11.89	10.74	89.3	
Q2362-04	TP-11	4	1.15	10.82	11.97	10.9	90.1	
Q2362-05	EP-6	5	1.16	10.57	11.73	10.57	89.0	
Q2362-06	EP-6-EPH	6	1.16	10.34	11.5	10.28	88.2	
Q2362-07	EP-6-VOC	7	1.18	10.32	11.5	10.38	89.1	
Q2363-01	GCAP1	8	1.19	9.95	11.14	9.7	85.5	
Q2364-01	GAV1A	9	1.15	10.10	11.25	9.21	79.8	
Q2364-02	GAV1B	10	1.18	10.78	11.96	10.4	85.5	
Q2364-03	GAV2A	11	1.19	10.06	11.25	9.47	82.3	
Q2364-04	GAV2B	12	1.19	10.53	11.72	9.26	76.6	
Q2365-01	BU-703-COMP-01	13	1.15	10.74	11.89	10.68	88.7	
Q2365-02	BU-703-COMP-02	14	1.14	10.60	11.74	9.59	79.7	
Q2365-03	BU-703-COMP-03	15	1.17	10.22	11.39	9.59	82.4	
Q2365-04	BU-703-COMP-04	16	1.15	10.58	11.73	10.55	88.8	
Q2365-05	BU-703-COMP-05	17	1.13	10.19	11.32	8.67	74.0	
Q2365-06	BU-703-COMP-06	18	1.15	10.59	11.74	10.11	84.6	
Q2365-07	BU-703-COMP-07	19	1.13	10.28	11.41	10.02	86.5	
Q2365-08	BU-703-COMP-08	20	1.13	10.20	11.33	10.28	89.7	
Q2365-09	BU-703-COMP-09	21	1.14	10.54	11.68	9.73	81.5	
Q2367-01	EP-4	22	1.18	10.29	11.47	10.58	91.4	
Q2367-02	EP-4-EPH	23	1.19	10.01	11.2	10.24	90.4	
Q2367-03	EP-4-VOC	24	1.13	9.84	10.97	10.03	90.4	
Q2367-05	EP-5	25	1.17	10.39	11.56	10.44	89.2	
Q2367-06	EP-5-EPH	26	1.18	10.54	11.72	10.65	89.8	
Q2367-07	EP-5-VOV	27	1.15	10.45	11.6	10.56	90.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/20/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 16:50
In Date: 06/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 06/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136203

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

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

WORKLIST(Hardcopy Internal Chain)

WM 136203

WorkList Name : %1-061925 **WorkList ID :** 190269 **Department :** Wet-Chemistry **Date :** 06-19-2025 08:09:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2362-01	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-02	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-03	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-04	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-05	EP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-06	EP-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-07	EP-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2363-01	GCAP1	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/18/2025	Chemtech -SO
Q2364-01	GAV1A	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/18/2025	Chemtech -SO
Q2364-02	GAV1B	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/18/2025	Chemtech -SO
Q2364-03	GAV2A	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/18/2025	Chemtech -SO
Q2364-04	GAV2B	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/18/2025	Chemtech -SO
Q2365-01	BU-703-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-02	BU-703-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-03	BU-703-COMP-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-04	BU-703-COMP-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-05	BU-703-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-06	BU-703-COMP-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-07	BU-703-COMP-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-08	BU-703-COMP-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-09	BU-703-COMP-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO

Date/Time 06.19.25 13:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 06.19.25 17:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 136203

WorkList Name : %1-061925 **WorkList ID :** 190269 **Department :** Wet-Chemistry **Date :** 06-19-2025 08:09:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2367-01	EP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO
Q2367-02	EP-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO
Q2367-03	EP-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO
Q2367-05	EP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO
Q2367-06	EP-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO
Q2367-07	EP-5-VOV	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO

Date/Time 06-19-25 13:00
Raw Sample Received by: JG WOC
Raw Sample Relinquished by: [signature]

Date/Time 06-19-25 17:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: JG WOC

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. Q23604
COC Number 2047504

CLIENT INFORMATION

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

CLIENT PROJECT INFORMATION

PROJECT NAME: Ave B
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: TAL Metals 2: PCBs 3: TCL VOCs 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	PRESERVATIVES 1 (Ice)	2 (Ice)	3 (Ferm)	4	5	6	7	8	9	COMMENTS
1.	GAV1A	Soil		X	6/18/25	1145	1	X	X								
2.	GAV1B	"		"		1155	4 5	X	X	X							
3.	GAV2A	"		"		1230	1	X	X								
4.	GAV2B	Soil		X	6/18/25	1240	4 5	X	X	X							
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	6/18/25 1540	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 26.5 °C
Comments: 1 Cooler #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2364 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 6/18/2025 4:07:57 PM
Project Name : Ave B
Receive DateTime : 6/18/2025 3:40:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2364-02	GAV1B	Solid	06/18/2025	11:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2364-04	GAV1B 2	Solid	06/18/2025	12:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 6/19/25 0740

Received By :
Date / Time : 06/19/25 7:40
Storage Area : VOA Refridgerator Room

Rgh 6
D2 2