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:	Q2580	**OrderDate:**	7/10/2025 3:40:00 PM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Austin Farmerie	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2580-01	**WC-URBAN-FILL-B1**	**SOIL**			**07/10/25**			**07/10/25**
			VOC-TCLVOA-10	8260D			07/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2580

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

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

SDG No.: Q2580

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2580-01	WC-URBAN-FILL-B1	1,2-Dichloroethane-d4	50	50.0	100		70 (63)	130 (155)
		Dibromofluoromethane	50	45.7	91		70 (70)	130 (134)
		Toluene-d8	50	45.4	91		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.0	100		70 (17)	130 (146)
VW0711SBL01	VW0711SBL01	1,2-Dichloroethane-d4	50	55.6	111		70 (63)	130 (155)
		Dibromofluoromethane	50	48.6	97		70 (70)	130 (134)
		Toluene-d8	50	46.9	94		70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.6	91		70 (17)	130 (146)
VW0711SBS01	VW0711SBS01	1,2-Dichloroethane-d4	50	53.0	106		70 (63)	130 (155)
		Dibromofluoromethane	50	52.1	104		70 (70)	130 (134)
		Toluene-d8	50	52.3	105		70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.7	107		70 (17)	130 (146)
VW0711SBSD0	VW0711SBSD01	1,2-Dichloroethane-d4	50	54.5	109		70 (63)	130 (155)
		Dibromofluoromethane	50	50.2	100		70 (70)	130 (134)
		Toluene-d8	50	51.0	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.0	104		70 (17)	130 (146)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2580 **Analytical Method:** SW8260D

Client: ENTACT **Datafile :** VW031819.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0711SBS01	Dichlorodifluoromethane	20	20.9	ug/Kg	104			40 (64)	160 (136)	
	Chloromethane	20	21.1	ug/Kg	106			40 (52)	160 (151)	
	Vinyl chloride	20	21.5	ug/Kg	108			70 (56)	130 (148)	
	Bromomethane	20	20.4	ug/Kg	102			40 (58)	160 (141)	
	Chloroethane	20	20.3	ug/Kg	102			40 (69)	160 (130)	
	Trichlorofluoromethane	20	16.9	ug/Kg	85			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	22.4	ug/Kg	112			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.7	ug/Kg	109			70 (79)	130 (121)	
	Acetone	100	96.9	ug/Kg	97			40 (40)	160 (171)	
	Carbon disulfide	20	19.6	ug/Kg	98			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106			70 (77)	130 (129)	
	Methyl Acetate	20	19.6	ug/Kg	98			70 (69)	130 (149)	
	Methylene Chloride	20	30.8	ug/Kg	154		*	70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	21.5	ug/Kg	108			70 (80)	130 (123)	
	1,1-Dichloroethane	20	22.5	ug/Kg	113			70 (82)	130 (123)	
	Cyclohexane	20	21.5	ug/Kg	108			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.8	ug/Kg	109			70 (82)	130 (123)	
	Bromochloromethane	20	23.2	ug/Kg	116			70 (80)	130 (127)	
	Chloroform	20	22.7	ug/Kg	114			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Methylcyclohexane	20	20.0	ug/Kg	100			70 (77)	130 (123)	
	Benzene	20	22.0	ug/Kg	110			70 (84)	130 (121)	
	1,2-Dichloroethane	20	21.3	ug/Kg	106			70 (81)	130 (126)	
	Trichloroethene	20	20.8	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.8	ug/Kg	109			70 (83)	130 (122)	
	Bromodichloromethane	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	21.5	ug/Kg	108			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	21.0	ug/Kg	105			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.3	ug/Kg	102			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.0	ug/Kg	105			70 (80)	130 (125)	
	Tetrachloroethene	20	20.0	ug/Kg	100			70 (83)	130 (125)	
	Chlorobenzene	20	20.9	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	21.2	ug/Kg	106			70 (82)	130 (124)	
	m/p-Xylenes	40	42.0	ug/Kg	105			70 (83)	130 (124)	
	o-Xylene	20	21.6	ug/Kg	108			70 (83)	130 (123)	
	Styrene	20	21.9	ug/Kg	110			70 (82)	130 (124)	
	Bromoform	20	18.3	ug/Kg	92			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2580 **Analytical Method:** SW8260D

Client: ENTACT **Datafile :** VW031819.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0711SBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	17.6	ug/Kg	88			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.3	ug/Kg	92			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2580 **Analytical Method:** SW8260D

Client: ENTACT **Datafile :** VW031820.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW0711SBSD01	Dichlorodifluoromethane	20	19.5	ug/Kg	98	6		40 (64)	160 (136)	30 (20)
	Chloromethane	20	20.4	ug/Kg	102	4		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	20.1	ug/Kg	101	7		70 (56)	130 (148)	30 (20)
	Bromomethane	20	19.8	ug/Kg	99	3		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.5	ug/Kg	103	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	17.7	ug/Kg	89	5		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/Kg	97	14		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.6	ug/Kg	103	6		70 (79)	130 (121)	30 (20)
	Acetone	100	84.0	ug/Kg	84	14		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	18.1	ug/Kg	91	7		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	22.6	ug/Kg	113	6		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	25.0	ug/Kg	125	24		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	26.9	ug/Kg	135	13	*	70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	21.2	ug/Kg	106	2		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.9	ug/Kg	110	3		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.4	ug/Kg	97	11		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	10		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	18.7	ug/Kg	94	5		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	22.6	ug/Kg	113	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	23.5	ug/Kg	117	1		70 (80)	130 (127)	30 (20)
	Chloroform	20	22.8	ug/Kg	114	0		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103	3		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	18.9	ug/Kg	95	5		70 (77)	130 (123)	30 (20)
	Benzene	20	21.1	ug/Kg	106	4		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.5	ug/Kg	108	2		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.8	ug/Kg	99	5		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.2	ug/Kg	106	3		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.4	ug/Kg	107	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		40 (70)	160 (135)	30 (20)
	Toluene	20	20.9	ug/Kg	104	4		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102	3		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.2	ug/Kg	111	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.1	ug/Kg	101	1		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	21.6	ug/Kg	108	3		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.8	ug/Kg	94	6		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.7	ug/Kg	104	0		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.4	ug/Kg	102	4		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.1	ug/Kg	100	5		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.7	ug/Kg	104	4		70 (83)	130 (123)	30 (20)
	Styrene	20	20.9	ug/Kg	104	6		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.1	ug/Kg	96	4		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.6	ug/Kg	98	3		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.9	ug/Kg	104	4		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	1		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	19.9	ug/Kg	100	1		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102	1		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2580 **Analytical Method:** SW8260D

Client: ENTACT **Datafile :** VW031820.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW0711SBSD01	1,2-Dibromo-3-Chloropropane	20	19.7	ug/Kg	99	8		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.6	ug/Kg	98	11		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	19.3	ug/Kg	97	5		70 (70)	130 (137)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW0711SBL01

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG NO.: Q2580

Lab File ID: VW031818.D Lab Sample ID: VW0711SBL01

Date Analyzed: 07/11/2025 Time Analyzed: 14:18

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

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0711SBS01	VW0711SBS01	VW031819.D	07/11/2025
VW0711SBSD01	VW0711SBSD01	VW031820.D	07/11/2025
WC-URBAN-FILL-B1	Q2580-01	VW031831.D	07/11/2025

COMMENTS:

Raw Data: **VW031728.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ENTA05
Lab Code: ACE
SDG NO.: Q2580
Lab File ID: VW031728.D
BFB Injection Date: 06/30/2025
Instrument ID: MSVOA_W
BFB Injection Time: 08:56
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	5.4 (8.2) 1
176	95.0 - 101.0% of mass 174	64.8 (99.2) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW031729.D	06/30/2025	09:54
VSTDICC010	VSTDICC010	VW031730.D	06/30/2025	10:15
VSTDICC020	VSTDICC020	VW031731.D	06/30/2025	10:58
VSTDICCC050	VSTDICCC050	VW031732.D	06/30/2025	11:21
VSTDICC100	VSTDICC100	VW031733.D	06/30/2025	12:34
VSTDICC150	VSTDICC150	VW031734.D	06/30/2025	12:55

Raw Data: **VW031816.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ENTA05
Lab Code: ACE
SDG NO.: Q2580
Lab File ID: VW031816.D
BFB Injection Date: 07/11/2025
Instrument ID: MSVOA_W
BFB Injection Time: 11:20
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	18.7
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	61.3
175	5.0 - 9.0% of mass 174	4.8 (7.8) 1
176	95.0 - 101.0% of mass 174	59.5 (97) 1
177	5.0 - 9.0% of mass 176	3.5 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW031817.D	07/11/2025	11:50
VW0711SBL01	VW0711SBL01	VW031818.D	07/11/2025	14:18
VW0711SBS01	VW0711SBS01	VW031819.D	07/11/2025	14:48
VW0711SBSD01	VW0711SBSD01	VW031820.D	07/11/2025	15:10
WC-URBAN-FILL-B1	Q2580-01	VW031831.D	07/11/2025	19:28

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG NO.: Q2580

Lab File ID: VW031817.D Date Analyzed: 07/11/2025

Instrument ID: MSVOA_W Time Analyzed: 11:50

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	198972	7.96	375996	8.85	344776	11.64
UPPER LIMIT	397944	8.459	751992	9.349	689552	12.135
LOWER LIMIT	99486	7.459	187998	8.349	172388	11.135
EPA SAMPLE NO.						
WC-URBAN-FILL-B1	194384	7.97	385504	8.86	362157	11.64
VW0711SBL01	167609	7.96	357632	8.86	345815	11.63
VW0711SBS01	205659	7.97	389380	8.85	347490	11.63
VW0711SBSD01	203412	7.97	392643	8.86	357866	11.63

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: Alliance Contract: ENTA05

Lab Code: ACE SDG NO.: Q2580

Lab File ID: VW031817.D Date Analyzed: 07/11/2025

Instrument ID: MSVOA_W Time Analyzed: 11:50

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

	IS4 AREA #	RT #				
12 HOUR STD	160985	13.556				
UPPER LIMIT	321970	14.056				
LOWER LIMIT	80492.5	13.056				
EPA SAMPLE NO.						
WC-URBAN-FILL-B1	168181	13.56				
VW0711SBL01	162450	13.56				
VW0711SBS01	173515	13.56				
VW0711SBSD01	171573	13.56				

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: **VW031831.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B1	SDG No.:	Q2580
Lab Sample ID:	Q2580-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.8
Sample Wt/Vol:	5.5 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:	Date Analyzed	Prep Batch ID
VW031831.D	1	07/11/25 19:28	VW071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0011	U	0.0011	0.0048	mg/Kg
74-87-3	Chloromethane	0.0011	U	0.0011	0.0048	mg/Kg
75-01-4	Vinyl Chloride	0.00077	U	0.00077	0.0048	mg/Kg
74-83-9	Bromomethane	0.0010	U	0.0010	0.0048	mg/Kg
75-00-3	Chloroethane	0.0012	U	0.0012	0.0048	mg/Kg
75-69-4	Trichlorofluoromethane	0.0012	U	0.0012	0.0048	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0010	U	0.0010	0.0048	mg/Kg
75-35-4	1,1-Dichloroethene	0.00097	U	0.00097	0.0048	mg/Kg
67-64-1	Acetone	0.0046	U	0.0046	0.024	mg/Kg
75-15-0	Carbon Disulfide	0.0010	U	0.0010	0.0048	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00071	U	0.00071	0.0048	mg/Kg
79-20-9	Methyl Acetate	0.0015	U	0.0015	0.0048	mg/Kg
75-09-2	Methylene Chloride	0.0034	UQ	0.0034	0.0097	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00083	U	0.00083	0.0048	mg/Kg
75-34-3	1,1-Dichloroethane	0.00078	U	0.00078	0.0048	mg/Kg
110-82-7	Cyclohexane	0.00077	U	0.00077	0.0048	mg/Kg
78-93-3	2-Butanone	0.0063	U	0.0063	0.024	mg/Kg
56-23-5	Carbon Tetrachloride	0.00094	U	0.00094	0.0048	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00073	U	0.00073	0.0048	mg/Kg
74-97-5	Bromochloromethane	0.0011	U	0.0011	0.0048	mg/Kg
67-66-3	Chloroform	0.00081	U	0.00081	0.0048	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00090	U	0.00090	0.0048	mg/Kg
108-87-2	Methylcyclohexane	0.00088	U	0.00088	0.0048	mg/Kg
71-43-2	Benzene	0.00077	U	0.00077	0.0048	mg/Kg
107-06-2	1,2-Dichloroethane	0.00077	U	0.00077	0.0048	mg/Kg
79-01-6	Trichloroethene	0.00079	U	0.00079	0.0048	mg/Kg
78-87-5	1,2-Dichloropropane	0.00088	U	0.00088	0.0048	mg/Kg
75-27-4	Bromodichloromethane	0.00076	U	0.00076	0.0048	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0035	U	0.0035	0.024	mg/Kg
108-88-3	Toluene	0.00076	U	0.00076	0.0048	mg/Kg

Raw Data: **VW031831.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B1	SDG No.:	Q2580
Lab Sample ID:	Q2580-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.8
Sample Wt/Vol:	5.5 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:	Date Analyzed	Prep Batch ID
VW031831.D	1	07/11/25 19:28	VW071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00063	U	0.00063	0.0048	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00060	U	0.00060	0.0048	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00089	U	0.00089	0.0048	mg/Kg
591-78-6	2-Hexanone	0.0036	U	0.0036	0.024	mg/Kg
124-48-1	Dibromochloromethane	0.00084	U	0.00084	0.0048	mg/Kg
106-93-4	1,2-Dibromoethane	0.00085	U	0.00085	0.0048	mg/Kg
127-18-4	Tetrachloroethene	0.0010	U	0.0010	0.0048	mg/Kg
108-90-7	Chlorobenzene	0.00088	U	0.00088	0.0048	mg/Kg
100-41-4	Ethyl Benzene	0.00065	U	0.00065	0.0048	mg/Kg
179601-23-1	m/p-Xylenes	0.0012	U	0.0012	0.0097	mg/Kg
95-47-6	o-Xylene	0.00079	U	0.00079	0.0048	mg/Kg
100-42-5	Styrene	0.00069	U	0.00069	0.0048	mg/Kg
75-25-2	Bromoform	0.00083	U	0.00083	0.0048	mg/Kg
98-82-8	Isopropylbenzene	0.00076	U	0.00076	0.0048	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.0048	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0017	U	0.0017	0.0048	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0015	U	0.0015	0.0048	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0014	U	0.0014	0.0048	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0018	U	0.0018	0.0048	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0029	U	0.0029	0.0048	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0031	U	0.0031	0.0048	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		70 (70) - 130 (134)	91%	SPK: 50
2037-26-5	Toluene-d8	45.4		70 (74) - 130 (123)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	7.965			
540-36-3	1,4-Difluorobenzene	386000	8.856			
3114-55-4	Chlorobenzene-d5	362000	11.636			
3855-82-1	1,4-Dichlorobenzene-d4	168000	13.556			

Raw Data: **VW031831.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B1	SDG No.:	Q2580
Lab Sample ID:	Q2580-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.8
Sample Wt/Vol:	5.5 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:	Date Analyzed	Prep Batch ID
VW031831.D	1	07/11/25 19:28	VW071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VW031831.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031831.D
Acq On : 11 Jul 2025 19:28
Operator : SY/MD
Sample : Q2580-01
Misc : 5.50g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

Quant Time: Jul 11 22:53:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	194384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	385504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	362157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	139617	50.049	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.100%			
35) Dibromofluoromethane	7.904	113	114912	45.680	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 91.360%			
50) Toluene-d8	10.331	98	424647	45.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 90.720%			
62) 4-Bromofluorobenzene	12.617	95	172270	50.005	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.020%			

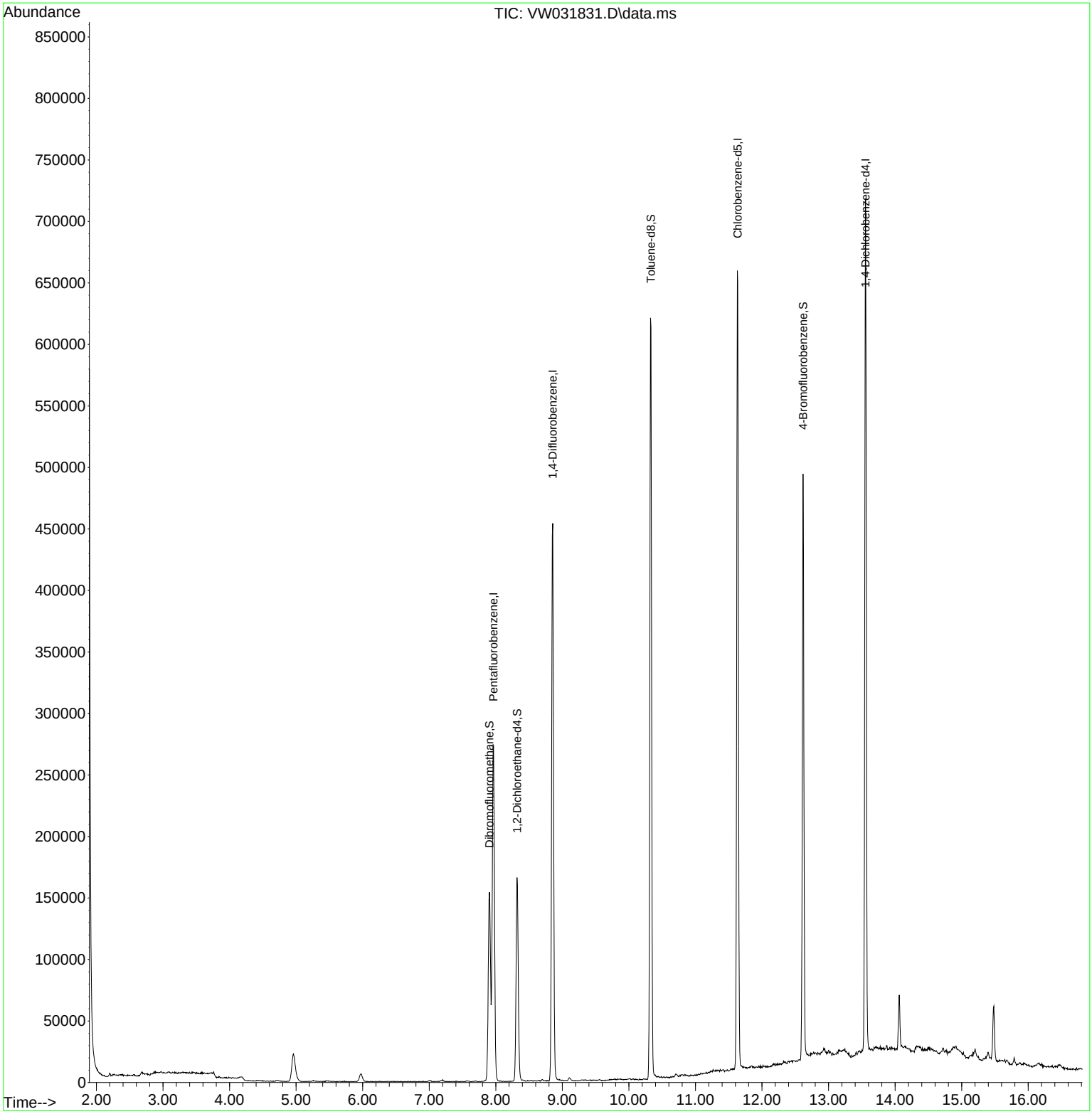
Target Compounds Qvalue

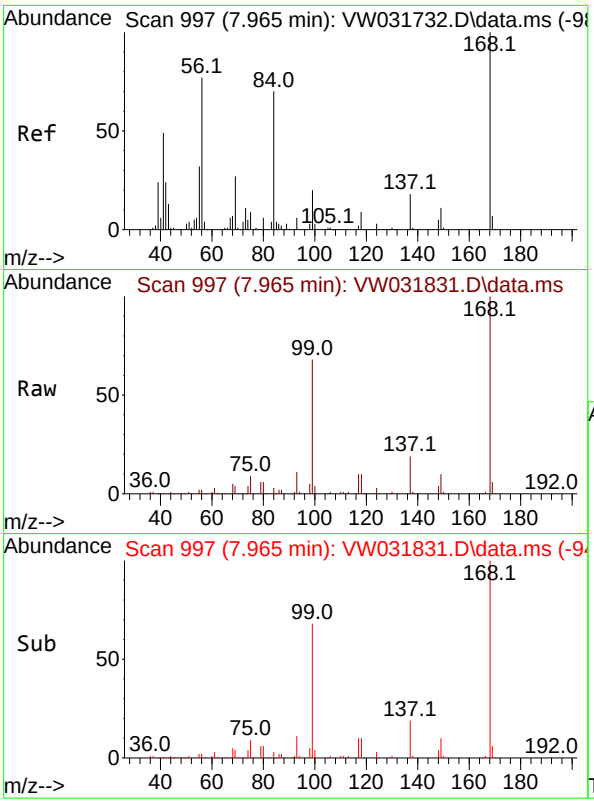
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031831.D
Acq On : 11 Jul 2025 19:28
Operator : SY/MD
Sample : Q2580-01
Misc : 5.50g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

Quant Time: Jul 11 22:53:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



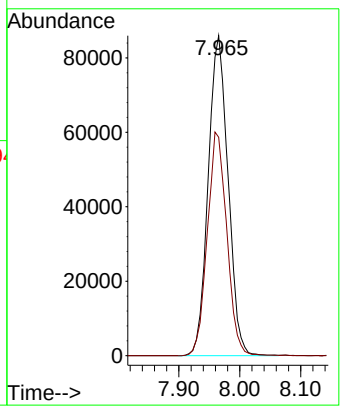


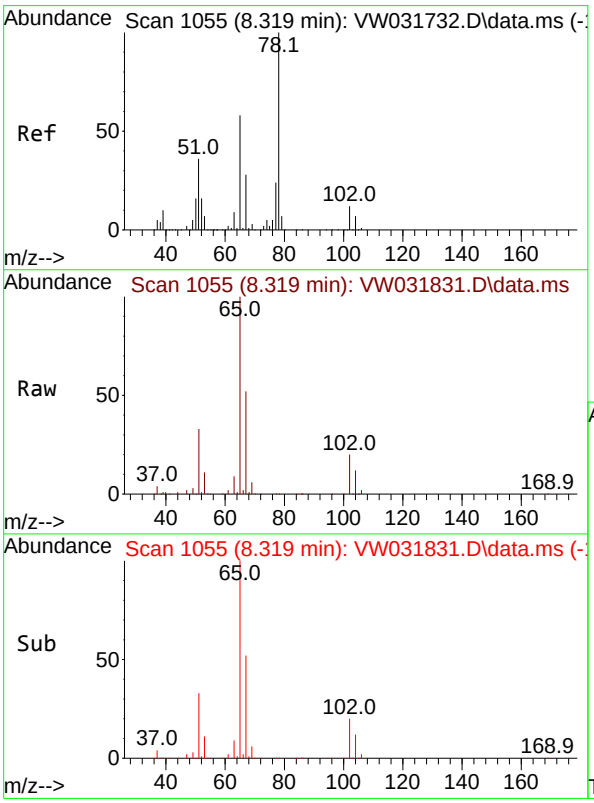
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

Tgt Ion:168 Resp: 194384

Ion	Ratio	Lower	Upper
168	100		
99	68.3	49.4	74.2

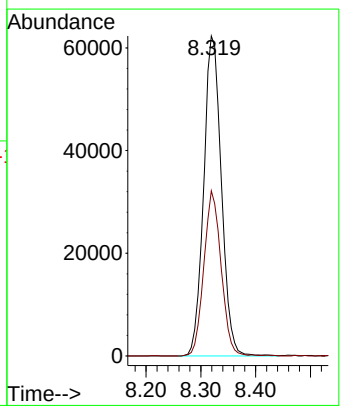


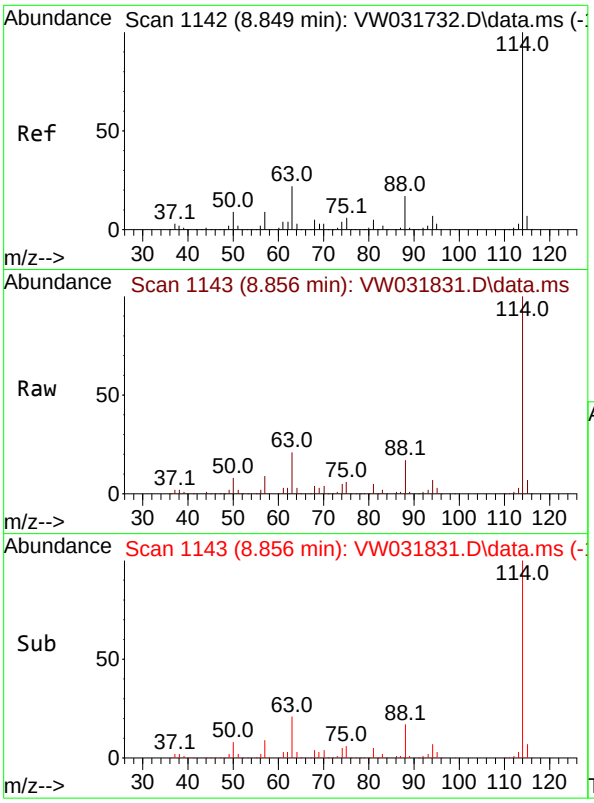


#33
1,2-Dichloroethane-d4
Concen: 50.049 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Tgt Ion: 65 Resp: 139617

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	99.4



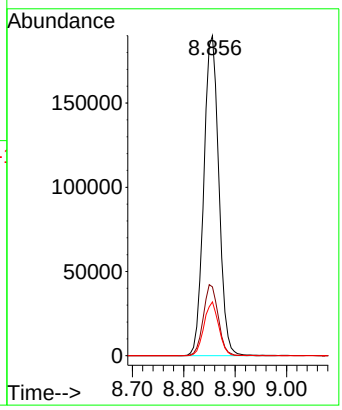


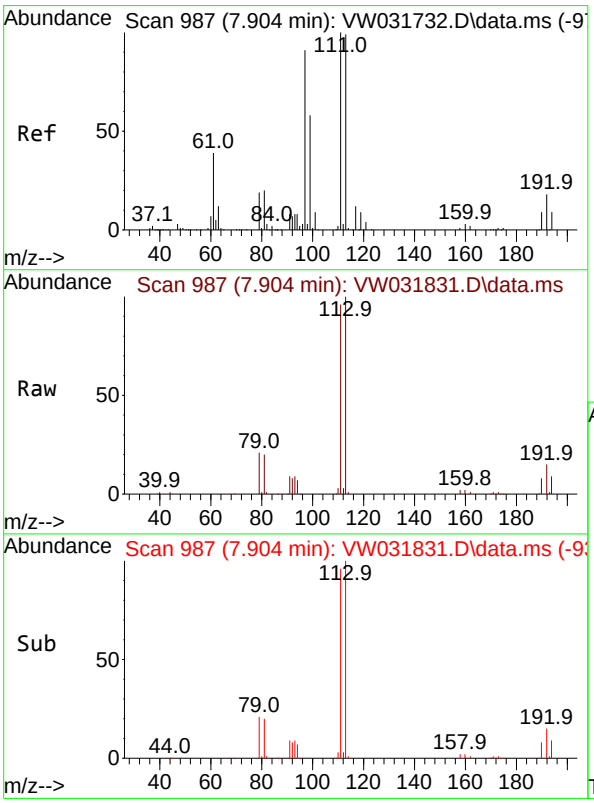
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

Tgt Ion:114 Resp: 385504

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.6
88	16.8	0.0	34.2

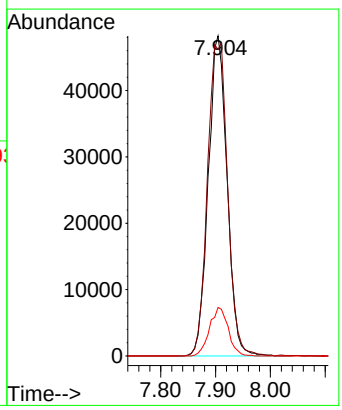


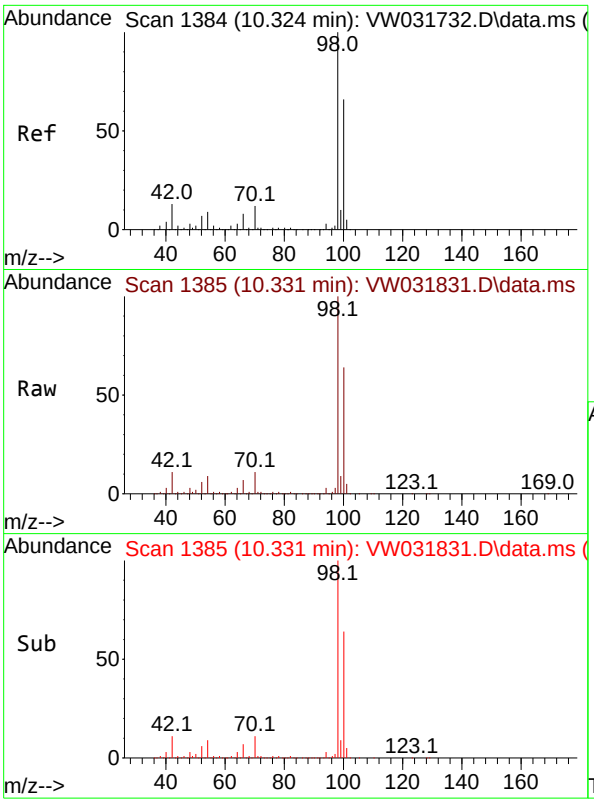


#35
Dibromofluoromethane
Concen: 45.680 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Tgt Ion:113 Resp: 114912

Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.1	123.1
192	15.1	13.8	20.6



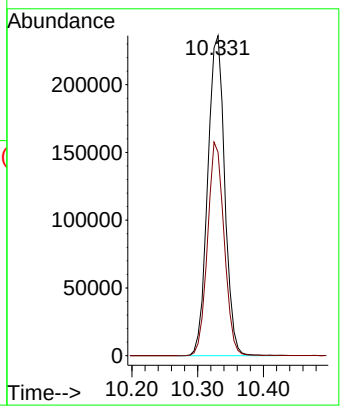


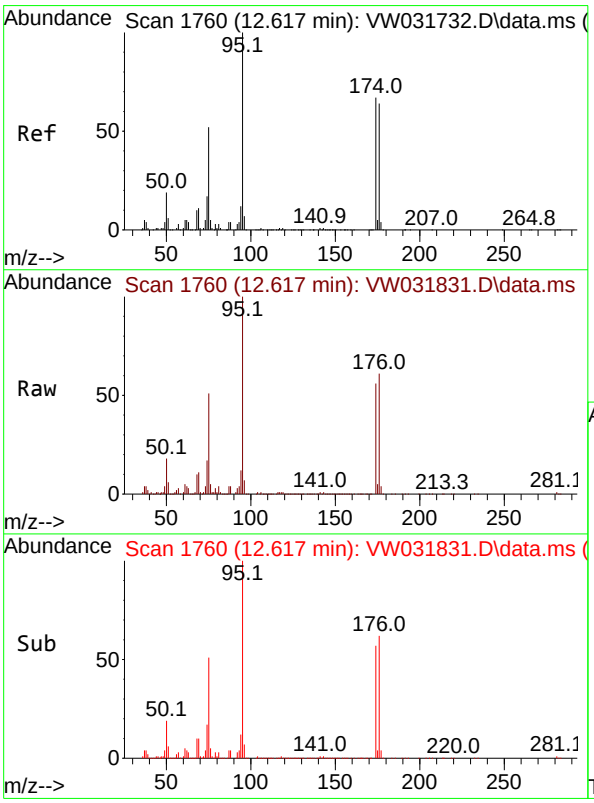
#50
Toluene-d8
Concen: 45.361 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.007 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

Tgt Ion: 98 Resp: 424647

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.0	79.4

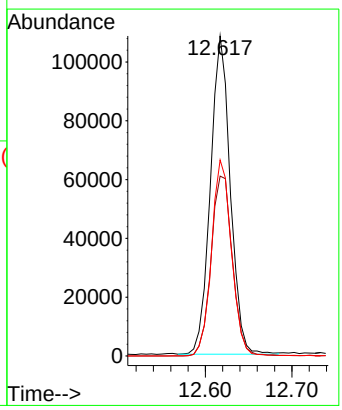


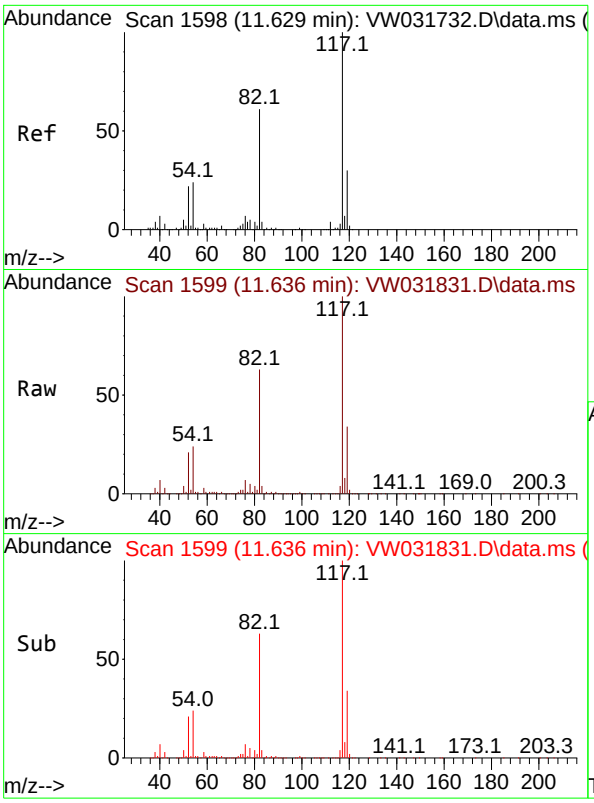


#62
4-Bromofluorobenzene
Concen: 50.005 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Tgt Ion: 95 Resp: 172270

Ion	Ratio	Lower	Upper
95	100		
174	60.9	0.0	133.8
176	62.1	0.0	126.0



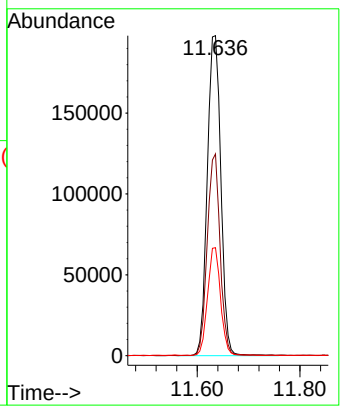


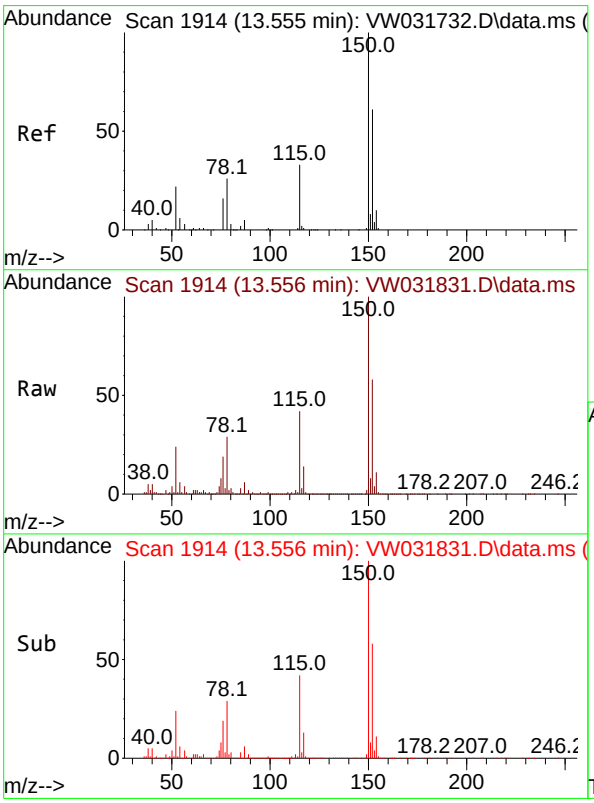
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1
Delta R.T. 0.007 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

Tgt Ion:117 Resp: 362157

Ion	Ratio	Lower	Upper
117	100		
82	63.0	48.6	72.8
119	33.7	23.9	35.9

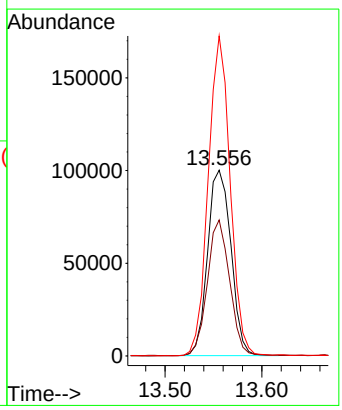




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Tgt Ion:152 Resp: 168181

Ion	Ratio	Lower	Upper
152	100		
115	69.7	31.9	95.7
150	161.9	0.0	356.4



Sample Results: **VW031831.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031831.D
Acq On : 11 Jul 2025 19:28
Operator : SY/MD
Sample : Q2580-01
Misc : 5.50g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

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_W\Method\82W063025S.M
Title : SW846 8260

Signal : TIC: VW031831.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	491	504	523	rVB2	22637	88729	7.72%	1.314%
2	5.978	660	671	682	rBV4	6274	20163	1.76%	0.299%
3	7.904	978	987	991	rBV2	153008	365471	31.82%	5.414%
4	7.965	991	997	1009	rVB	272670	634016	55.19%	9.392%
5	8.319	1043	1055	1067	rBV	165805	376002	32.73%	5.570%
6	8.856	1134	1143	1154	rBV	453438	925019	80.53%	13.703%
7	10.325	1376	1384	1394	rBV	619273	1134267	98.74%	16.803%
8	11.629	1591	1598	1608	rBV	649101	1148710	100.00%	17.017%
9	12.617	1753	1760	1770	rBV	476685	789615	68.74%	11.697%
10	13.556	1907	1914	1922	rBV	692540	1111783	96.79%	16.469%
11	14.062	1992	1997	2002	rBV	44653	72016	6.27%	1.067%
12	15.482	2224	2230	2237	rVB	44752	84773	7.38%	1.256%

Sum of corrected areas: 6750564

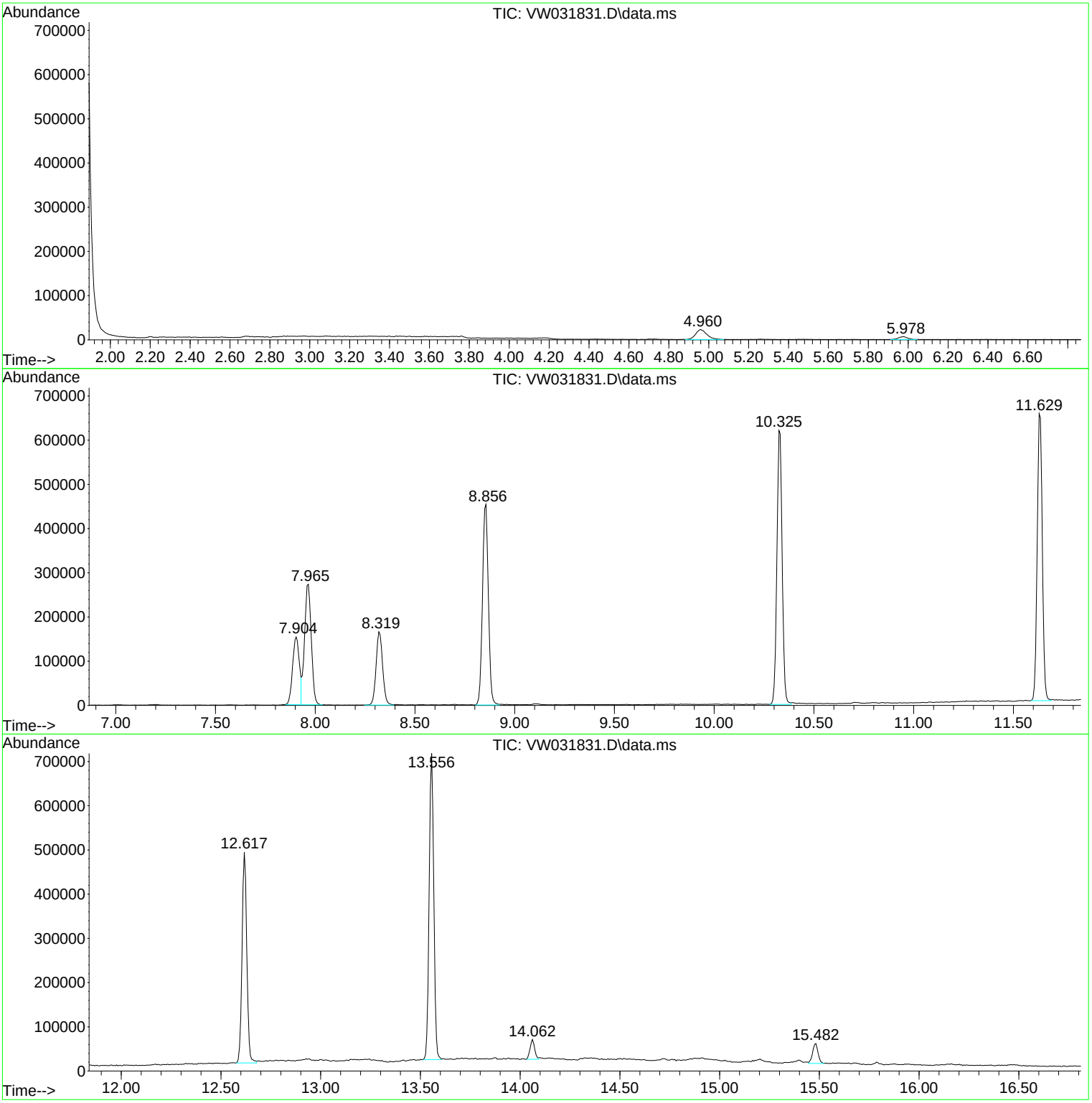
Sample Results: **VW031831.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031831.D
Acq On : 11 Jul 2025 19:28
Operator : SY/MD
Sample : Q2580-01
Misc : 5.50g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031831.D
Acq On : 11 Jul 2025 19:28
Operator : SY/MD
Sample : Q2580-01
Misc : 5.50g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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_W\Data\VW071125\
Data File : VW031831.D
Acq On : 11 Jul 2025 19:28
Operator : SY/MD
Sample : Q2580-01
Misc : 5.50g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

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: Alliance Contract: ENTA05

Lab Code: ACE SDG No.: Q2580

Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55

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

LAB FILE ID: RRF005 = VW031729.D RRF010 = VW031730.D RRF020 = VW031731.D
RRF050 = VW031732.D RRF100 = VW031733.D RRF150 = VW031734.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.3
Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.1
Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4
Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.9
Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.1
Trichlorofluoromethane	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.7
1,1,2-Trichlorotrifluoroethane	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.4
1,1-Dichloroethene	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.4
Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.8
Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.5
Methyl tert-butyl Ether	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.3
Methyl Acetate	0.540	0.523	0.498	0.528	0.467	0.485	0.507	5.6
Methylene Chloride	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.7
trans-1,2-Dichloroethene	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.9
1,1-Dichloroethane	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.1
Cyclohexane	1.175	1.065	1.033	0.937	0.940	0.981	1.022	8.9
2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.6
Carbon Tetrachloride	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.2
cis-1,2-Dichloroethene	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.5
Bromochloromethane	0.531	0.501	0.535	0.504	0.500	0.489	0.510	3.7
Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.2
1,1,1-Trichloroethane	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.1
Methylcyclohexane	0.573	0.571	0.604	0.566	0.592	0.619	0.587	3.6
Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.4
1,2-Dichloroethane	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.7
Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.1
1,2-Dichloropropane	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.7
Bromodichloromethane	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.4
4-Methyl-2-Pentanone	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.5
Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.7

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG No.: Q2580

Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55

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

LAB FILE ID: RRF005 = VW031729.D RRF010 = VW031730.D RRF020 = VW031731.D
RRF050 = VW031732.D RRF100 = VW031733.D RRF150 = VW031734.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.7
cis-1,3-Dichloropropene	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.1
1,1,2-Trichloroethane	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4
2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.6
Dibromochloromethane	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3
1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.7
Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.2
Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.4
Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.3
m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.6
o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.7
Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.1
Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.1
Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.4
1,1,2,2-Tetrachloroethane	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.2
1,3-Dichlorobenzene	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.5
1,4-Dichlorobenzene	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.4
1,2-Dichlorobenzene	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.2
1,2-Dibromo-3-Chloropropane	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.6
1,2,4-Trichlorobenzene	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5
1,2,3-Trichlorobenzene	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5
1,2-Dichloroethane-d4	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.8
Dibromofluoromethane	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.6
Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.7
4-Bromofluorobenzene	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.4

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

Response Factor Report MSVOA_W

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025
Response Via : Initial Calibration

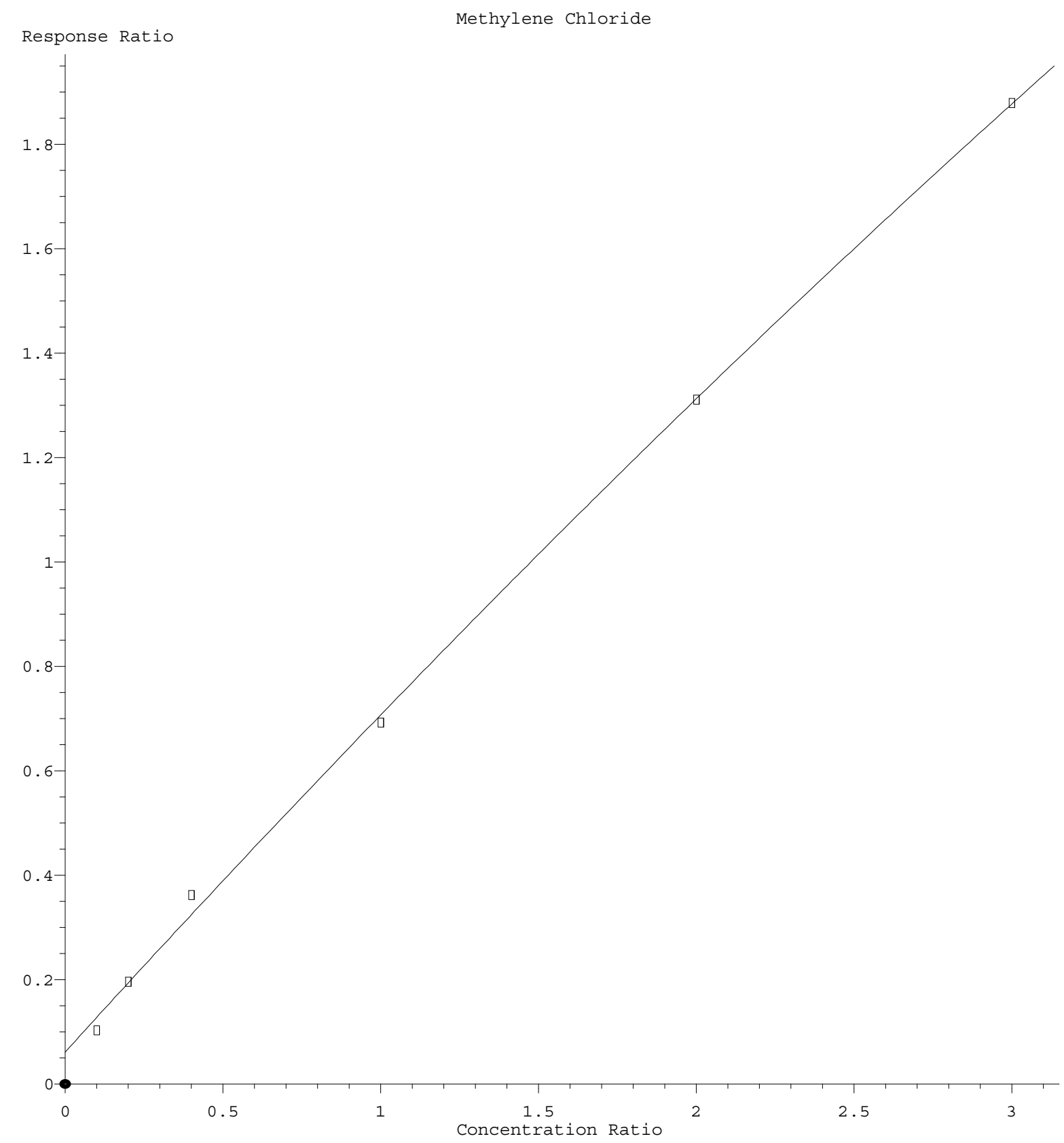
Calibration Files
5 =VW031729.D 10 =VW031730.D 20 =VW031731.D 50 =VW031732.D 100 =VW031733.D 150 =VW031734.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.35
3)	P	Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.13
4)	C	Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4.02#
5)	T	Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.94
6)	T	Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.11
7)	T	Trichlorofluor...	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.71
8)	T	Diethyl Ether	0.399	0.413	0.383	0.356	0.343	0.340	0.372	8.22
9)	T	1,1,2-Trichlor...	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.39
10)	T	Methyl Iodide	0.854	0.846	0.880	0.816	0.814	0.821	0.839	3.11
11)	T	Tert butyl alc...	0.043	0.046	0.042	0.047	0.043	0.045	0.044	4.04
12)	CM	1,1-Dichloroet...	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.43#
13)	T	Acrolein	0.072	0.086	0.082	0.083	0.078	0.078	0.080	6.20
14)	T	Allyl chloride	0.883	0.905	0.938	0.896	0.919	0.945	0.914	2.65
15)	T	Acrylonitrile	0.177	0.186	0.182	0.191	0.181	0.181	0.183	2.68
16)	T	Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.84
17)	T	Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.54
18)	T	Methyl Acetate	0.540	0.523	0.498	0.528	0.467	0.485	0.507	5.57
19)	T	Methyl tert-bu...	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.27
20)	T	Methylene Chlo...	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.75
21)	T	trans-1,2-Dich...	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.92
22)	T	Diisopropyl ether	1.706	1.791	1.872	1.795	1.764	1.769	1.783	3.03
23)	T	Vinyl Acetate	1.111	1.178	1.240	1.256	1.246	1.276	1.218	5.09
24)	P	1,1-Dichloroet...	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.07
25)	T	2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.56
26)	T	2,2-Dichloropr...	0.693	0.683	0.698	0.657	0.643	0.672	0.674	3.18
27)	T	cis-1,2-Dichlo...	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.52
28)	T	Bromochloromet...	0.531	0.501	0.535	0.504	0.500	0.489	0.510	3.68
29)	T	Tetrahydrofuran	0.151	0.160	0.156	0.168	0.156	0.158	0.158	3.55
30)	C	Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.17#
31)	T	Cyclohexane	1.175	1.065	1.033	0.937	0.940	0.981	1.022	8.87
32)	T	1,1,1-Trichlor...	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.09
33)	S	1,2-Dichloroet...	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.82
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.63
36)	T	1,1-Dichloropr...	0.477	0.473	0.497	0.456	0.463	0.467	0.472	3.03
37)	T	Ethyl Acetate	0.314	0.299	0.305	0.303	0.281	0.285	0.298	4.14
38)	T	Carbon Tetrach...	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.16
39)	T	Methylcyclohexane	0.573	0.571	0.604	0.566	0.592	0.619	0.587	3.59
40)	TM	Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.36
41)	T	Methacrylonitrile	0.151	0.151	0.153	0.174	0.161	0.167	0.160	6.03
42)	TM	1,2-Dichloroet...	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.69
43)	T	Isopropyl Acetate	0.480	0.509	0.516	0.535	0.514	0.527	0.513	3.71
44)	TM	Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.07
45)	C	1,2-Dichloropr...	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.67#
46)	T	Dibromomethane	0.228	0.217	0.227	0.219	0.206	0.210	0.218	4.08
47)	T	Bromodichlorom...	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.39
48)	T	Methyl methacr...	0.230	0.266	0.246	0.261	0.255	0.256	0.252	5.06
49)	T	1,4-Dioxane	0.003	0.003	0.002	0.003	0.002	0.002	0.003	7.16
50)	S	Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.67
51)	T	4-Methyl-2-Pen...	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.54
52)	CM	Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.67#
53)	T	t-1,3-Dichloro...	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.74
54)	T	cis-1,3-Dichlo...	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.09
55)	T	1,1,2-Trichlor...	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4.04
56)	T	Ethyl methacry...	0.355	0.366	0.381	0.410	0.402	0.410	0.387	6.08

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W063025S.M

57)	T	1,3-Dichloropr...	0.522	0.524	0.518	0.491	0.477	0.476	0.501	4.47
58)	T	2-Chloroethyl ...	0.196	0.199	0.220	0.225	0.223	0.216	0.213	5.93
59)	T	2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.63
60)	T	Dibromochlorom...	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3.04
61)	T	1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.66
62)	S	4-Bromofluorob...	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.38
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.15
65)	PM	Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.41
66)	T	1,1,1,2-Tetrac...	0.347	0.351	0.345	0.350	0.352	0.365	0.352	2.00
67)	C	Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.33#
68)	T	m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.58
69)	T	o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.72
70)	T	Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.10
71)	P	Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.07
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.38
74)	T	N-amyl acetate	0.934	0.970	0.953	1.067	1.096	1.132	1.025	8.11
75)	P	1,1,2,2-Tetrac...	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.16
76)	T	1,2,3-Trichlor...	0.693	0.651	0.611	0.652	0.617	0.652	0.646	4.56
77)	T	Bromobenzene	0.883	0.821	0.816	0.781	0.886	0.902	0.848	5.72
78)	T	n-propylbenzene	4.370	4.433	4.418	4.463	4.733	4.909	4.554	4.74
79)	T	2-Chlorotoluene	2.717	2.648	2.721	2.684	2.800	2.885	2.743	3.14
80)	T	1,3,5-Trimethy...	2.947	2.987	3.121	3.155	3.314	3.365	3.148	5.35
81)	T	trans-1,4-Dich...	0.245	0.272	0.249	0.291	0.299	0.309	0.277	9.55
82)	T	4-Chlorotoluene	2.935	2.802	2.837	2.822	2.901	2.978	2.879	2.43
83)	T	tert-Butylbenzene	2.532	2.560	2.642	2.613	2.838	2.995	2.697	6.73
84)	T	1,2,4-Trimethy...	3.054	3.078	3.192	3.122	3.292	3.399	3.190	4.20
85)	T	sec-Butylbenzene	3.914	3.877	3.937	3.987	4.185	4.386	4.048	4.90
86)	T	p-Isopropyltol...	3.123	3.166	3.292	3.275	3.517	3.643	3.336	6.10
87)	T	1,3-Dichlorobe...	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.55
88)	T	1,4-Dichlorobe...	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.40
89)	T	n-Butylbenzene	3.126	3.110	3.134	3.176	3.389	3.511	3.241	5.17
90)	T	Hexachloroethane	0.573	0.567	0.566	0.592	0.638	0.675	0.602	7.45
91)	T	1,2-Dichlorobe...	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.20
92)	T	1,2-Dibromo-3-...	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.55
93)	T	1,2,4-Trichlor...	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5.03
94)	T	Hexachlorobuta...	0.474	0.469	0.438	0.414	0.493	0.489	0.463	6.67
95)	T	Naphthalene	2.185	2.107	2.155	2.395	2.610	2.653	2.351	10.17
96)	T	1,2,3-Trichlor...	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5.04

(#) = Out of Range



R = -2.021e-002 A*A + 6.660e-001 A + 6.133e-002
Coef of Det (r^2) = 0.999086 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W063025S.M
Calibration Table Last Updated: Tue Jul 01 03:35:17 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.965	168	228987	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.849	114	410655	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.629	117	361730	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171294	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.319	65	16728	5.090	ug/l		0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 10.180%#				
35) Dibromofluoromethane	7.904	113	13228	4.936	ug/l		0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 9.880%#				
50) Toluene-d8	10.331	98	46017	4.615	ug/l		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 9.220%#				
62) 4-Bromofluorobenzene	12.617	95	17925	4.884	ug/l		0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 9.760%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.046	85	7562	4.849	ug/l		100
3) Chloromethane	2.247	50	9357	4.977	ug/l		98
4) Vinyl Chloride	2.405	62	11970	4.844	ug/l		98
5) Bromomethane	2.820	94	9829	5.092	ug/l	#	78
6) Chloroethane	2.966	64	8474	5.048	ug/l	#	83
7) Trichlorofluoromethane	3.302	101	11652	5.192	ug/l		95
8) Diethyl Ether	3.722	74	9130	5.354	ug/l		84
9) 1,1,2-Trichlorotrifluo...	4.094	101	13215	5.305	ug/l		98
10) Methyl Iodide	4.314	142	19559	5.093	ug/l		98
11) Tert butyl alcohol	5.222	59	4942m	24.274	ug/l		
12) 1,1-Dichloroethene	4.082	96	13793	5.055	ug/l		93
13) Acrolein	3.936	56	8223	22.472	ug/l	#	82
14) Allyl chloride	4.704	41	20213	4.828	ug/l		98
15) Acrylonitrile	5.405	53	20292	24.197	ug/l		97
16) Acetone	4.161	43	27204m	33.285	ug/l		
17) Carbon Disulfide	4.417	76	35984	4.928	ug/l	#	95
18) Methyl Acetate	4.710	43	12364	5.326	ug/l		99
19) Methyl tert-butyl Ether	5.466	73	23058	4.979	ug/l		94
20) Methylene Chloride	4.948	84	23553	3.124	ug/l		96
21) trans-1,2-Dichloroethene	5.466	96	14541	5.015	ug/l		98
22) Diisopropyl ether	6.344	45	39057	4.784	ug/l	#	90
23) Vinyl Acetate	6.283	43	127146	22.799	ug/l		100
24) 1,1-Dichloroethane	6.252	63	26423	4.992	ug/l		98
25) 2-Butanone	7.197	43	25644	24.268	ug/l		96
26) 2,2-Dichloropropane	7.191	77	15875	5.140	ug/l		97
27) cis-1,2-Dichloroethene	7.191	96	16273	4.883	ug/l		99
28) Bromochloromethane	7.526	49	12169	5.210	ug/l	#	12
29) Tetrahydrofuran	7.557	42	17271	23.866	ug/l		99
30) Chloroform	7.691	83	28162	5.007	ug/l		97
31) Cyclohexane	7.965	56	26905	5.750	ug/l	#	82
32) 1,1,1-Trichloroethane	7.886	97	21367	4.929	ug/l		96
36) 1,1-Dichloropropene	8.093	75	19574	5.048	ug/l		98
37) Ethyl Acetate	7.276	43	12878m	5.265	ug/l		
38) Carbon Tetrachloride	8.081	117	19576	4.954	ug/l		97
39) Methylcyclohexane	9.343	83	23529	4.877	ug/l		94
40) Benzene	8.337	78	57889	5.046	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	6190	4.724	ug/l	#	90
42) 1,2-Dichloroethane	8.416	62	20133	5.194	ug/l		99
43) Isopropyl Acetate	8.441	43	19704	4.673	ug/l		97
44) Trichloroethene	9.105	130	14112	4.928	ug/l		98
45) 1,2-Dichloropropane	9.374	63	14286	5.152	ug/l		95
46) Dibromomethane	9.465	93	9383	5.242	ug/l		98
47) Bromodichloromethane	9.654	83	20888	4.976	ug/l		98
48) Methyl methacrylate	9.441	41	9461	4.563	ug/l		98
49) 1,4-Dioxane	9.471	88	2322m	121.843	ug/l		
51) 4-Methyl-2-Pentanone	10.215	43	58525	24.143	ug/l		100
52) Toluene	10.392	92	36200	4.928	ug/l		96
53) t-1,3-Dichloropropene	10.611	75	17756	4.508	ug/l		95
54) cis-1,3-Dichloropropene	10.075	75	21091	4.724	ug/l		93
55) 1,1,2-Trichloroethane	10.788	97	12285	5.239	ug/l		95
56) Ethyl methacrylate	10.648	69	14584	4.584	ug/l		97
57) 1,3-Dichloropropane	10.934	76	21432	5.206	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	40271	22.989	ug/l		99
59) 2-Hexanone	10.971	43	37987	23.125	ug/l		96
60) Dibromochloromethane	11.129	129	13506	4.817	ug/l		98
61) 1,2-Dibromoethane	11.239	107	11844	5.046	ug/l		99
64) Tetrachloroethene	10.867	164	11991	5.068	ug/l		95
65) Chlorobenzene	11.654	112	40816	5.114	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.733	131	12551	4.935	ug/l		96
67) Ethyl Benzene	11.733	91	67293	4.862	ug/l		99
68) m/p-Xylenes	11.837	106	49892	9.378	ug/l		97
69) o-Xylene	12.166	106	22994	4.668	ug/l		98
70) Styrene	12.178	104	38573	4.530	ug/l		96
71) Bromoform	12.349	173	7112	4.688	ug/l	#	96
73) Isopropylbenzene	12.465	105	62409	4.790	ug/l		98
74) N-amyl acetate	12.269	43	15998	4.555	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.715	83	15264	5.277	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	11866m	5.361	ug/l		
77) Bromobenzene	12.745	156	15131	5.207	ug/l		89
78) n-propylbenzene	12.800	91	74850	4.797	ug/l		99
79) 2-Chlorotoluene	12.891	91	46542	4.954	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	50477	4.680	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.507	75	4189	4.408	ug/l	#	81
82) 4-Chlorotoluene	12.989	91	50283	5.098	ug/l		100
83) tert-Butylbenzene	13.202	119	43370	4.694	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	52319	4.788	ug/l		97
85) sec-Butylbenzene	13.379	105	67046	4.835	ug/l		99
86) p-Isopropyltoluene	13.489	119	53492	4.681	ug/l		98
87) 1,3-Dichlorobenzene	13.501	146	30342	5.206	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	31083	5.211	ug/l		92
89) n-Butylbenzene	13.818	91	53555	4.823	ug/l		97
90) Hexachloroethane	14.086	117	9816	4.761	ug/l		95
91) 1,2-Dichlorobenzene	13.867	146	27395	5.143	ug/l		93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2902	5.138	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	16524	5.030	ug/l		97
94) Hexachlorobutadiene	15.226	225	8122	5.120	ug/l		88
95) Naphthalene	15.360	128	37422	4.647	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	14775	4.895	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 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

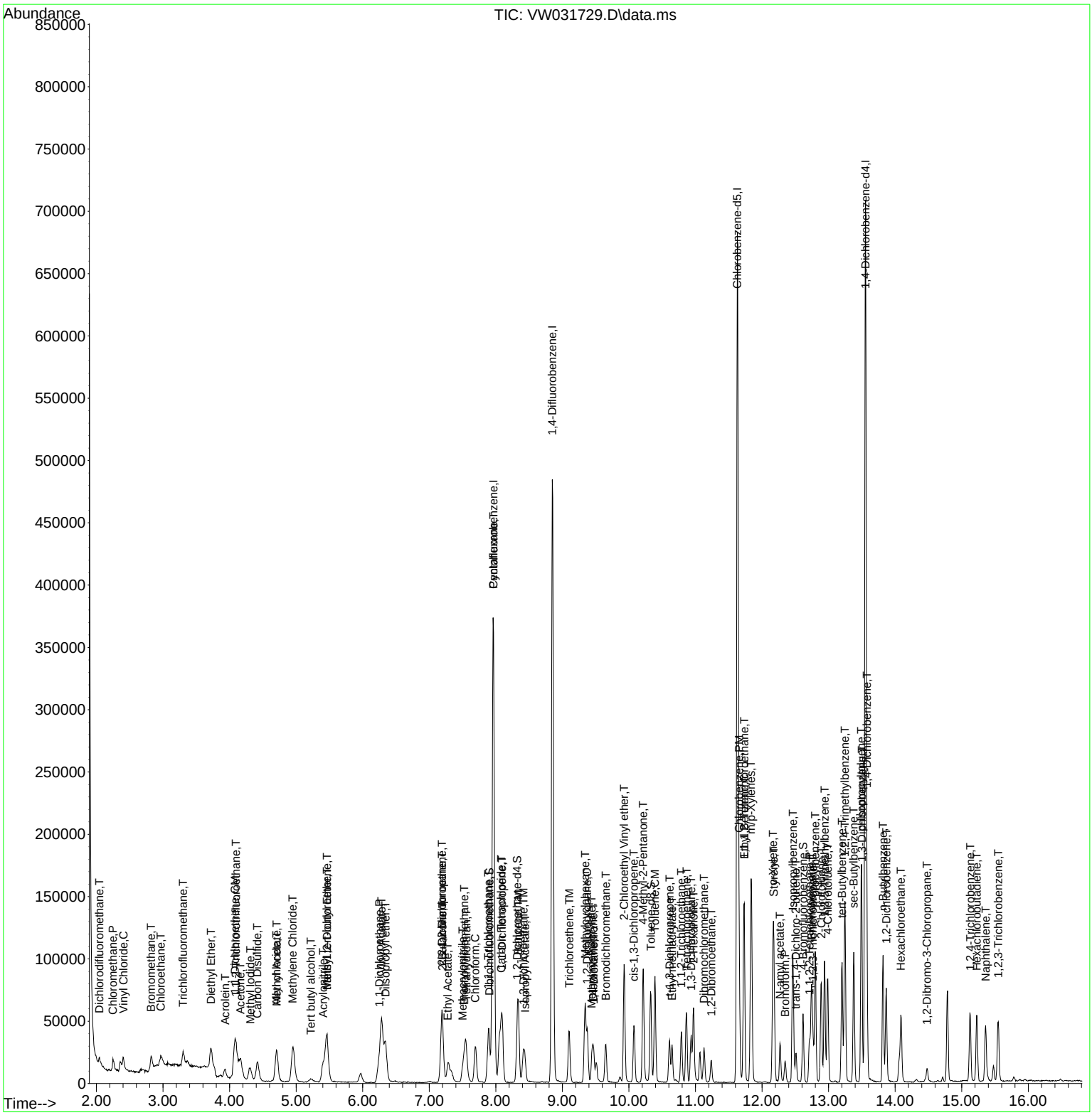
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	216272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	387016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	345396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	31661	10.201	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.400%#		
35) Dibromofluoromethane	7.898	113	25109	9.942	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	19.880%#		
50) Toluene-d8	10.325	98	96344	10.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.500%#		
62) 4-Bromofluorobenzene	12.617	95	34948	10.105	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	16044	10.893	ug/l	94
3) Chloromethane	2.253	50	17744	9.993	ug/l	99
4) Vinyl Chloride	2.405	62	23112	9.902	ug/l	95
5) Bromomethane	2.820	94	18643	10.226	ug/l	94
6) Chloroethane	2.966	64	16074	10.139	ug/l	91
7) Trichlorofluoromethane	3.308	101	21990	10.374	ug/l	94
8) Diethyl Ether	3.722	74	17881	11.102	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.100	101	24340	10.346	ug/l	99
10) Methyl Iodide	4.313	142	36597	10.090	ug/l	99
11) Tert butyl alcohol	5.234	59	10031m	52.167	ug/l	
12) 1,1-Dichloroethene	4.076	96	27046	10.495	ug/l	95
13) Acrolein	3.929	56	18553	53.683	ug/l	100
14) Allyl chloride	4.704	41	39145	9.900	ug/l	100
15) Acrylonitrile	5.405	53	40289	50.867	ug/l	99
16) Acetone	4.161	43	41372	53.597	ug/l	97
17) Carbon Disulfide	4.417	76	68668	9.958	ug/l	98
18) Methyl Acetate	4.710	43	22628	10.321	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	44040	10.069	ug/l	95
20) Methylene Chloride	4.960	84	42368	10.166	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	26955	9.844	ug/l	87
22) Diisopropyl ether	6.344	45	77462	10.045	ug/l	95
23) Vinyl Acetate	6.283	43	254825	48.380	ug/l	98
24) 1,1-Dichloroethane	6.240	63	50299	10.061	ug/l	99
25) 2-Butanone	7.197	43	48340	48.435	ug/l	97
26) 2,2-Dichloropropane	7.185	77	29549	10.130	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	30687	9.749	ug/l	99
28) Bromochloromethane	7.532	49	21655	9.815	ug/l	98
29) Tetrahydrofuran	7.557	42	34596	50.617	ug/l	98
30) Chloroform	7.691	83	53600	10.090	ug/l	99
31) Cyclohexane	7.971	56	46081	10.427	ug/l #	89
32) 1,1,1-Trichloroethane	7.886	97	42532	10.389	ug/l	98
36) 1,1-Dichloropropene	8.099	75	36621	10.021	ug/l	99
37) Ethyl Acetate	7.282	43	23126	10.032	ug/l	99
38) Carbon Tetrachloride	8.081	117	38531	10.347	ug/l	99
39) Methylcyclohexane	9.343	83	44170	9.715	ug/l	97
40) Benzene	8.337	78	107869	9.977	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	11713	9.485	ug/l		87
42) 1,2-Dichloroethane	8.416	62	37957	10.390	ug/l		99
43) Isopropyl Acetate	8.441	43	39393	9.913	ug/l		99
44) Trichloroethene	9.099	130	26788	9.927	ug/l		98
45) 1,2-Dichloropropane	9.380	63	26605	10.181	ug/l		97
46) Dibromomethane	9.471	93	16818	9.969	ug/l		96
47) Bromodichloromethane	9.654	83	39595	10.009	ug/l		98
48) Methyl methacrylate	9.447	41	20612	10.549	ug/l		96
49) 1,4-Dioxane	9.465	88	4204m	234.072	ug/l		
51) 4-Methyl-2-Pentanone	10.215	43	116628	51.050	ug/l		99
52) Toluene	10.392	92	69506	10.041	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	35578	9.585	ug/l		97
54) cis-1,3-Dichloropropene	10.081	75	40343	9.588	ug/l		94
55) 1,1,2-Trichloroethane	10.788	97	21816	9.872	ug/l	#	88
56) Ethyl methacrylate	10.648	69	28317	9.445	ug/l		99
57) 1,3-Dichloropropane	10.934	76	40528	10.446	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	76896	46.578	ug/l		98
59) 2-Hexanone	10.971	43	77810	50.260	ug/l		97
60) Dibromochloromethane	11.129	129	25734	9.738	ug/l		96
61) 1,2-Dibromoethane	11.233	107	22082	9.981	ug/l		100
64) Tetrachloroethene	10.861	164	22144	9.801	ug/l		90
65) Chlorobenzene	11.654	112	77068	10.113	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	24224	9.975	ug/l		98
67) Ethyl Benzene	11.733	91	131184	9.927	ug/l		98
68) m/p-Xylenes	11.836	106	100863	19.856	ug/l		98
69) o-Xylene	12.166	106	45204	9.611	ug/l		97
70) Styrene	12.184	104	79722	9.805	ug/l		98
71) Bromoform	12.355	173	13967	9.641	ug/l	#	99
73) Isopropylbenzene	12.464	105	120857	9.331	ug/l		100
74) N-amyl acetate	12.275	43	33049	9.467	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	28567	9.935	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	22177m	10.079	ug/l		
77) Bromobenzene	12.745	156	27969	9.682	ug/l		91
78) n-propylbenzene	12.800	91	150962	9.734	ug/l		98
79) 2-Chlorotoluene	12.885	91	90162	9.654	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	101724	9.489	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	9266	9.808	ug/l		92
82) 4-Chlorotoluene	12.989	91	95411	9.731	ug/l		99
83) tert-Butylbenzene	13.202	119	87194	9.495	ug/l		96
84) 1,2,4-Trimethylbenzene	13.245	105	104832	9.651	ug/l		100
85) sec-Butylbenzene	13.379	105	132016	9.578	ug/l		99
86) p-Isopropyltoluene	13.495	119	107805	9.490	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	58049	10.021	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	59597	10.051	ug/l		94
89) n-Butylbenzene	13.818	91	105923	9.597	ug/l		99
90) Hexachloroethane	14.086	117	19306	9.420	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	51680	9.761	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5409	9.634	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	30599	9.371	ug/l		98
94) Hexachlorobutadiene	15.226	225	15982	10.136	ug/l		91
95) Naphthalene	15.360	128	71758	8.964	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	29473	9.823	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 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

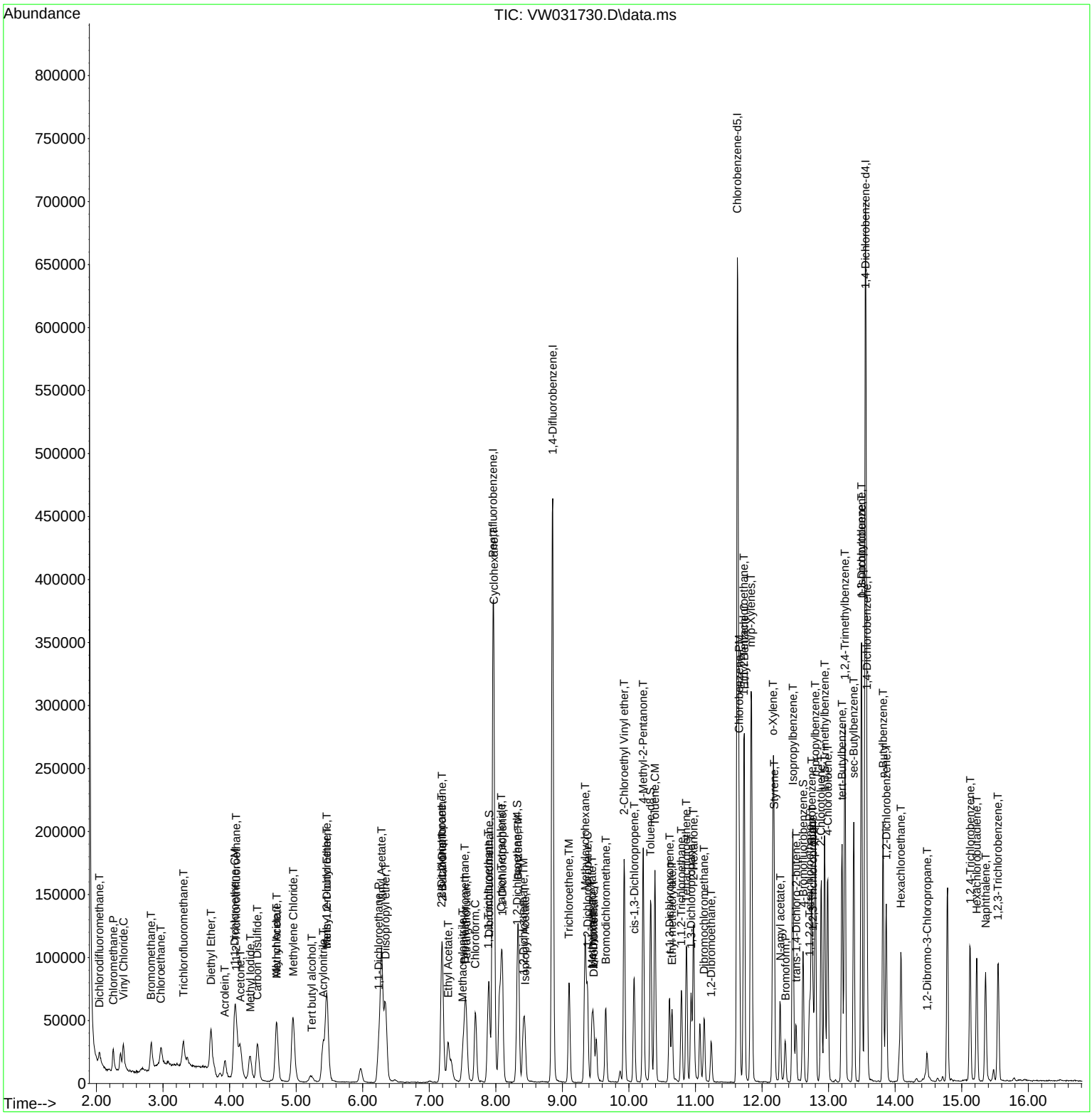
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	206362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	368808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	347024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	169543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	61033	20.609	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.220%#		
35) Dibromofluoromethane	7.898	113	51372	21.346	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	42.700%#		
50) Toluene-d8	10.324	98	190235	21.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	42.480%#		
62) 4-Bromofluorobenzene	12.617	95	68269	20.714	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	29096	20.703	ug/l	99
3) Chloromethane	2.253	50	35297	20.832	ug/l	99
4) Vinyl Chloride	2.405	62	47534	21.344	ug/l	95
5) Bromomethane	2.820	94	36582	21.030	ug/l	98
6) Chloroethane	2.966	64	31253	20.660	ug/l	93
7) Trichlorofluoromethane	3.301	101	36478	18.036	ug/l	95
8) Diethyl Ether	3.716	74	31642	20.589	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	46970	20.923	ug/l	98
10) Methyl Iodide	4.301	142	72612	20.981	ug/l	98
11) Tert butyl alcohol	5.209	59	17455	95.135	ug/l #	88
12) 1,1-Dichloroethene	4.069	96	51343	20.880	ug/l	94
13) Acrolein	3.923	56	33931	102.894	ug/l	95
14) Allyl chloride	4.697	41	77423	20.522	ug/l	99
15) Acrylonitrile	5.398	53	75131	99.411	ug/l	99
16) Acetone	4.149	43	70616	95.875	ug/l	97
17) Carbon Disulfide	4.411	76	135917	20.656	ug/l	98
18) Methyl Acetate	4.703	43	41106	19.649	ug/l	99
19) Methyl tert-butyl Ether	5.459	73	85702	20.535	ug/l	97
20) Methylene Chloride	4.947	84	74694	22.889	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	55073	21.078	ug/l	95
22) Diisopropyl ether	6.337	45	154496	20.997	ug/l	97
23) Vinyl Acetate	6.276	43	511743	101.822	ug/l	99
24) 1,1-Dichloroethane	6.234	63	100608	21.090	ug/l	100
25) 2-Butanone	7.191	43	91095	95.657	ug/l	97
26) 2,2-Dichloropropane	7.179	77	57600	20.695	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	62244	20.725	ug/l	99
28) Bromochloromethane	7.526	49	44182	20.988	ug/l	100
29) Tetrahydrofuran	7.550	42	64497	98.896	ug/l	99
30) Chloroform	7.691	83	107197	21.148	ug/l	98
31) Cyclohexane	7.965	56	85236	20.213	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	80117	20.509	ug/l	98
36) 1,1-Dichloropropene	8.093	75	73346	21.061	ug/l	100
37) Ethyl Acetate	7.270	43	45062	20.512	ug/l	98
38) Carbon Tetrachloride	8.081	117	73482	20.706	ug/l	97
39) Methylcyclohexane	9.343	83	89081	20.560	ug/l	98
40) Benzene	8.331	78	218756	21.231	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.489	41	22541	19.154	ug/l		91
42) 1,2-Dichloroethane	8.410	62	72797	20.910	ug/l		100
43) Isopropyl Acetate	8.434	43	76119	20.101	ug/l		100
44) Trichloroethene	9.099	130	54194	21.074	ug/l		100
45) 1,2-Dichloropropane	9.373	63	52141	20.939	ug/l		100
46) Dibromomethane	9.465	93	33467	20.817	ug/l		98
47) Bromodichloromethane	9.648	83	77246	20.490	ug/l		96
48) Methyl methacrylate	9.440	41	36279	19.484	ug/l		98
49) 1,4-Dioxane	9.465	88	7013m	409.751	ug/l		
51) 4-Methyl-2-Pentanone	10.209	43	217881	100.078	ug/l		99
52) Toluene	10.391	92	138387	20.978	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	72498	20.496	ug/l		99
54) cis-1,3-Dichloropropene	10.074	75	84285	21.019	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	44134	20.957	ug/l		98
56) Ethyl methacrylate	10.647	69	56229	19.681	ug/l		99
57) 1,3-Dichloropropane	10.928	76	76367	20.654	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	162561	103.330	ug/l		98
59) 2-Hexanone	10.964	43	143482	97.256	ug/l		99
60) Dibromochloromethane	11.129	129	52126	20.699	ug/l		98
61) 1,2-Dibromoethane	11.233	107	43701	20.729	ug/l		99
64) Tetrachloroethene	10.861	164	44967	19.810	ug/l		94
65) Chlorobenzene	11.653	112	154847	20.224	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.733	131	47923	19.641	ug/l		98
67) Ethyl Benzene	11.727	91	265199	19.975	ug/l		96
68) m/p-Xylenes	11.836	106	208380	40.829	ug/l		97
69) o-Xylene	12.165	106	95105	20.126	ug/l		99
70) Styrene	12.178	104	165896	20.307	ug/l		100
71) Bromoform	12.348	173	28135	19.330	ug/l	#	100
73) Isopropylbenzene	12.464	105	249772	19.368	ug/l		99
74) N-amyl acetate	12.269	43	64599	18.584	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55059	19.230	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	41432m	18.910	ug/l		
77) Bromobenzene	12.745	156	55325	19.235	ug/l		92
78) n-propylbenzene	12.800	91	299620	19.402	ug/l		98
79) 2-Chlorotoluene	12.885	91	184544	19.845	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	211664	19.828	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	16911	17.978	ug/l		92
82) 4-Chlorotoluene	12.982	91	192402	19.707	ug/l		99
83) tert-Butylbenzene	13.202	119	179144	19.591	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	216491	20.016	ug/l		98
85) sec-Butylbenzene	13.379	105	266984	19.452	ug/l		100
86) p-Isopropyltoluene	13.495	119	223225	19.735	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	114120	19.784	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	115307	19.530	ug/l		95
89) n-Butylbenzene	13.818	91	212509	19.336	ug/l		98
90) Hexachloroethane	14.086	117	38406	18.820	ug/l		98
91) 1,2-Dichlorobenzene	13.866	146	102449	19.432	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10404	18.610	ug/l		95
93) 1,2,4-Trichlorobenzene	15.128	180	63033	19.386	ug/l		94
94) Hexachlorobutadiene	15.226	225	29695	18.913	ug/l		94
95) Naphthalene	15.354	128	146159	18.335	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	56085	18.772	ug/l		93

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

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

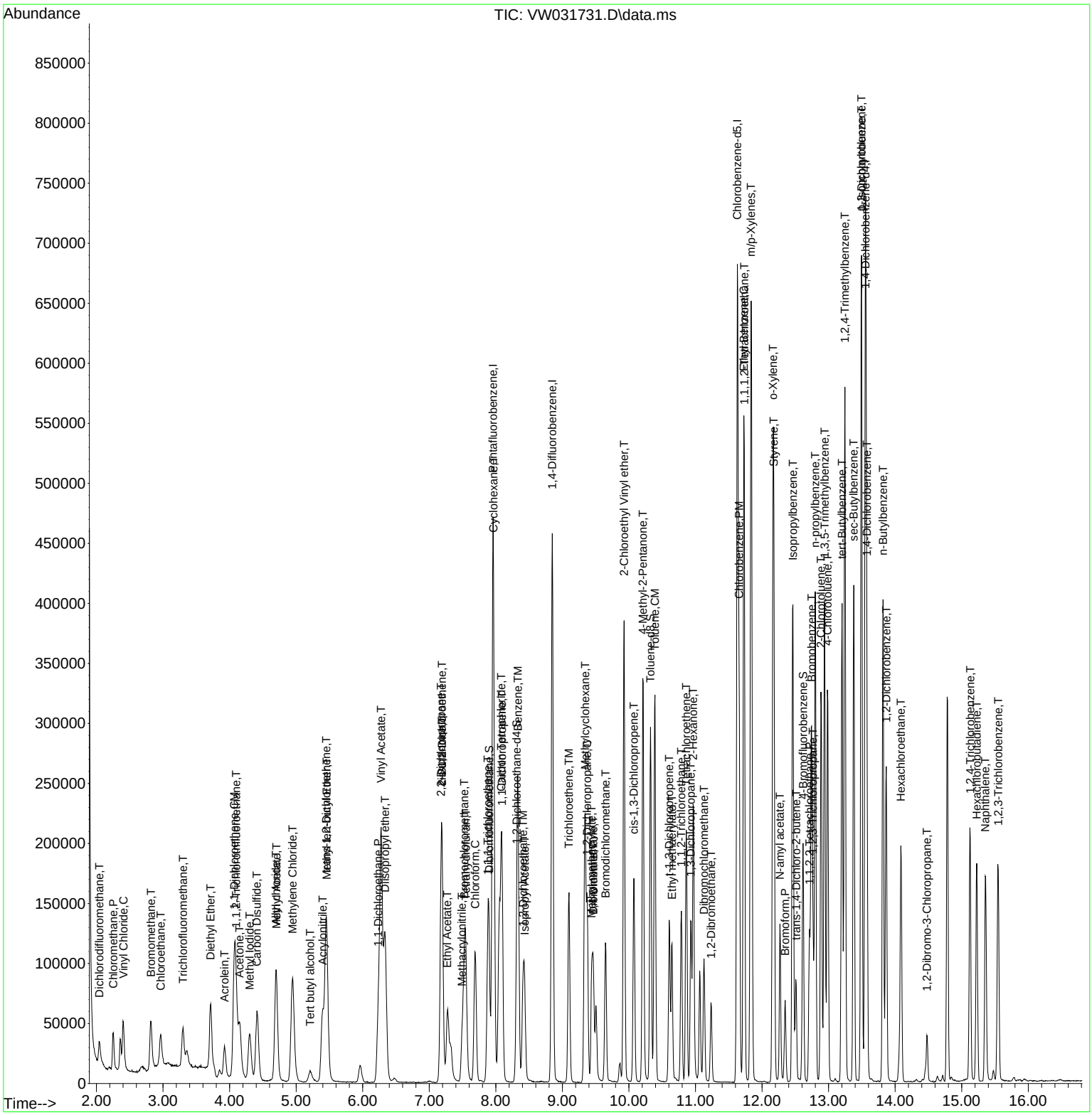
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	224452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	404902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	363615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	174347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160456	49.813	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.620%		
35) Dibromofluoromethane	7.904	113	131109	49.622	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.240%		
50) Toluene-d8	10.324	98	489286	49.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	99.520%		
62) 4-Bromofluorobenzene	12.617	95	180870	49.986	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	99.980%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.039	85	69611	45.539	ug/l	100
3) Chloromethane	2.253	50	84254	45.719	ug/l	100
4) Vinyl Chloride	2.405	62	115341	47.617	ug/l	100
5) Bromomethane	2.826	94	88903	46.990	ug/l	100
6) Chloroethane	2.972	64	77830	47.303	ug/l	100
7) Trichlorofluoromethane	3.307	101	105244	47.842	ug/l	100
8) Diethyl Ether	3.722	74	79864	47.778	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	114080	46.722	ug/l	100
10) Methyl Iodide	4.313	142	183075	48.636	ug/l	100
11) Tert butyl alcohol	5.216	59	52409	262.624	ug/l	100
12) 1,1-Dichloroethene	4.075	96	124737	46.640	ug/l	100
13) Acrolein	3.929	56	93443	260.524	ug/l	100
14) Allyl chloride	4.703	41	201014	48.986	ug/l	100
15) Acrylonitrile	5.398	53	214572	261.033	ug/l	100
16) Acetone	4.155	43	182890	228.296	ug/l	100
17) Carbon Disulfide	4.423	76	344867	48.188	ug/l	100
18) Methyl Acetate	4.710	43	118590	52.118	ug/l	100
19) Methyl tert-butyl Ether	5.459	73	231884	51.082	ug/l	100
20) Methylene Chloride	4.953	84	155350	48.806	ug/l	100
21) trans-1,2-Dichloroethene	5.459	96	137493	48.382	ug/l	100
22) Diisopropyl ether	6.343	45	402830	50.335	ug/l	100
23) Vinyl Acetate	6.282	43	1409763	257.896	ug/l	100
24) 1,1-Dichloroethane	6.246	63	250386	48.257	ug/l	100
25) 2-Butanone	7.191	43	279081	269.438	ug/l	100
26) 2,2-Dichloropropane	7.191	77	147400	48.691	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	160684	49.190	ug/l	100
28) Bromochloromethane	7.532	49	113190	49.435	ug/l	100
29) Tetrahydrofuran	7.550	42	188178	265.287	ug/l	100
30) Chloroform	7.691	83	270281	49.023	ug/l	100
31) Cyclohexane	7.971	56	210337	45.861	ug/l	100
32) 1,1,1-Trichloroethane	7.892	97	207721	48.890	ug/l	100
36) 1,1-Dichloropropene	8.093	75	184651	48.296	ug/l	100
37) Ethyl Acetate	7.276	43	122534	50.805	ug/l	100
38) Carbon Tetrachloride	8.081	117	186814	47.949	ug/l	100
39) Methylcyclohexane	9.343	83	229164	48.175	ug/l	100
40) Benzene	8.337	78	556688	49.213	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	70587	54.633	ug/l		100
42) 1,2-Dichloroethane	8.410	62	187709	49.111	ug/l		100
43) Isopropyl Acetate	8.434	43	216777	52.141	ug/l		100
44) Trichloroethene	9.099	130	139117	49.275	ug/l		100
45) 1,2-Dichloropropane	9.373	63	134070	49.040	ug/l		100
46) Dibromomethane	9.471	93	88721	50.266	ug/l		100
47) Bromodichloromethane	9.648	83	207001	50.013	ug/l		100
48) Methyl methacrylate	9.440	41	105740	51.725	ug/l		100
49) 1,4-Dioxane	9.465	88	20673	1100.195	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.215	43	633101	264.876	ug/l		100
52) Toluene	10.391	92	354627	48.965	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	201014	51.763	ug/l		100
54) cis-1,3-Dichloropropene	10.074	75	222288	50.493	ug/l		100
55) 1,1,2-Trichloroethane	10.788	97	115580	49.991	ug/l		100
56) Ethyl methacrylate	10.647	69	166152	52.971	ug/l		100
57) 1,3-Dichloropropane	10.934	76	198954	49.013	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	454721	263.272	ug/l		100
59) 2-Hexanone	10.971	43	444148	274.219	ug/l		100
60) Dibromochloromethane	11.129	129	142721	51.621	ug/l		100
61) 1,2-Dibromoethane	11.239	107	117287	50.674	ug/l		100
64) Tetrachloroethene	10.867	164	113995	47.928	ug/l		100
65) Chlorobenzene	11.659	112	386218	48.141	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	127147	49.734	ug/l		100
67) Ethyl Benzene	11.733	91	685367	49.266	ug/l		100
68) m/p-Xylenes	11.836	106	528971	98.914	ug/l		100
69) o-Xylene	12.165	106	247840	50.054	ug/l		100
70) Styrene	12.178	104	439641	51.360	ug/l		100
71) Bromoform	12.348	173	79452	52.095	ug/l		100
73) Isopropylbenzene	12.464	105	650607	49.059	ug/l		100
74) N-amyl acetate	12.269	43	185960	52.024	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	147025	49.936	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	113761m	50.492	ug/l		
77) Bromobenzene	12.745	156	136242	46.062	ug/l		100
78) n-propylbenzene	12.800	91	778125	48.998	ug/l		100
79) 2-Chlorotoluene	12.891	91	468001	48.939	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	549993	50.102	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	50770	52.485	ug/l		100
82) 4-Chlorotoluene	12.989	91	492034	49.008	ug/l		100
83) tert-Butylbenzene	13.202	119	455621	48.454	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	544366	48.943	ug/l		100
85) sec-Butylbenzene	13.379	105	695122	49.251	ug/l		100
86) p-Isopropyltoluene	13.495	119	570989	49.088	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	286670	48.328	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	296666	48.863	ug/l		100
89) n-Butylbenzene	13.818	91	553799	49.002	ug/l		100
90) Hexachloroethane	14.086	117	103194	49.175	ug/l		100
91) 1,2-Dichlorobenzene	13.866	146	274605	50.650	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29018	50.476	ug/l		100
93) 1,2,4-Trichlorobenzene	15.128	180	162674	48.652	ug/l		100
94) Hexachlorobutadiene	15.226	225	72238	44.742	ug/l		100
95) Naphthalene	15.354	128	417556	50.938	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	150212	48.893	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 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

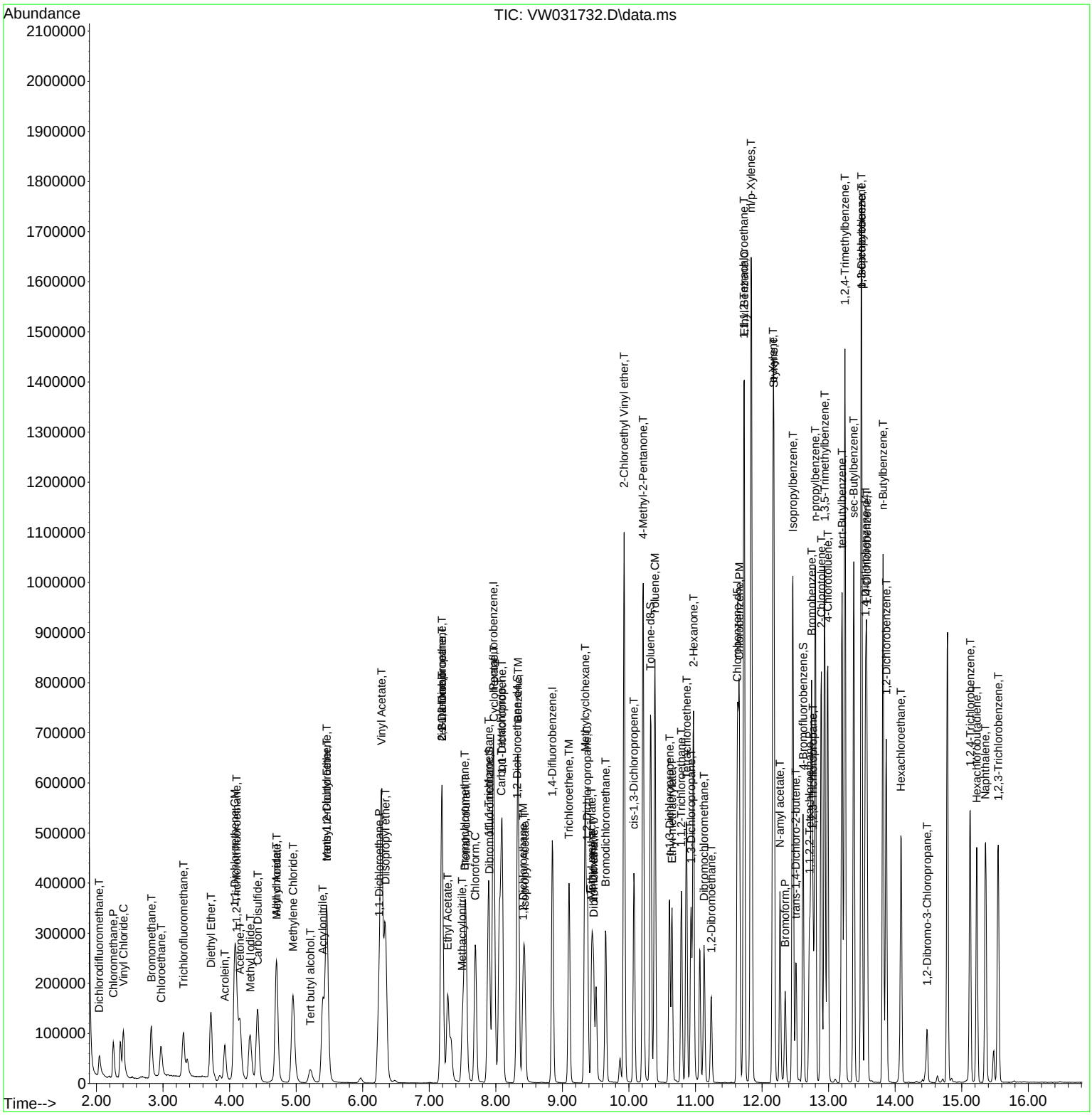
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	224702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	406265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	315303	97.777	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 195.560%#			
35) Dibromofluoromethane	7.898	113	265418	100.118	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 200.240%#			
50) Toluene-d8	10.325	98	998288	101.188	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 202.380%#			
62) 4-Bromofluorobenzene	12.617	95	365527	100.680	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 201.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	147738	96.542	ug/l	98
3) Chloromethane	2.253	50	182080	98.692	ug/l	99
4) Vinyl Chloride	2.405	62	244761	100.935	ug/l	97
5) Bromomethane	2.814	94	184987	97.666	ug/l	99
6) Chloroethane	2.966	64	161756	98.201	ug/l	99
7) Trichlorofluoromethane	3.296	101	209568	95.160	ug/l	99
8) Diethyl Ether	3.716	74	154043	92.052	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	232215	94.998	ug/l	99
10) Methyl Iodide	4.301	142	365954	97.112	ug/l	100
11) Tert butyl alcohol	5.210	59	97696	489.014	ug/l	96
12) 1,1-Dichloroethene	4.070	96	261103	97.519	ug/l	97
13) Acrolein	3.923	56	175125	487.715	ug/l	97
14) Allyl chloride	4.698	41	412947	100.521	ug/l	99
15) Acrylonitrile	5.393	53	405986	493.345	ug/l	99
16) Acetone	4.155	43	352601	439.652	ug/l	100
17) Carbon Disulfide	4.411	76	714624	99.742	ug/l	99
18) Methyl Acetate	4.698	43	209762	92.083	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	441477	97.146	ug/l	99
20) Methylene Chloride	4.942	84	294557	99.868	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	283611	99.689	ug/l	96
22) Diisopropyl ether	6.338	45	792929	98.968	ug/l	98
23) Vinyl Acetate	6.277	43	2799136	511.492	ug/l	100
24) 1,1-Dichloroethane	6.240	63	508118	97.821	ug/l	99
25) 2-Butanone	7.185	43	519074	500.581	ug/l	98
26) 2,2-Dichloropropane	7.179	77	288897	95.325	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	330910	101.187	ug/l	98
28) Bromochloromethane	7.526	49	224498	97.940	ug/l	98
29) Tetrahydrofuran	7.545	42	349502	492.168	ug/l	100
30) Chloroform	7.691	83	534507	96.841	ug/l	99
31) Cyclohexane	7.965	56	422261	91.965	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	407612	95.829	ug/l	99
36) 1,1-Dichloropropene	8.093	75	375878	97.982	ug/l	99
37) Ethyl Acetate	7.270	43	228624	94.474	ug/l	100
38) Carbon Tetrachloride	8.081	117	380387	97.306	ug/l	96
39) Methylcyclohexane	9.337	83	481270	100.834	ug/l	99
40) Benzene	8.331	78	1096371	96.598	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	131200	101.206	ug/l		98
42) 1,2-Dichloroethane	8.404	62	364585	95.068	ug/l		99
43) Isopropyl Acetate	8.429	43	417317	100.040	ug/l		99
44) Trichloroethene	9.099	130	273865	96.676	ug/l		96
45) 1,2-Dichloropropane	9.374	63	263216	95.956	ug/l		99
46) Dibromomethane	9.465	93	167767	94.732	ug/l		98
47) Bromodichloromethane	9.648	83	407715	98.177	ug/l		99
48) Methyl methacrylate	9.441	41	207070	100.953	ug/l		98
49) 1,4-Dioxane	9.459	88	39485	2094.300	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.209	43	1174822	489.871	ug/l		99
52) Toluene	10.386	92	710254	97.739	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	404225	103.743	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	444410	100.610	ug/l		95
55) 1,1,2-Trichloroethane	10.788	97	223115	96.178	ug/l		97
56) Ethyl methacrylate	10.642	69	326655	103.792	ug/l		98
57) 1,3-Dichloropropane	10.928	76	387413	95.120	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.922	63	907630	523.732	ug/l		99
59) 2-Hexanone	10.965	43	817133	502.809	ug/l		99
60) Dibromochloromethane	11.129	129	273293	98.517	ug/l		97
61) 1,2-Dibromoethane	11.233	107	222768	95.925	ug/l		99
64) Tetrachloroethene	10.861	164	236432	100.695	ug/l		94
65) Chlorobenzene	11.654	112	773712	97.693	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.727	131	252455	100.030	ug/l		98
67) Ethyl Benzene	11.727	91	1388600	101.112	ug/l		100
68) m/p-Xylenes	11.837	106	1077324	204.066	ug/l		98
69) o-Xylene	12.160	106	506083	103.535	ug/l		97
70) Styrene	12.178	104	865542	102.427	ug/l		99
71) Bromoform	12.349	173	154434	102.574	ug/l	#	97
73) Isopropylbenzene	12.459	105	1355736	107.286	ug/l		100
74) N-amyl acetate	12.270	43	363996	106.869	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	275439	98.180	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	205119m	95.544	ug/l		
77) Bromobenzene	12.739	156	294310	104.424	ug/l		86
78) n-propylbenzene	12.800	91	1572731	103.933	ug/l		99
79) 2-Chlorotoluene	12.885	91	930210	102.084	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1101203	105.277	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	99233	107.660	ug/l		98
82) 4-Chlorotoluene	12.983	91	963920	100.758	ug/l		100
83) tert-Butylbenzene	13.202	119	942890	105.234	ug/l		96
84) 1,2,4-Trimethylbenzene	13.245	105	1093757	103.202	ug/l		100
85) sec-Butylbenzene	13.379	105	1390528	103.396	ug/l		100
86) p-Isopropyltoluene	13.495	119	1168552	105.431	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	558538	98.818	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	576612	99.669	ug/l		97
89) n-Butylbenzene	13.818	91	1126053	104.566	ug/l		99
90) Hexachloroethane	14.092	117	211871	105.958	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	519347	100.530	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	55462	101.247	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	332108	104.240	ug/l		100
94) Hexachlorobutadiene	15.226	225	163909	106.542	ug/l		89
95) Naphthalene	15.360	128	867343	111.042	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	313738	107.170	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 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

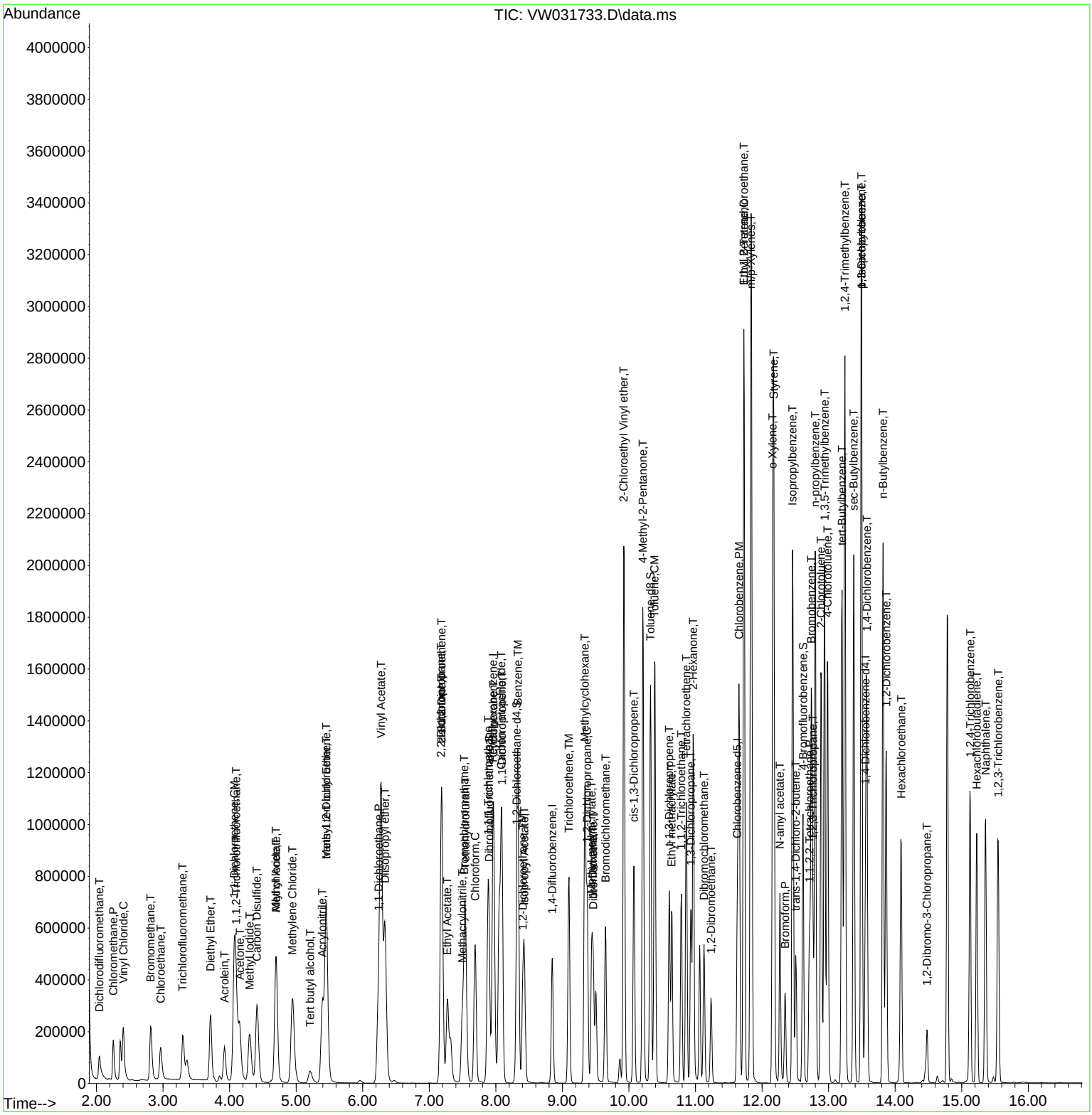
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	218767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	399414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	342661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	450859	143.606	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 287.220%#			
35) Dibromofluoromethane	7.898	113	374365	143.636	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 287.280%#			
50) Toluene-d8	10.325	98	1429859	147.419	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 294.840%#			
62) 4-Bromofluorobenzene	12.617	95	519559	145.561	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 291.120%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	230089	154.434	ug/l	100
3) Chloromethane	2.259	50	286265	159.372	ug/l	100
4) Vinyl Chloride	2.405	62	358412	151.812	ug/l	97
5) Bromomethane	2.814	94	274101	148.641	ug/l	97
6) Chloroethane	2.966	64	244261	152.312	ug/l	99
7) Trichlorofluoromethane	3.301	101	358255	167.089	ug/l	96
8) Diethyl Ether	3.716	74	223268	137.038	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	347651	146.081	ug/l	98
10) Methyl Iodide	4.301	142	539018	146.918	ug/l	100
11) Tert butyl alcohol	5.222	59	146727	754.362	ug/l	97
12) 1,1-Dichloroethene	4.070	96	386108	148.119	ug/l	95
13) Acrolein	3.929	56	257205	735.736	ug/l	96
14) Allyl chloride	4.704	41	619915	154.996	ug/l	98
15) Acrylonitrile	5.399	53	594796	742.391	ug/l	99
16) Acetone	4.155	43	473412	606.303	ug/l	99
17) Carbon Disulfide	4.417	76	1071989	153.680	ug/l	98
18) Methyl Acetate	4.704	43	318399	143.565	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	648742	146.627	ug/l	98
20) Methylene Chloride	4.954	84	411070	150.156	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	412998	149.107	ug/l	97
22) Diisopropyl ether	6.337	45	1161324	148.881	ug/l	98
23) Vinyl Acetate	6.283	43	4186413	785.745	ug/l	100
24) 1,1-Dichloroethane	6.246	63	756841	149.658	ug/l	99
25) 2-Butanone	7.191	43	776184	768.838	ug/l	98
26) 2,2-Dichloropropane	7.191	77	441320	149.570	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	485495	152.485	ug/l	99
28) Bromochloromethane	7.532	49	321043	143.858	ug/l	97
29) Tetrahydrofuran	7.551	42	517793	748.936	ug/l	99
30) Chloroform	7.691	83	792676	147.511	ug/l	97
31) Cyclohexane	7.971	56	643550	143.962	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	629664	152.050	ug/l	99
36) 1,1-Dichloropropene	8.093	75	559803	148.429	ug/l	99
37) Ethyl Acetate	7.270	43	341691	143.618	ug/l	100
38) Carbon Tetrachloride	8.087	117	580610	151.072	ug/l	97
39) Methylcyclohexane	9.343	83	741380	157.996	ug/l	99
40) Benzene	8.337	78	1642494	147.198	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	199650	156.650	ug/l		99
42) 1,2-Dichloroethane	8.410	62	533792	141.578	ug/l		99
43) Isopropyl Acetate	8.435	43	631057	153.874	ug/l		100
44) Trichloroethene	9.099	130	424322	152.358	ug/l		99
45) 1,2-Dichloropropane	9.373	63	390006	144.616	ug/l		98
46) Dibromomethane	9.465	93	251060	144.196	ug/l		99
47) Bromodichloromethane	9.648	83	610837	149.611	ug/l		99
48) Methyl methacrylate	9.441	41	306797	152.139	ug/l		99
49) 1,4-Dioxane	9.459	88	57850	3121.017	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.215	43	1721097	729.963	ug/l		99
52) Toluene	10.392	92	1076709	150.709	ug/l		95
53) t-1,3-Dichloropropene	10.605	75	598943	156.353	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	670647	154.433	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	326894	143.331	ug/l		97
56) Ethyl methacrylate	10.648	69	490690	158.587	ug/l		99
57) 1,3-Dichloropropane	10.934	76	570666	142.516	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	1297023	761.261	ug/l		100
59) 2-Hexanone	10.971	43	1192007	746.062	ug/l		99
60) Dibromochloromethane	11.129	129	413333	151.554	ug/l		98
61) 1,2-Dibromoethane	11.233	107	336847	147.535	ug/l		98
64) Tetrachloroethene	10.867	164	353130	157.549	ug/l		92
65) Chlorobenzene	11.660	112	1150958	152.237	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	375280	155.768	ug/l		99
67) Ethyl Benzene	11.733	91	2044338	155.940	ug/l		94
68) m/p-Xylenes	11.836	106	1571204	311.770	ug/l		98
69) o-Xylene	12.166	106	743731	159.389	ug/l		99
70) Styrene	12.178	104	1266593	157.015	ug/l		99
71) Bromoform	12.349	173	229439	159.639	ug/l	#	98
73) Isopropylbenzene	12.464	105	1956819	162.971	ug/l		99
74) N-amyl acetate	12.269	43	535843	165.571	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	403490	151.363	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	308804m	151.382	ug/l		
77) Bromobenzene	12.745	156	427085	159.479	ug/l		88
78) n-propylbenzene	12.800	91	2324539	161.670	ug/l		100
79) 2-Chlorotoluene	12.891	91	1366267	157.800	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1593533	160.332	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	146143	166.866	ug/l		98
82) 4-Chlorotoluene	12.989	91	1410360	155.153	ug/l		98
83) tert-Butylbenzene	13.202	119	1418313	166.594	ug/l		96
84) 1,2,4-Trimethylbenzene	13.251	105	1609766	159.853	ug/l		99
85) sec-Butylbenzene	13.379	105	2077110	162.545	ug/l		99
86) p-Isopropyltoluene	13.495	119	1725089	163.804	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	815863	151.913	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	826448	150.344	ug/l		96
89) n-Butylbenzene	13.818	91	1662481	162.473	ug/l		99
90) Hexachloroethane	14.092	117	319664	168.248	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	740320	150.818	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	82484	158.471	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	486869	160.827	ug/l		97
94) Hexachlorobutadiene	15.226	225	231652	158.470	ug/l		93
95) Naphthalene	15.360	128	1256199	169.258	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	438342	157.584	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 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

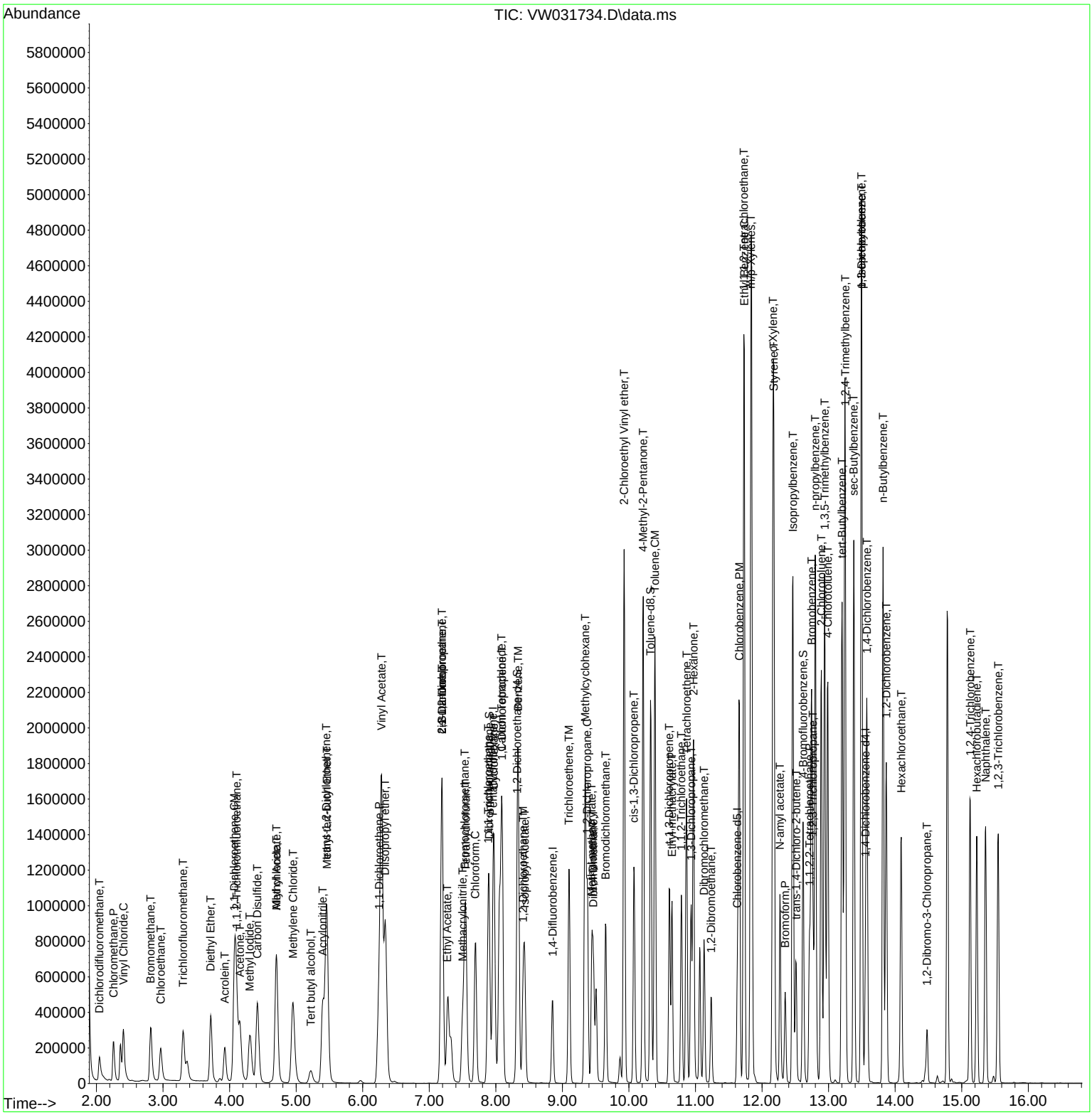
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	228661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	405093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	163826	49.923	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 99.840%			
35) Dibromofluoromethane	7.898	113	129810	49.107	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.220%			
50) Toluene-d8	10.324	98	497288	50.552	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.617	95	189206	52.265	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	79725	51.196	ug/l	99
3) Chloromethane	2.253	50	96206	51.243	ug/l	98
4) Vinyl Chloride	2.405	62	129034	52.290	ug/l	98
5) Bromomethane	2.820	94	94589	49.075	ug/l	100
6) Chloroethane	2.966	64	85126	50.785	ug/l	98
7) Trichlorofluoromethane	3.301	101	102813	45.877	ug/l	99
8) Diethyl Ether	3.716	74	85549	50.236	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	127184	51.130	ug/l	99
10) Methyl Iodide	4.307	142	196219	51.168	ug/l	99
11) Tert butyl alcohol	5.216	59	55596	273.466	ug/l	98
12) 1,1-Dichloroethene	4.069	96	139112	51.057	ug/l	95
13) Acrolein	3.923	56	87032	238.183	ug/l	97
14) Allyl chloride	4.697	41	223623	53.493	ug/l	99
15) Acrylonitrile	5.392	53	220336	263.111	ug/l	99
16) Acetone	4.155	43	207587	255.933	ug/l	99
17) Carbon Disulfide	4.417	76	372415	51.079	ug/l	99
18) Methyl Acetate	4.704	43	110627	47.723	ug/l	99
19) Methyl tert-butyl Ether	5.453	73	249430	53.936	ug/l	99
20) Methylene Chloride	4.947	84	165907	51.478	ug/l	99
21) trans-1,2-Dichloroethene	5.453	96	150128	51.856	ug/l	96
22) Diisopropyl ether	6.331	45	435531	53.419	ug/l	95
23) Vinyl Acetate	6.276	43	1558241	279.810	ug/l	98
24) 1,1-Dichloroethane	6.240	63	275659	52.150	ug/l	98
25) 2-Butanone	7.191	43	295677	280.206	ug/l	96
26) 2,2-Dichloropropane	7.179	77	158098	51.263	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	175371	52.697	ug/l	100
28) Bromochloromethane	7.526	49	118204	50.675	ug/l	99
29) Tetrahydrofuran	7.544	42	197209	272.901	ug/l	99
30) Chloroform	7.691	83	291107	51.829	ug/l	99
31) Cyclohexane	7.965	56	235145	50.326	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	226937	52.429	ug/l	99
36) 1,1-Dichloropropene	8.093	75	207537	54.256	ug/l	99
37) Ethyl Acetate	7.264	43	135668	56.224	ug/l	99
38) Carbon Tetrachloride	8.081	117	211131	54.165	ug/l	99
39) Methylcyclohexane	9.337	83	261262	54.897	ug/l	99
40) Benzene	8.331	78	600684	53.078	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	76710	59.345	ug/l		97
42) 1,2-Dichloroethane	8.410	62	201420	52.674	ug/l		99
43) Isopropyl Acetate	8.435	43	234518	56.382	ug/l		99
44) Trichloroethene	9.099	130	147985	52.391	ug/l		99
45) 1,2-Dichloropropane	9.373	63	142562	52.122	ug/l		95
46) Dibromomethane	9.465	93	92714	52.504	ug/l		98
47) Bromodichloromethane	9.648	83	222794	53.804	ug/l		99
48) Methyl methacrylate	9.440	41	119156	58.260	ug/l		94
49) 1,4-Dioxane	9.465	88	21984	1062.966	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.209	43	667473	279.124	ug/l		100
52) Toluene	10.392	92	394923	54.503	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	217762	56.049	ug/l		96
54) cis-1,3-Dichloropropene	10.074	75	242935	55.157	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	124548	53.844	ug/l		98
56) Ethyl methacrylate	10.648	69	182604	58.189	ug/l		98
57) 1,3-Dichloropropane	10.934	76	211062	51.971	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.922	63	486398	281.479	ug/l		97
59) 2-Hexanone	10.971	43	458136	282.722	ug/l		100
60) Dibromochloromethane	11.129	129	149294	53.973	ug/l		98
61) 1,2-Dibromoethane	11.233	107	123748	53.440	ug/l		96
64) Tetrachloroethene	10.861	164	120824	52.421	ug/l		95
65) Chlorobenzene	11.653	112	423257	54.443	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.727	131	141650	57.176	ug/l		94
67) Ethyl Benzene	11.727	91	757105	56.161	ug/l		99
68) m/p-Xylenes	11.836	106	590281	113.903	ug/l		98
69) o-Xylene	12.166	106	274498	57.208	ug/l		98
70) Styrene	12.178	104	469288	56.574	ug/l		99
71) Bromoform	12.348	173	86209	58.331	ug/l		99
73) Isopropylbenzene	12.458	105	715943	54.594	ug/l		99
74) N-amyl acetate	12.269	43	207540	58.715	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	157354	54.047	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	118399m	53.142	ug/l		
77) Bromobenzene	12.745	156	164306	56.175	ug/l		85
78) n-propylbenzene	12.800	91	868816	55.325	ug/l		100
79) 2-Chlorotoluene	12.891	91	515508	54.514	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	610714	56.260	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	54787	57.276	ug/l		97
82) 4-Chlorotoluene	12.983	91	528072	53.189	ug/l		99
83) tert-Butylbenzene	13.202	119	502105	53.999	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	602889	54.815	ug/l		99
85) sec-Butylbenzene	13.379	105	773900	55.450	ug/l		100
86) p-Isopropyltoluene	13.495	119	639419	55.591	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	321218	54.762	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	316827	52.771	ug/l		97
89) n-Butylbenzene	13.818	91	630792	56.443	ug/l		100
90) Hexachloroethane	14.086	117	116309	56.049	ug/l		99
91) 1,2-Dichlorobenzene	13.866	146	290975	54.274	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30797	54.174	ug/l		99
93) 1,2,4-Trichlorobenzene	15.122	180	190916	57.742	ug/l		97
94) Hexachlorobutadiene	15.226	225	92237	57.772	ug/l		91
95) Naphthalene	15.354	128	461350	56.915	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	174283	57.366	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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

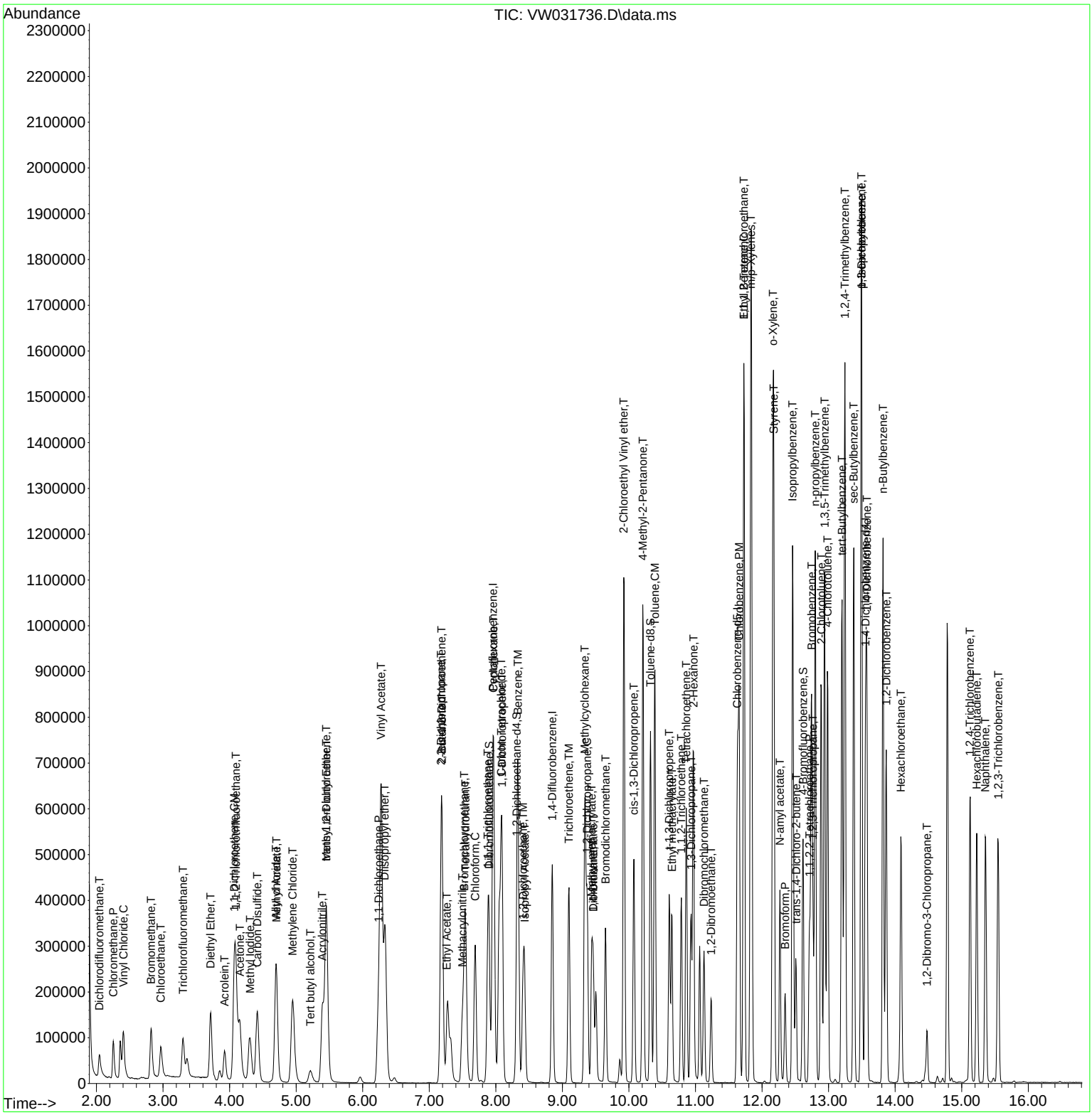
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2	T	Dichlorodifluoromethane	0.341	0.349	-2.3	115	0.00
3	P	Chloromethane	0.411	0.421	-2.4	114	0.00
4	C	Vinyl Chloride	0.540	0.564	-4.4#	112	0.00
5	T	Bromomethane	0.421	0.414	1.7	106	0.00
6	T	Chloroethane	0.367	0.372	-1.4	109	0.00
7	T	Trichlorofluoromethane	0.490	0.450	8.2	98	0.00
8	T	Diethyl Ether	0.372	0.374	-0.5	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.544	0.556	-2.2	111	-0.01
10	T	Methyl Iodide	0.839	0.858	-2.3	107	0.00
11	T	Tert butyl alcohol	0.044	0.049	-11.4	106	0.00
12	CM	1,1-Dichloroethene	0.596	0.608	-2.0#	112	0.00
13	T	Acrolein	0.080	0.076	5.0	93	0.00
14	T	Allyl chloride	0.914	0.978	-7.0	111	0.00
15	T	Acrylonitrile	0.183	0.193	-5.5	103	0.00
16	T	Acetone	0.177	0.182	-2.8	114	0.00
17	T	Carbon Disulfide	1.594	1.629	-2.2	108	0.00
18	T	Methyl Acetate	0.507	0.484	4.5	93	0.00
19	T	Methyl tert-butyl Ether	1.011	1.091	-7.9	108	0.00
20	T	Methylene Chloride	0.814	0.726	10.8	107	0.00
21	T	trans-1,2-Dichloroethene	0.633	0.657	-3.8	109	0.00
22	T	Diisopropyl ether	1.783	1.905	-6.8	108	-0.01
23	T	Vinyl Acetate	1.218	1.363	-11.9	111	0.00
24	P	1,1-Dichloroethane	1.156	1.206	-4.3	110	0.00
25	T	2-Butanone	0.231	0.259	-12.1	106	0.00
26	T	2,2-Dichloropropane	0.674	0.691	-2.5	107	-0.01
27	T	cis-1,2-Dichloroethene	0.728	0.767	-5.4	109	0.00
28	T	Bromochloromethane	0.510	0.517	-1.4	104	0.00
29	T	Tetrahydrofuran	0.158	0.172	-8.9	105	0.00
30	C	Chloroform	1.228	1.273	-3.7#	108	0.00
31	T	Cyclohexane	1.022	1.028	-0.6	112	0.00
32	T	1,1,1-Trichloroethane	0.946	0.992	-4.9	109	-0.01
33	S	1,2-Dichloroethane-d4	0.718	0.716	0.3	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.326	0.320	1.8	99	0.00
36	T	1,1-Dichloropropene	0.472	0.512	-8.5	112	0.00
37	T	Ethyl Acetate	0.298	0.335	-12.4	111	-0.01
38	T	Carbon Tetrachloride	0.481	0.521	-8.3	113	0.00
39	T	Methylcyclohexane	0.587	0.645	-9.9	114	0.00
40	TM	Benzene	1.397	1.483	-6.2	108	0.00
41	T	Methacrylonitrile	0.160	0.189	-18.1	109	0.00
42	TM	1,2-Dichloroethane	0.472	0.497	-5.3	107	0.00
43	T	Isopropyl Acetate	0.513	0.579	-12.9	108	0.00
44	TM	Trichloroethene	0.349	0.365	-4.6	106	0.00
45	C	1,2-Dichloropropane	0.338	0.352	-4.1#	106	0.00
46	T	Dibromomethane	0.218	0.229	-5.0	105	0.00
47	T	Bromodichloromethane	0.511	0.550	-7.6	108	0.00
48	T	Methyl methacrylate	0.252	0.294	-16.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.003	0.003	0.0	106	0.00
50	S	Toluene-d8	1.214	1.228	-1.2	102	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.330	-11.9	105	0.00
52	CM	Toluene	0.894	0.975	-9.1#	111	0.00
53	T	t-1,3-Dichloropropene	0.480	0.538	-12.1	108	0.00
54	T	cis-1,3-Dichloropropene	0.544	0.600	-10.3	109	0.00
55	T	1,1,2-Trichloroethane	0.286	0.307	-7.3	108	0.00
56	T	Ethyl methacrylate	0.387	0.451	-16.5	110	0.00
57	T	1,3-Dichloropropane	0.501	0.521	-4.0	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.240	-12.7	107	0.00
59	T	2-Hexanone	0.200	0.226	-13.0	103	0.00
60	T	Dibromochloromethane	0.341	0.369	-8.2	105	0.00
61	T	1,2-Dibromoethane	0.286	0.305	-6.6	106	0.00
62	S	4-Bromofluorobenzene	0.447	0.467	-4.5	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.327	0.343	-4.9	106	0.00
65	PM	Chlorobenzene	1.103	1.201	-8.9	110	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.402	-14.2	111	0.00
67	C	Ethyl Benzene	1.913	2.149	-12.3#	110	0.00
68	T	m/p-Xylenes	0.735	0.838	-14.0	112	0.00
69	T	o-Xylene	0.681	0.779	-14.4	111	0.00
70	T	Styrene	1.177	1.332	-13.2	107	0.00
71	P	Bromoform	0.210	0.245	-16.7	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.803	4.153	-9.2	110	0.00
74	T	N-amyl acetate	1.025	1.204	-17.5	112	0.00
75	P	1,1,2,2-Tetrachloroethane	0.844	0.913	-8.2	107	0.00
76	T	1,2,3-Trichloropropane	0.646	0.687	-6.3	104	0.00
77	T	Bromobenzene	0.848	0.953	-12.4	121	0.00
78	T	n-propylbenzene	4.554	5.039	-10.6	112	0.00
79	T	2-Chlorotoluene	2.743	2.990	-9.0	110	0.00
80	T	1,3,5-Trimethylbenzene	3.148	3.542	-12.5	111	0.00
81	T	trans-1,4-Dichloro-2-butene	0.277	0.318	-14.8	108	0.00
82	T	4-Chlorotoluene	2.879	3.063	-6.4	107	0.00
83	T	tert-Butylbenzene	2.697	2.912	-8.0	110	0.00
84	T	1,2,4-Trimethylbenzene	3.190	3.497	-9.6	111	0.00
85	T	sec-Butylbenzene	4.048	4.489	-10.9	111	0.00
86	T	p-Isopropyltoluene	3.336	3.709	-11.2	112	0.00
87	T	1,3-Dichlorobenzene	1.701	1.863	-9.5	112	0.00
88	T	1,4-Dichlorobenzene	1.741	1.838	-5.6	107	0.00
89	T	n-Butylbenzene	3.241	3.659	-12.9	114	0.00
90	T	Hexachloroethane	0.602	0.675	-12.1	113	0.00
91	T	1,2-Dichlorobenzene	1.555	1.688	-8.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.165	0.179	-8.5	106	0.00
93	T	1,2,4-Trichlorobenzene	0.959	1.107	-15.4	117	0.00
94	T	Hexachlorobutadiene	0.463	0.535	-15.6	128	0.00
95	T	Naphthalene	2.351	2.676	-13.8	110	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.881	1.011	-14.8	116	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_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2	T	Dichlorodifluoromethane	50.000	51.196	-2.4	115	0.00
3	P	Chloromethane	50.000	51.243	-2.5	114	0.00
4	C	Vinyl Chloride	50.000	52.290	-4.6#	112	0.00
5	T	Bromomethane	50.000	49.075	1.8	106	0.00
6	T	Chloroethane	50.000	50.785	-1.6	109	0.00
7	T	Trichlorofluoromethane	50.000	45.877	8.2	98	0.00
8	T	Diethyl Ether	50.000	50.236	-0.5	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.130	-2.3	111	-0.01
10	T	Methyl Iodide	50.000	51.168	-2.3	107	0.00
11	T	Tert butyl alcohol	250.000	273.466	-9.4	106	0.00
12	CM	1,1-Dichloroethene	50.000	51.057	-2.1#	112	0.00
13	T	Acrolein	250.000	238.183	4.7	93	0.00
14	T	Allyl chloride	50.000	53.493	-7.0	111	0.00
15	T	Acrylonitrile	250.000	263.111	-5.2	103	0.00
16	T	Acetone	250.000	255.933	-2.4	114	0.00
17	T	Carbon Disulfide	50.000	51.079	-2.2	108	0.00
18	T	Methyl Acetate	50.000	47.723	4.6	93	0.00
19	T	Methyl tert-butyl Ether	50.000	53.936	-7.9	108	0.00
20	T	Methylene Chloride	50.000	51.478	-3.0	107	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.856	-3.7	109	0.00
22	T	Diisopropyl ether	50.000	53.419	-6.8	108	-0.01
23	T	Vinyl Acetate	250.000	279.810	-11.9	111	0.00
24	P	1,1-Dichloroethane	50.000	52.150	-4.3	110	0.00
25	T	2-Butanone	250.000	280.206	-12.1	106	0.00
26	T	2,2-Dichloropropane	50.000	51.263	-2.5	107	-0.01
27	T	cis-1,2-Dichloroethene	50.000	52.697	-5.4	109	0.00
28	T	Bromochloromethane	50.000	50.675	-1.3	104	0.00
29	T	Tetrahydrofuran	250.000	272.901	-9.2	105	0.00
30	C	Chloroform	50.000	51.829	-3.7#	108	0.00
31	T	Cyclohexane	50.000	50.326	-0.7	112	0.00
32	T	1,1,1-Trichloroethane	50.000	52.429	-4.9	109	-0.01
33	S	1,2-Dichloroethane-d4	50.000	49.923	0.2	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	49.107	1.8	99	0.00
36	T	1,1-Dichloropropene	50.000	54.256	-8.5	112	0.00
37	T	Ethyl Acetate	50.000	56.224	-12.4	111	-0.01
38	T	Carbon Tetrachloride	50.000	54.165	-8.3	113	0.00
39	T	Methylcyclohexane	50.000	54.897	-9.8	114	0.00
40	TM	Benzene	50.000	53.078	-6.2	108	0.00
41	T	Methacrylonitrile	50.000	59.345	-18.7	109	0.00
42	TM	1,2-Dichloroethane	50.000	52.674	-5.3	107	0.00
43	T	Isopropyl Acetate	50.000	56.382	-12.8	108	0.00
44	TM	Trichloroethene	50.000	52.391	-4.8	106	0.00
45	C	1,2-Dichloropropane	50.000	52.122	-4.2#	106	0.00
46	T	Dibromomethane	50.000	52.504	-5.0	105	0.00
47	T	Bromodichloromethane	50.000	53.804	-7.6	108	0.00
48	T	Methyl methacrylate	50.000	58.260	-16.5	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	1062.966	-6.3	106	0.00
50	S	Toluene-d8	50.000	50.552	-1.1	102	0.00
51	T	4-Methyl-2-Pentanone	250.000	279.124	-11.6	105	0.00
52	CM	Toluene	50.000	54.503	-9.0#	111	0.00
53	T	t-1,3-Dichloropropene	50.000	56.049	-12.1	108	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.157	-10.3	109	0.00
55	T	1,1,2-Trichloroethane	50.000	53.844	-7.7	108	0.00
56	T	Ethyl methacrylate	50.000	58.189	-16.4	110	0.00
57	T	1,3-Dichloropropane	50.000	51.971	-3.9	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	281.479	-12.6	107	0.00
59	T	2-Hexanone	250.000	282.722	-13.1	103	0.00
60	T	Dibromochloromethane	50.000	53.973	-7.9	105	0.00
61	T	1,2-Dibromoethane	50.000	53.440	-6.9	106	0.00
62	S	4-Bromofluorobenzene	50.000	52.265	-4.5	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	52.421	-4.8	106	0.00
65	PM	Chlorobenzene	50.000	54.443	-8.9	110	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.176	-14.4	111	0.00
67	C	Ethyl Benzene	50.000	56.161	-12.3#	110	0.00
68	T	m/p-Xylenes	100.000	113.903	-13.9	112	0.00
69	T	o-Xylene	50.000	57.208	-14.4	111	0.00
70	T	Styrene	50.000	56.574	-13.1	107	0.00
71	P	Bromoform	50.000	58.331	-16.7	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	54.594	-9.2	110	0.00
74	T	N-amyl acetate	50.000	58.715	-17.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.047	-8.1	107	0.00
76	T	1,2,3-Trichloropropane	50.000	53.142	-6.3	104	0.00
77	T	Bromobenzene	50.000	56.175	-12.3	121	0.00
78	T	n-propylbenzene	50.000	55.325	-10.7	112	0.00
79	T	2-Chlorotoluene	50.000	54.514	-9.0	110	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.260	-12.5	111	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.276	-14.6	108	0.00
82	T	4-Chlorotoluene	50.000	53.189	-6.4	107	0.00
83	T	tert-Butylbenzene	50.000	53.999	-8.0	110	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.815	-9.6	111	0.00
85	T	sec-Butylbenzene	50.000	55.450	-10.9	111	0.00
86	T	p-Isopropyltoluene	50.000	55.591	-11.2	112	0.00
87	T	1,3-Dichlorobenzene	50.000	54.762	-9.5	112	0.00
88	T	1,4-Dichlorobenzene	50.000	52.771	-5.5	107	0.00
89	T	n-Butylbenzene	50.000	56.443	-12.9	114	0.00
90	T	Hexachloroethane	50.000	56.049	-12.1	113	0.00
91	T	1,2-Dichlorobenzene	50.000	54.274	-8.5	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.174	-8.3	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	57.742	-15.5	117	0.00
94	T	Hexachlorobutadiene	50.000	57.772	-15.5	128	0.00
95	T	Naphthalene	50.000	56.915	-13.8	110	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	57.366	-14.7	116	0.00

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

Raw Data: **VW031817.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: Alliance
Contract: ENTA05
Lab Code: ACE
SDG No.: Q2580
Instrument ID: MSVOA_W
Calibration Date/Time: 07/11/2025 11:50
Lab File ID: VW031817.D
Init. Calib. Date(s): 06/30/2025 06/30/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:54 12:55
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.341	0.317		-7.04	20
Chloromethane	0.411	0.426	0.1	3.65	20
Vinyl Chloride	0.540	0.586		8.52	20
Bromomethane	0.421	0.439		4.28	20
Chloroethane	0.367	0.395		7.63	20
Trichlorofluoromethane	0.490	0.460		-6.12	20
1,1,2-Trichlorotrifluoroethane	0.544	0.585		7.54	20
1,1-Dichloroethene	0.596	0.663		11.24	20
Acetone	0.177	0.144		-18.64	20
Carbon Disulfide	1.594	1.657		3.95	20
Methyl tert-butyl Ether	1.011	1.133		12.07	20
Methyl Acetate	0.507	0.557		9.86	20
Methylene Chloride	0.814	0.863		6.02	20
trans-1,2-Dichloroethene	0.633	0.719		13.59	20
1,1-Dichloroethane	1.156	1.343	0.1	16.18	20
Cyclohexane	1.022	1.071		4.8	20
2-Butanone	0.231	0.233		0.87	20
Carbon Tetrachloride	0.481	0.485		0.83	20
cis-1,2-Dichloroethene	0.728	0.864		18.68	20
Bromochloromethane	0.510	0.566		10.98	20
Chloroform	1.228	1.450		18.08	20
1,1,1-Trichloroethane	0.946	1.029		8.77	20
Methylcyclohexane	0.587	0.620		5.62	20
Benzene	1.397	1.598		14.39	20
1,2-Dichloroethane	0.472	0.517		9.53	20
Trichloroethene	0.349	0.365		4.59	20
1,2-Dichloropropane	0.338	0.390		15.39	20
Bromodichloromethane	0.511	0.577		12.92	20
4-Methyl-2-Pentanone	0.295	0.296		0.34	20
Toluene	0.894	1.026		14.77	20
t-1,3-Dichloropropene	0.480	0.535		11.46	20
cis-1,3-Dichloropropene	0.544	0.604		11.03	20
1,1,2-Trichloroethane	0.286	0.319		11.54	20
2-Hexanone	0.200	0.201		0.5	20
Dibromochloromethane	0.341	0.380		11.44	20
1,2-Dibromoethane	0.286	0.299		4.55	20
Tetrachloroethene	0.327	0.306		-6.42	20
Chlorobenzene	1.103	1.199	0.3	8.7	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: **VW031817.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	ENTA05
Lab Code:	ACE	SDG No.:	Q2580
Instrument ID:	MSVOA_W	Calibration Date/Time:	07/11/2025 11:50
Lab File ID:	VW031817.D	Init. Calib. Date(s):	06/30/2025 06/30/2025
Heated Purge: (Y/N)	Y	Init. Calib. Time(s):	09:54 12:55

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.913	2.062		7.79	20
m/p-Xylenes	0.735	0.821		11.7	20
o-Xylene	0.681	0.770		13.07	20
Styrene	1.177	1.336		13.51	20
Bromoform	0.210	0.201	0.1	-4.29	20
Isopropylbenzene	3.803	4.196		10.33	20
1,1,2,2-Tetrachloroethane	0.844	0.873	0.3	3.44	20
1,3-Dichlorobenzene	1.701	1.892		11.23	20
1,4-Dichlorobenzene	1.741	1.883		8.16	20
1,2-Dichlorobenzene	1.555	1.729		11.19	20
1,2-Dibromo-3-Chloropropane	0.165	0.150		-9.09	20
1,2,4-Trichlorobenzene	0.959	0.986		2.82	20
1,2,3-Trichlorobenzene	0.881	0.950		7.83	20
1,2-Dichloroethane-d4	0.718	0.778		8.36	20
Dibromofluoromethane	0.326	0.338		3.68	20
Toluene-d8	1.214	1.286		5.93	20
4-Bromofluorobenzene	0.447	0.474		6.04	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_W\Data\VW071125\
Data File : VW031817.D
Acq On : 11 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 00:20:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
07/14/2025
Supervised By :Semsettin Yesilyurt
07/14/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.959	168	198972	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	375996	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.635	117	344776	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160985	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.319	65	154777	54.204 ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 108.400%		
35) Dibromofluoromethane	7.898	113	126997	51.761 ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.520%		
50) Toluene-d8	10.325	98	483433	52.947 ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 105.900%		
62) 4-Bromofluorobenzene	12.617	95	178346	53.078 ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 106.160%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.046	85	62975	46.474 ug/l	98
3) Chloromethane	2.259	50	84696	51.844 ug/l	97
4) Vinyl Chloride	2.405	62	116664	54.331 ug/l	96
5) Bromomethane	2.832	94	87379	52.098 ug/l	94
6) Chloroethane	2.978	64	78666	53.933 ug/l	96
7) Trichlorofluoromethane	3.307	101	91498	46.920 ug/l	99
8) Diethyl Ether	3.722	74	83594	56.413 ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.106	101	116351	53.754 ug/l	99
10) Methyl Iodide	4.313	142	176749	52.968 ug/l	100
11) Tert butyl alcohol	5.216	59	38523	217.761 ug/l	95
12) 1,1-Dichloroethene	4.082	96	132014	55.682 ug/l	91
13) Acrolein	3.935	56	50709	159.484 ug/l	98
14) Allyl chloride	4.704	41	204615	56.249 ug/l	98
15) Acrylonitrile	5.399	53	183890	252.355 ug/l	100
16) Acetone	4.161	43	143499	203.318 ug/l	99
17) Carbon Disulfide	4.423	76	329603	51.953 ug/l	97
18) Methyl Acetate	4.710	43	110834	54.947 ug/l	98
19) Methyl tert-butyl Ether	5.466	73	225422	56.018 ug/l	99
20) Methylene Chloride	4.954	84	171631	62.531 ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	143094	56.802 ug/l	97
22) Diisopropyl ether	6.337	45	438162	61.761 ug/l	97
23) Vinyl Acetate	6.283	43	1346601	277.887 ug/l	98
24) 1,1-Dichloroethane	6.246	63	267209	58.094 ug/l	100
25) 2-Butanone	7.191	43	231508	252.131 ug/l	99
26) 2,2-Dichloropropane	7.185	77	133558	49.768 ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	171959	59.382 ug/l	99
28) Bromochloromethane	7.532	49	112694	55.522 ug/l	98
29) Tetrahydrofuran	7.551	42	159477	253.616 ug/l	99
30) Chloroform	7.697	83	288423	59.013 ug/l	95
31) Cyclohexane	7.971	56	213168	52.430 ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	204744	54.360 ug/l	99
36) 1,1-Dichloropropene	8.093	75	194843	54.879 ug/l	99
37) Ethyl Acetate	7.276	43	109277	48.792 ug/l	99
38) Carbon Tetrachloride	8.081	117	182386	50.412 ug/l	100
39) Methylcyclohexane	9.343	83	233224	52.798 ug/l	98
40) Benzene	8.337	78	600782	57.195 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031817.D
Acq On : 11 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 00:20:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
07/14/2025
Supervised By :Semsettin Yesilyurt
07/14/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.502	41	61844	51.546 ug/l	98
42) 1,2-Dichloroethane	8.410	62	194499	54.800 ug/l	99
43) Isopropyl Acetate	8.435	43	195479	50.633 ug/l	97
44) Trichloroethene	9.105	130	137328	52.380 ug/l	98
45) 1,2-Dichloropropane	9.373	63	146769	57.812 ug/l	100
46) Dibromomethane	9.465	93	90289	55.087 ug/l	94
47) Bromodichloromethane	9.654	83	217029	56.467 ug/l	98
48) Methyl methacrylate	9.441	41	95291	50.197 ug/l	99
49) 1,4-Dioxane	9.459	88	19115	995.768 ug/l #	97
51) 4-Methyl-2-Pentanone	10.215	43	557345	251.107 ug/l	100
52) Toluene	10.392	92	385851	57.372 ug/l	97
53) t-1,3-Dichloropropene	10.605	75	201106	55.768 ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	226918	55.508 ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	120020	55.902 ug/l	96
56) Ethyl methacrylate	10.648	69	165136	56.695 ug/l	97
57) 1,3-Dichloropropane	10.934	76	211630	56.144 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	420031	261.883 ug/l	97
59) 2-Hexanone	10.971	43	378302	251.521 ug/l	100
60) Dibromochloromethane	11.129	129	142988	55.694 ug/l	99
61) 1,2-Dibromoethane	11.233	107	112557	52.369 ug/l	99
64) Tetrachloroethene	10.867	164	105360	46.718 ug/l	86
65) Chlorobenzene	11.654	112	413332	54.336 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	131174	54.113 ug/l	98
67) Ethyl Benzene	11.727	91	710907	53.894 ug/l	98
68) m/p-Xylenes	11.836	106	566179	111.656 ug/l	98
69) o-Xylene	12.166	106	265395	56.528 ug/l	97
70) Styrene	12.178	104	460466	56.732 ug/l	99
71) Bromoform	12.349	173	69356	47.961 ug/l #	99
73) Isopropylbenzene	12.458	105	675485	55.162 ug/l	100
74) N-amyl acetate	12.269	43	175622	53.210 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	140579	51.710 ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	108220m	52.019 ug/l	
77) Bromobenzene	12.745	156	147643	54.059 ug/l	95
78) n-propylbenzene	12.800	91	833721	56.857 ug/l	97
79) 2-Chlorotoluene	12.891	91	508849	57.627 ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	577037	56.929 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	43852	49.096 ug/l	94
82) 4-Chlorotoluene	12.983	91	522197	56.329 ug/l	99
83) tert-Butylbenzene	13.202	119	485811	55.953 ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	586597	57.117 ug/l	97
85) sec-Butylbenzene	13.379	105	717686	55.070 ug/l	99
86) p-Isopropyltoluene	13.495	119	623814	58.081 ug/l	97
87) 1,3-Dichlorobenzene	13.501	146	304661	55.624 ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	303075	54.061 ug/l	98
89) n-Butylbenzene	13.818	91	581890	55.761 ug/l	99
90) Hexachloroethane	14.086	117	106341	54.881 ug/l	89
91) 1,2-Dichlorobenzene	13.867	146	278291	55.590 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	24189	45.569 ug/l	97
93) 1,2,4-Trichlorobenzene	15.122	180	158651	51.387 ug/l	99
94) Hexachlorobutadiene	15.226	225	73982	49.625 ug/l	92
95) Naphthalene	15.360	128	392173	51.813 ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	152916	53.904 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031817.D
Acq On : 11 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 00:20:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
07/14/2025
Supervised By :Semsettin Yesilyurt
07/14/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031817.D
Acq On : 11 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 00:20:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

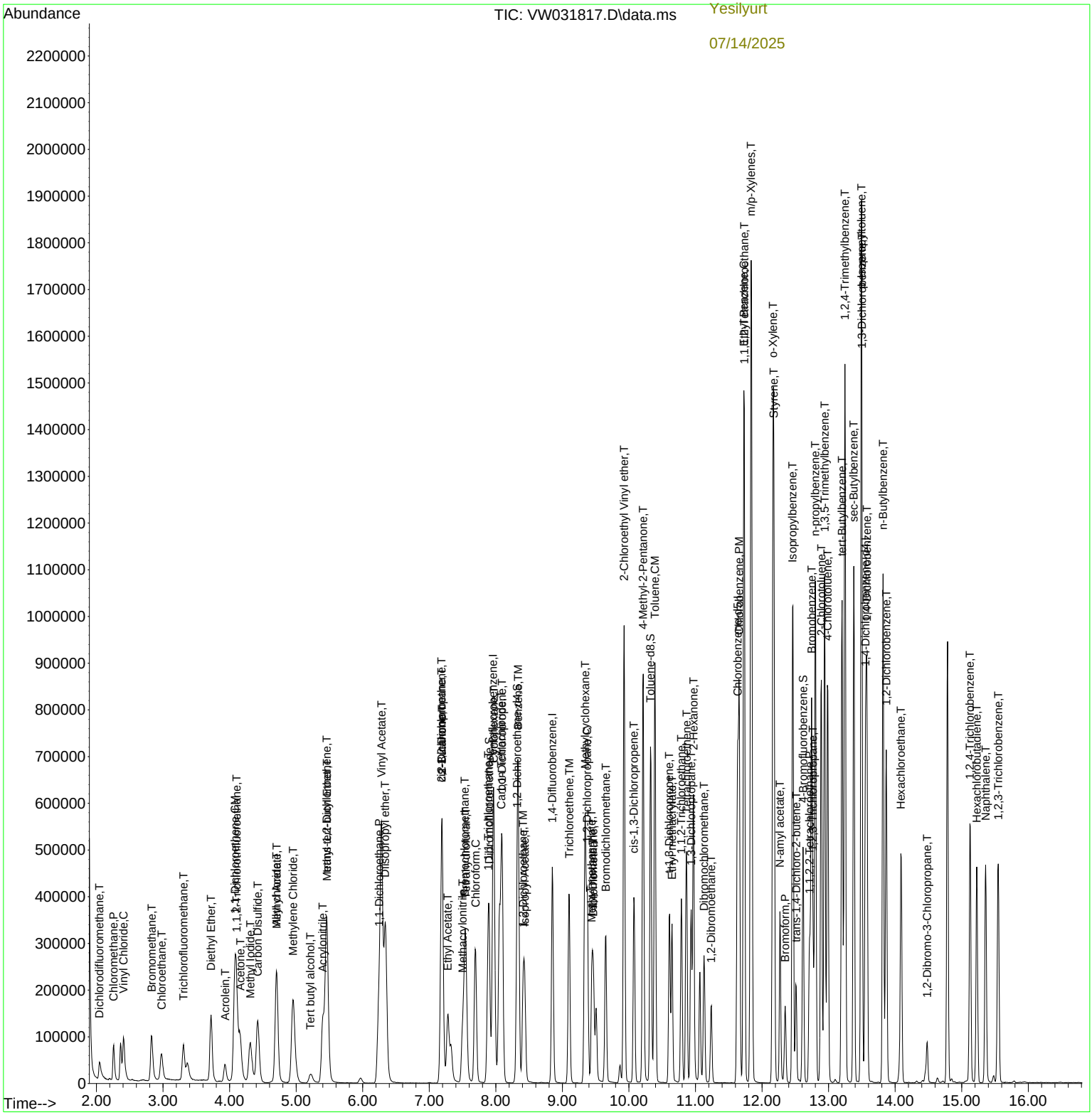
Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda

07/14/2025

Supervised By :Semsettin Yesilyurt

07/14/2025



Evaluate Continuing Calibration Report

Sample Results: **VW031817.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031817.D
Acq On : 11 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 12 00:20:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	89	0.00
2	T	Dichlorodifluoromethane	0.341	0.317	7.0	90	0.00
3	P	Chloromethane	0.411	0.426	-3.6	101	0.00
4	C	Vinyl Chloride	0.540	0.586	-8.5#	101	0.00
5	T	Bromomethane	0.421	0.439	-4.3	98	0.00
6	T	Chloroethane	0.367	0.395	-7.6	101	0.00
7	T	Trichlorofluoromethane	0.490	0.460	6.1	87	0.00
8	T	Diethyl Ether	0.372	0.420	-12.9	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.544	0.585	-7.5	102	0.00
10	T	Methyl Iodide	0.839	0.888	-5.8	97	0.00
11	T	Tert butyl alcohol	0.044	0.039	11.4	74	0.00
12	CM	1,1-Dichloroethene	0.596	0.663	-11.2#	106	0.00
13	T	Acrolein	0.080	0.051	36.3#	54	0.00
14	T	Allyl chloride	0.914	1.028	-12.5	102	0.00
15	T	Acrylonitrile	0.183	0.185	-1.1	86	0.00
16	T	Acetone	0.177	0.144	18.6	78	0.00
17	T	Carbon Disulfide	1.594	1.657	-4.0	96	0.00
18	T	Methyl Acetate	0.507	0.557	-9.9	93	0.00
19	T	Methyl tert-butyl Ether	1.011	1.133	-12.1	97	0.00
20	T	Methylene Chloride	0.814	0.863	-6.0	110	0.00
21	T	trans-1,2-Dichloroethene	0.633	0.719	-13.6	104	0.00
22	T	Diisopropyl ether	1.783	2.202	-23.5	109	0.00
23	T	Vinyl Acetate	1.218	1.354	-11.2	96	0.00
24	P	1,1-Dichloroethane	1.156	1.343	-16.2	107	0.00
25	T	2-Butanone	0.231	0.233	-0.9	83	0.00
26	T	2,2-Dichloropropane	0.674	0.671	0.4	91	0.00
27	T	cis-1,2-Dichloroethene	0.728	0.864	-18.7	107	0.00
28	T	Bromochloromethane	0.510	0.566	-11.0	100	0.00
29	T	Tetrahydrofuran	0.158	0.160	-1.3	85	0.00
30	C	Chloroform	1.228	1.450	-18.1#	107	0.00
31	T	Cyclohexane	1.022	1.071	-4.8	101	0.00
32	T	1,1,1-Trichloroethane	0.946	1.029	-8.8	99	0.00
33	S	1,2-Dichloroethane-d4	0.718	0.778	-8.4	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.326	0.338	-3.7	97	0.00
36	T	1,1-Dichloropropene	0.472	0.518	-9.7	106	0.00
37	T	Ethyl Acetate	0.298	0.291	2.3	89	0.00
38	T	Carbon Tetrachloride	0.481	0.485	-0.8	98	0.00
39	T	Methylcyclohexane	0.587	0.620	-5.6	102	0.00
40	TM	Benzene	1.397	1.598	-14.4	108	0.00
41	T	Methacrylonitrile	0.160	0.164	-2.5	88	0.00
42	TM	1,2-Dichloroethane	0.472	0.517	-9.5	104	0.00
43	T	Isopropyl Acetate	0.513	0.520	-1.4	90	0.00
44	TM	Trichloroethene	0.349	0.365	-4.6	99	0.00
45	C	1,2-Dichloropropane	0.338	0.390	-15.4#	109	0.00
46	T	Dibromomethane	0.218	0.240	-10.1	102	0.00
47	T	Bromodichloromethane	0.511	0.577	-12.9	105	0.00
48	T	Methyl methacrylate	0.252	0.253	-0.4	90	0.00

Sample Results: **VW031817.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031817.D
Acq On : 11 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 12 00:20:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.003	0.003	0.0	92	0.00
50	S	Toluene-d8	1.214	1.286	-5.9	99	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.296	-0.3	88	0.00
52	CM	Toluene	0.894	1.026	-14.8#	109	0.00
53	T	t-1,3-Dichloropropene	0.480	0.535	-11.5	100	0.00
54	T	cis-1,3-Dichloropropene	0.544	0.604	-11.0	102	0.00
55	T	1,1,2-Trichloroethane	0.286	0.319	-11.5	104	0.00
56	T	Ethyl methacrylate	0.387	0.439	-13.4	99	0.00
57	T	1,3-Dichloropropane	0.501	0.563	-12.4	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.223	-4.7	92	0.00
59	T	2-Hexanone	0.200	0.201	-0.5	85	0.00
60	T	Dibromochloromethane	0.341	0.380	-11.4	100	0.00
61	T	1,2-Dibromoethane	0.286	0.299	-4.5	96	0.00
62	S	4-Bromofluorobenzene	0.447	0.474	-6.0	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.327	0.306	6.4	92	0.00
65	PM	Chlorobenzene	1.103	1.199	-8.7	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.380	-8.0	103	0.00
67	C	Ethyl Benzene	1.913	2.062	-7.8#	104	0.00
68	T	m/p-Xylenes	0.735	0.821	-11.7	107	0.00
69	T	o-Xylene	0.681	0.770	-13.1	107	0.00
70	T	Styrene	1.177	1.336	-13.5	105	0.00
71	P	Bromoform	0.210	0.201	4.3	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.803	4.196	-10.3	104	0.00
74	T	N-amyl acetate	1.025	1.091	-6.4	94	0.00
75	P	1,1,2,2-Tetrachloroethane	0.844	0.873	-3.4	96	0.00
76	T	1,2,3-Trichloropropane	0.646	0.672	-4.0	95	0.00
77	T	Bromobenzene	0.848	0.917	-8.1	108	0.00
78	T	n-propylbenzene	4.554	5.179	-13.7	107	0.00
79	T	2-Chlorotoluene	2.743	3.161	-15.2	109	0.00
80	T	1,3,5-Trimethylbenzene	3.148	3.584	-13.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	0.277	0.272	1.8	86	0.00
82	T	4-Chlorotoluene	2.879	3.244	-12.7	106	0.00
83	T	tert-Butylbenzene	2.697	3.018	-11.9	107	0.00
84	T	1,2,4-Trimethylbenzene	3.190	3.644	-14.2	108	0.00
85	T	sec-Butylbenzene	4.048	4.458	-10.1	103	0.00
86	T	p-Isopropyltoluene	3.336	3.875	-16.2	109	0.00
87	T	1,3-Dichlorobenzene	1.701	1.892	-11.2	106	0.00
88	T	1,4-Dichlorobenzene	1.741	1.883	-8.2	102	0.00
89	T	n-Butylbenzene	3.241	3.615	-11.5	105	0.00
90	T	Hexachloroethane	0.602	0.661	-9.8	103	0.00
91	T	1,2-Dichlorobenzene	1.555	1.729	-11.2	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.165	0.150	9.1	83	0.00
93	T	1,2,4-Trichlorobenzene	0.959	0.986	-2.8	98	0.00
94	T	Hexachlorobutadiene	0.463	0.460	0.6	102	0.00
95	T	Naphthalene	2.351	2.436	-3.6	94	0.00

Sample Results: **VW031817.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031817.D
Acq On : 11 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 12 00:20:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.881	0.950	-7.8	102	0.00

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

Sample Results: **VW031817.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031817.D
Acq On : 11 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 12 00:20:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	89	0.00
2	T	Dichlorodifluoromethane	50.000	46.474	7.1	90	0.00
3	P	Chloromethane	50.000	51.844	-3.7	101	0.00
4	C	Vinyl Chloride	50.000	54.331	-8.7#	101	0.00
5	T	Bromomethane	50.000	52.098	-4.2	98	0.00
6	T	Chloroethane	50.000	53.933	-7.9	101	0.00
7	T	Trichlorofluoromethane	50.000	46.920	6.2	87	0.00
8	T	Diethyl Ether	50.000	56.413	-12.8	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.754	-7.5	102	0.00
10	T	Methyl Iodide	50.000	52.968	-5.9	97	0.00
11	T	Tert butyl alcohol	250.000	217.761	12.9	74	0.00
12	CM	1,1-Dichloroethene	50.000	55.682	-11.4#	106	0.00
13	T	Acrolein	250.000	159.484	36.2#	54	0.00
14	T	Allyl chloride	50.000	56.249	-12.5	102	0.00
15	T	Acrylonitrile	250.000	252.355	-0.9	86	0.00
16	T	Acetone	250.000	203.318	18.7	78	0.00
17	T	Carbon Disulfide	50.000	51.953	-3.9	96	0.00
18	T	Methyl Acetate	50.000	54.947	-9.9	93	0.00
19	T	Methyl tert-butyl Ether	50.000	56.018	-12.0	97	0.00
20	T	Methylene Chloride	50.000	62.531	-25.1#	110	0.00
21	T	trans-1,2-Dichloroethene	50.000	56.802	-13.6	104	0.00
22	T	Diisopropyl ether	50.000	61.761	-23.5	109	0.00
23	T	Vinyl Acetate	250.000	277.887	-11.2	96	0.00
24	P	1,1-Dichloroethane	50.000	58.094	-16.2	107	0.00
25	T	2-Butanone	250.000	252.131	-0.9	83	0.00
26	T	2,2-Dichloropropane	50.000	49.768	0.5	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	59.382	-18.8	107	0.00
28	T	Bromochloromethane	50.000	55.522	-11.0	100	0.00
29	T	Tetrahydrofuran	250.000	253.616	-1.4	85	0.00
30	C	Chloroform	50.000	59.013	-18.0#	107	0.00
31	T	Cyclohexane	50.000	52.430	-4.9	101	0.00
32	T	1,1,1-Trichloroethane	50.000	54.360	-8.7	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.204	-8.4	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	51.761	-3.5	97	0.00
36	T	1,1-Dichloropropene	50.000	54.879	-9.8	106	0.00
37	T	Ethyl Acetate	50.000	48.792	2.4	89	0.00
38	T	Carbon Tetrachloride	50.000	50.412	-0.8	98	0.00
39	T	Methylcyclohexane	50.000	52.798	-5.6	102	0.00
40	TM	Benzene	50.000	57.195	-14.4	108	0.00
41	T	Methacrylonitrile	50.000	51.546	-3.1	88	0.00
42	TM	1,2-Dichloroethane	50.000	54.800	-9.6	104	0.00
43	T	Isopropyl Acetate	50.000	50.633	-1.3	90	0.00
44	TM	Trichloroethene	50.000	52.380	-4.8	99	0.00
45	C	1,2-Dichloropropane	50.000	57.812	-15.6#	109	0.00
46	T	Dibromomethane	50.000	55.087	-10.2	102	0.00
47	T	Bromodichloromethane	50.000	56.467	-12.9	105	0.00
48	T	Methyl methacrylate	50.000	50.197	-0.4	90	0.00

Sample Results: **VW031817.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031817.D
Acq On : 11 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 12 00:20:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	995.768	0.4	92	0.00
50	S	Toluene-d8	50.000	52.947	-5.9	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.107	-0.4	88	0.00
52	CM	Toluene	50.000	57.372	-14.7#	109	0.00
53	T	t-1,3-Dichloropropene	50.000	55.768	-11.5	100	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.508	-11.0	102	0.00
55	T	1,1,2-Trichloroethane	50.000	55.902	-11.8	104	0.00
56	T	Ethyl methacrylate	50.000	56.695	-13.4	99	0.00
57	T	1,3-Dichloropropane	50.000	56.144	-12.3	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	261.883	-4.8	92	0.00
59	T	2-Hexanone	250.000	251.521	-0.6	85	0.00
60	T	Dibromochloromethane	50.000	55.694	-11.4	100	0.00
61	T	1,2-Dibromoethane	50.000	52.369	-4.7	96	0.00
62	S	4-Bromofluorobenzene	50.000	53.078	-6.2	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	46.718	6.6	92	0.00
65	PM	Chlorobenzene	50.000	54.336	-8.7	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.113	-8.2	103	0.00
67	C	Ethyl Benzene	50.000	53.894	-7.8#	104	0.00
68	T	m/p-Xylenes	100.000	111.656	-11.7	107	0.00
69	T	o-Xylene	50.000	56.528	-13.1	107	0.00
70	T	Styrene	50.000	56.732	-13.5	105	0.00
71	P	Bromoform	50.000	47.961	4.1	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	55.162	-10.3	104	0.00
74	T	N-amyl acetate	50.000	53.210	-6.4	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.710	-3.4	96	0.00
76	T	1,2,3-Trichloropropane	50.000	52.019	-4.0	95	0.00
77	T	Bromobenzene	50.000	54.059	-8.1	108	0.00
78	T	n-propylbenzene	50.000	56.857	-13.7	107	0.00
79	T	2-Chlorotoluene	50.000	57.627	-15.3	109	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.929	-13.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.096	1.8	86	0.00
82	T	4-Chlorotoluene	50.000	56.329	-12.7	106	0.00
83	T	tert-Butylbenzene	50.000	55.953	-11.9	107	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.117	-14.2	108	0.00
85	T	sec-Butylbenzene	50.000	55.070	-10.1	103	0.00
86	T	p-Isopropyltoluene	50.000	58.081	-16.2	109	0.00
87	T	1,3-Dichlorobenzene	50.000	55.624	-11.2	106	0.00
88	T	1,4-Dichlorobenzene	50.000	54.061	-8.1	102	0.00
89	T	n-Butylbenzene	50.000	55.761	-11.5	105	0.00
90	T	Hexachloroethane	50.000	54.881	-9.8	103	0.00
91	T	1,2-Dichlorobenzene	50.000	55.590	-11.2	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.569	8.9	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.387	-2.8	98	0.00
94	T	Hexachlorobutadiene	50.000	49.625	0.8	102	0.00
95	T	Naphthalene	50.000	51.813	-3.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031817.D
Acq On : 11 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 12 00:20:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	53.904	-7.8	102	0.00

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

QC SAMPLE DATA

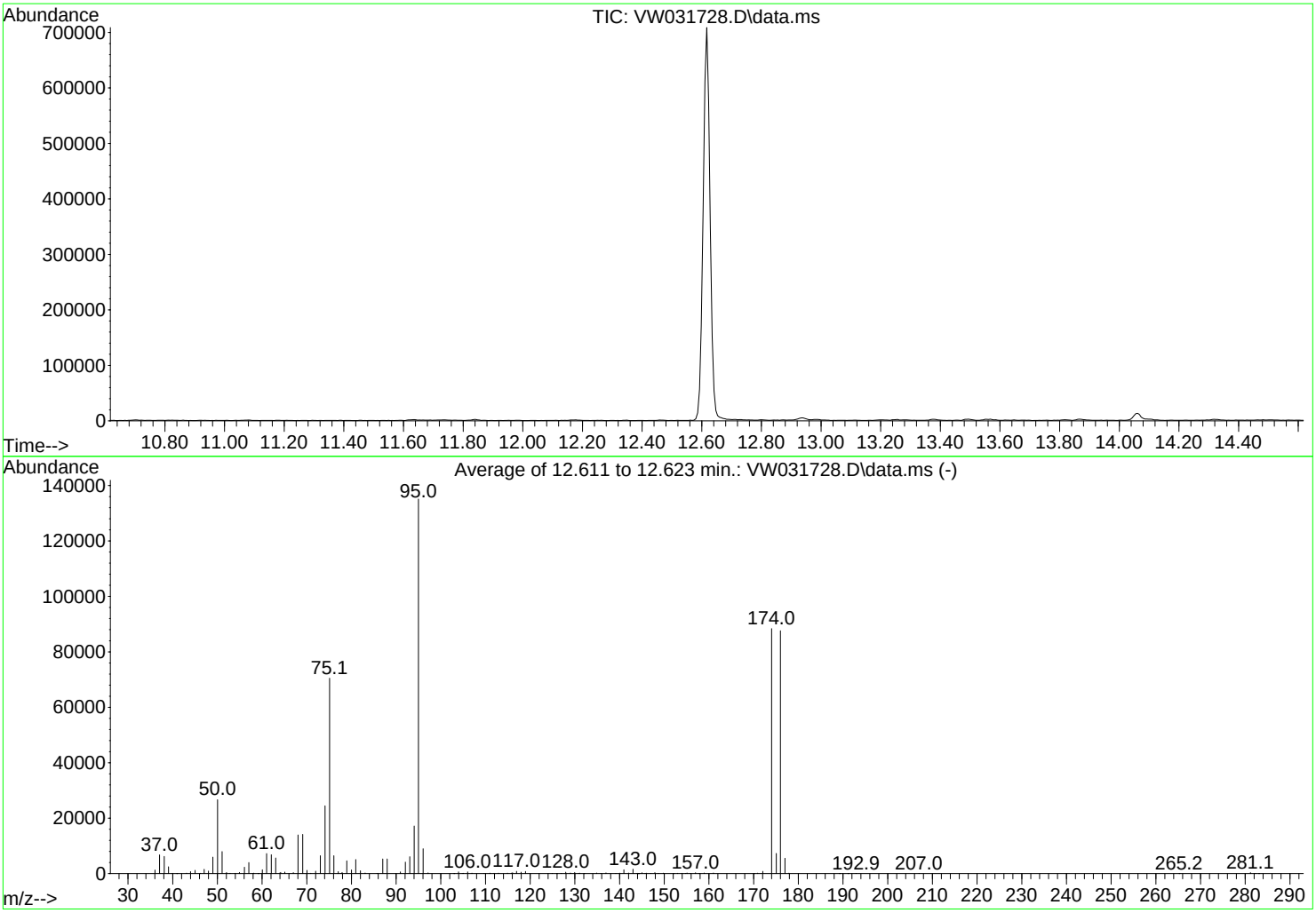
Sample Results: **VW031728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031728.D
Acq On : 30 Jun 2025 08:56
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	26685	PASS
75	95	30	60	52.1	70472	PASS
95	95	100	100	100.0	135149	PASS
96	95	5	9	6.7	8992	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	65.4	88384	PASS
175	174	5	9	8.2	7275	PASS
176	174	95	101	99.2	87643	PASS
177	176	5	9	6.3	5529	PASS

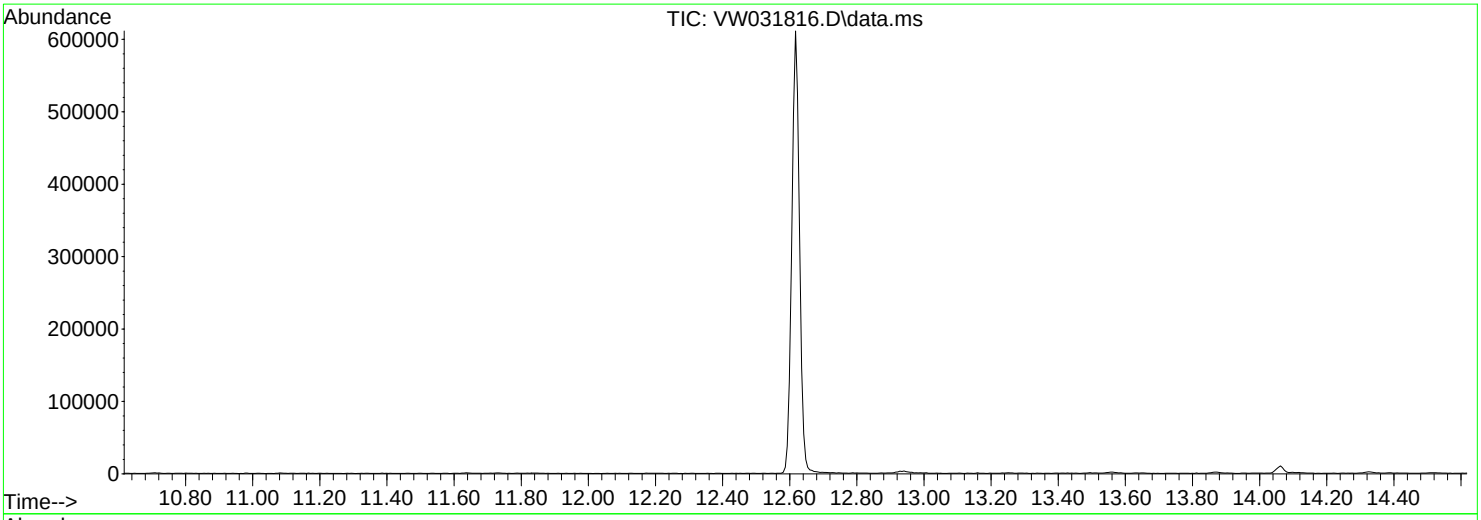
Sample Results: **VW031816.D**

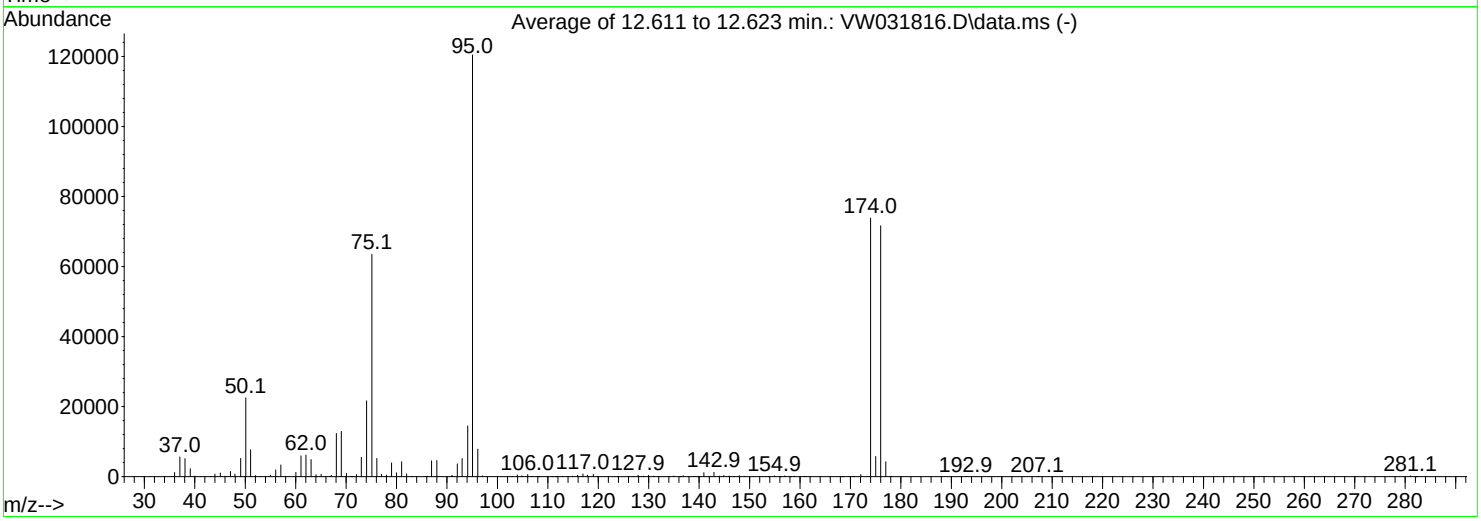
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031816.D
Acq On : 11 Jul 2025 11:20
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025





AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	22523	PASS
75	95	30	60	52.7	63496	PASS
95	95	100	100	100.0	120467	PASS
96	95	5	9	6.5	7882	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	61.3	73848	PASS
175	174	5	9	7.8	5748	PASS
176	174	95	101	97.0	71640	PASS
177	176	5	9	6.0	4266	PASS

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VW0711SBL01	SDG No.:	Q2580
Lab Sample ID:	VW0711SBL01	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:	Date Analyzed	Prep Batch ID
VW031818.D	1	07/11/25 14:18	VW071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0011	U	0.0011	0.0050	mg/Kg
74-87-3	Chloromethane	0.0011	U	0.0011	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.00079	U	0.00079	0.0050	mg/Kg
74-83-9	Bromomethane	0.0011	U	0.0011	0.0050	mg/Kg
75-00-3	Chloroethane	0.0013	U	0.0013	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.0012	U	0.0012	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0011	U	0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0010	U	0.0010	0.0050	mg/Kg
67-64-1	Acetone	0.0047	U	0.0047	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0011	U	0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00073	U	0.00073	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.0015	U	0.0015	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0035	U	0.0035	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00086	U	0.00086	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.00080	U	0.00080	0.0050	mg/Kg
110-82-7	Cyclohexane	0.00079	U	0.00079	0.0050	mg/Kg
78-93-3	2-Butanone	0.0065	U	0.0065	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.00097	U	0.00097	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00075	U	0.00075	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.0012	U	0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.00084	U	0.00084	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00093	U	0.00093	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.00091	U	0.00091	0.0050	mg/Kg
71-43-2	Benzene	0.00079	U	0.00079	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.00079	U	0.00079	0.0050	mg/Kg
79-01-6	Trichloroethene	0.00081	U	0.00081	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.00091	U	0.00091	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.00078	U	0.00078	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0036	U	0.0036	0.025	mg/Kg
108-88-3	Toluene	0.00078	U	0.00078	0.0050	mg/Kg

Raw Data: **VW031818.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VW0711SBL01	SDG No.:	Q2580
Lab Sample ID:	VW0711SBL01	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:	Date Analyzed	Prep Batch ID
VW031818.D	1	07/11/25 14:18	VW071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00065	U	0.00065	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00062	U	0.00062	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00092	U	0.00092	0.0050	mg/Kg
591-78-6	2-Hexanone	0.0037	U	0.0037	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.00087	U	0.00087	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.00088	U	0.00088	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0011	U	0.0011	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.00091	U	0.00091	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.00067	U	0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0012	U	0.0012	0.010	mg/Kg
95-47-6	o-Xylene	0.00082	U	0.00082	0.0050	mg/Kg
100-42-5	Styrene	0.00071	U	0.00071	0.0050	mg/Kg
75-25-2	Bromoform	0.00086	U	0.00086	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.00078	U	0.00078	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0017	U	0.0017	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0016	U	0.0016	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0015	U	0.0015	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0018	U	0.0018	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0030	U	0.0030	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0032	U	0.0032	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.6		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	46.9		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		70 (17) - 130 (146)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	7.959			
540-36-3	1,4-Difluorobenzene	358000	8.855			
3114-55-4	Chlorobenzene-d5	346000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.556			

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VW0711SBL01	SDG No.:	Q2580
Lab Sample ID:	VW0711SBL01	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:	Date Analyzed	Prep Batch ID
VW031818.D	1	07/11/25 14:18	VW071125

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_W\Data\VW071125\
Data File : VW031818.D
Acq On : 11 Jul 2025 14:18
Operator : SY/MD
Sample : VW0711SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBL01

Quant Time: Jul 11 22:47:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	167609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	357632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	345815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133691	55.580	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 111.160%			
35) Dibromofluoromethane	7.898	113	113431	48.606	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.220%			
50) Toluene-d8	10.325	98	406941	46.858	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 93.720%			
62) 4-Bromofluorobenzene	12.617	95	145784	45.615	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 91.240%			

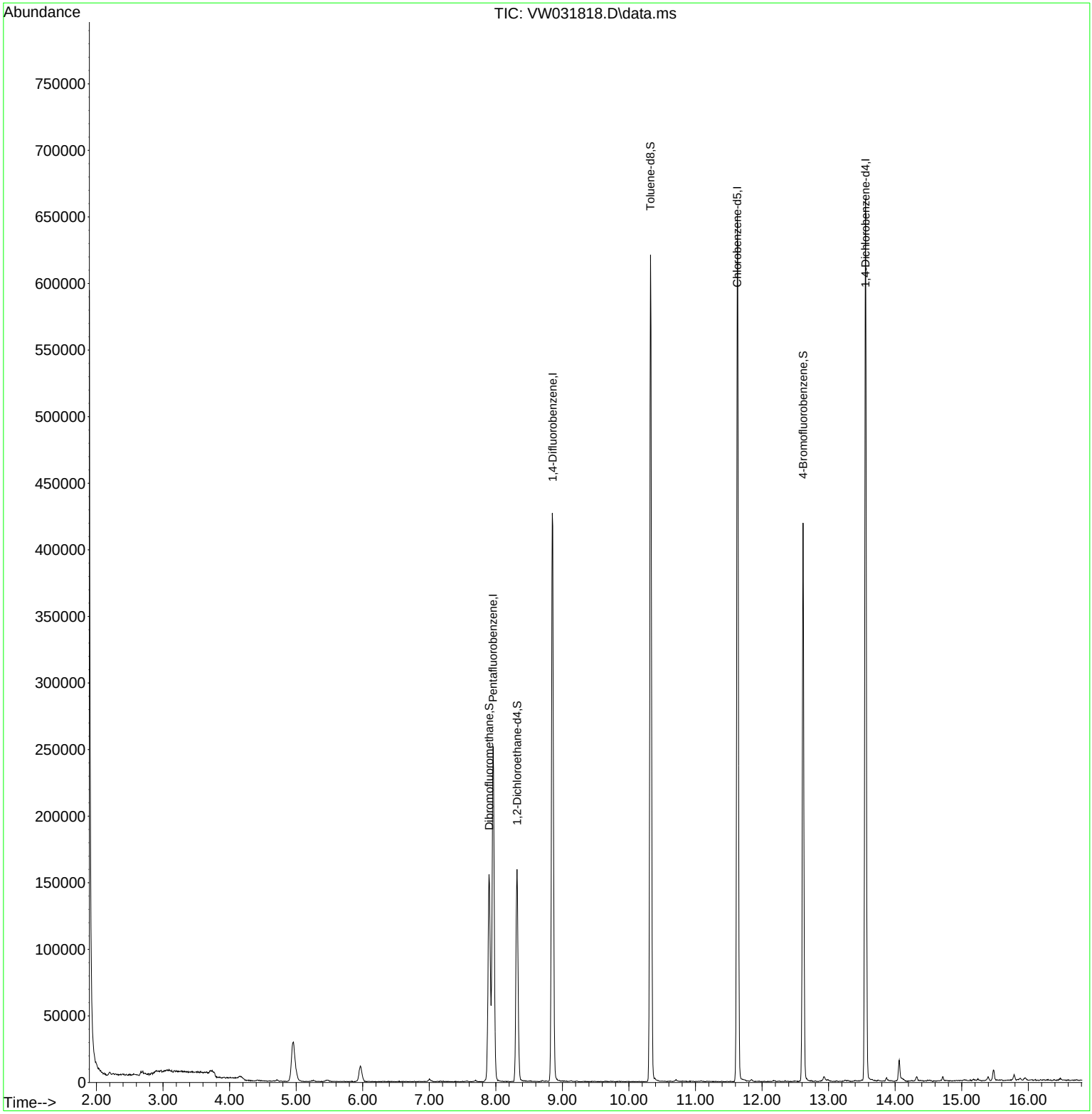
Target Compounds Qvalue

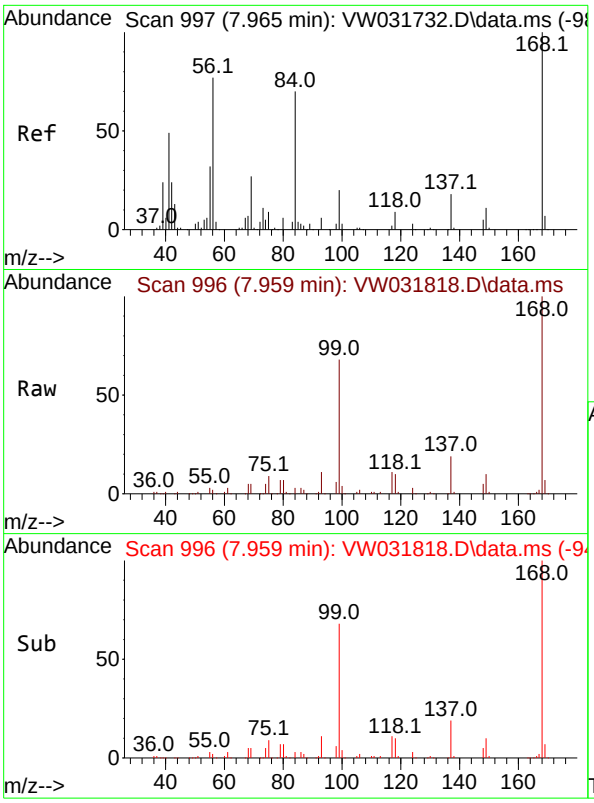
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031818.D
Acq On : 11 Jul 2025 14:18
Operator : SY/MD
Sample : VW0711SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBL01

Quant Time: Jul 11 22:47:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



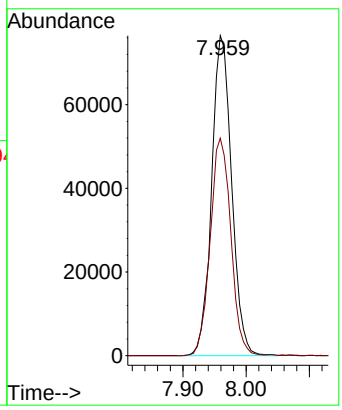


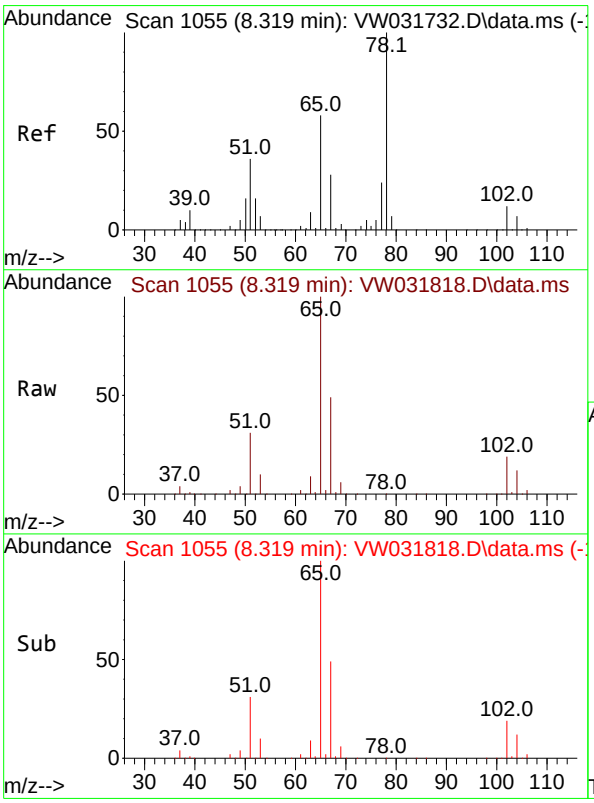
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031818.D
Acq: 11 Jul 2025 14:18

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBL01

Tgt Ion:168 Resp: 167609

Ion	Ratio	Lower	Upper
168	100		
99	67.9	49.4	74.2

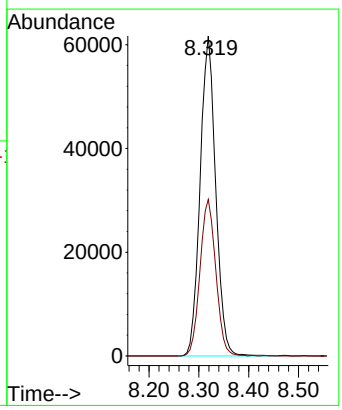


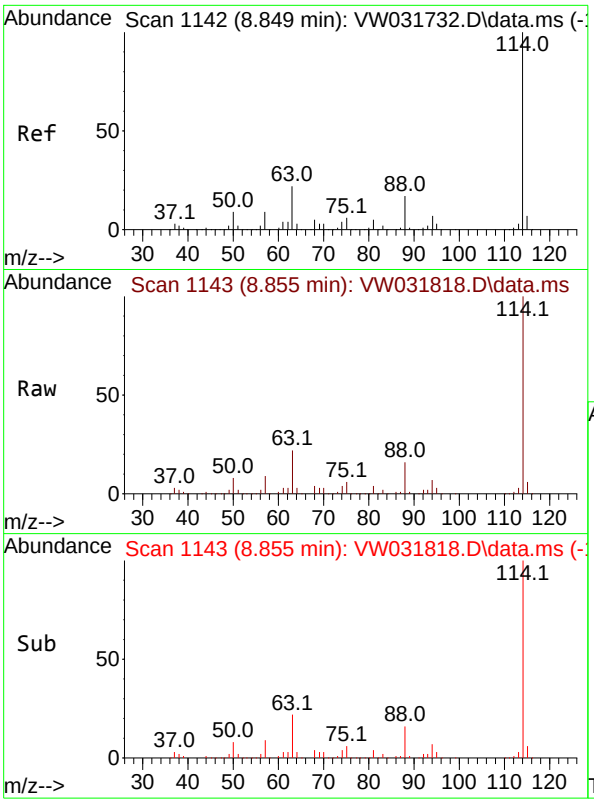


#33
1,2-Dichloroethane-d4
Concen: 55.580 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031818.D
Acq: 11 Jul 2025 14:18

Tgt Ion: 65 Resp: 133691

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.4



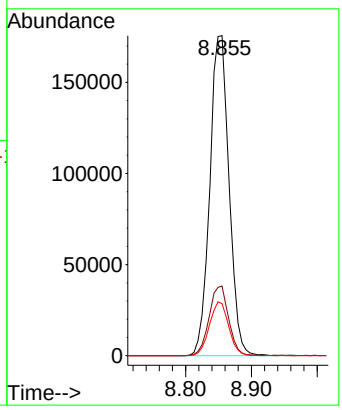


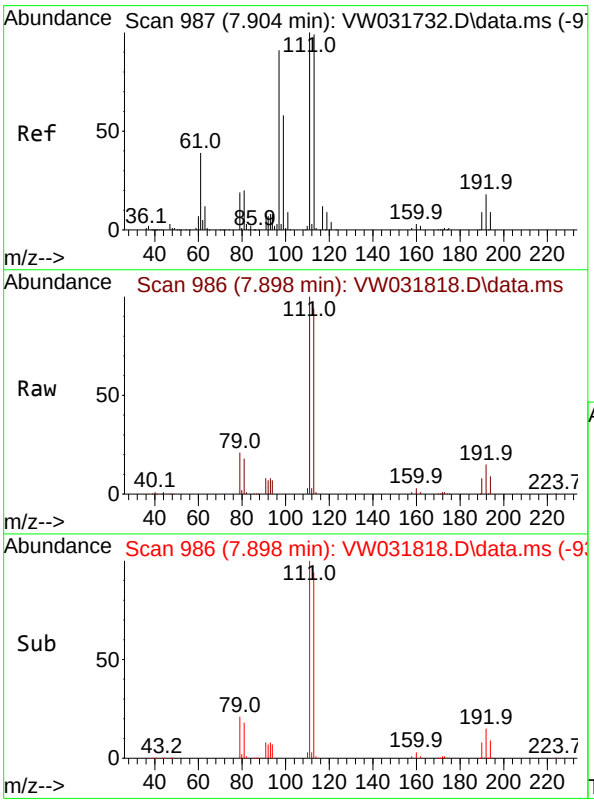
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031818.D
Acq: 11 Jul 2025 14:18

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBL01

Tgt Ion:114 Resp: 357632

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.6
88	16.3	0.0	34.2

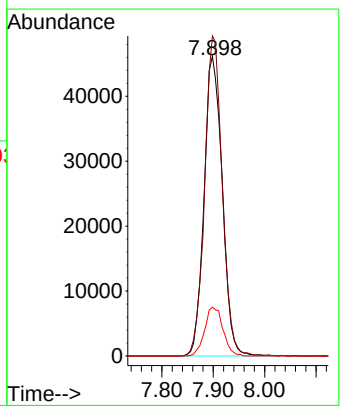


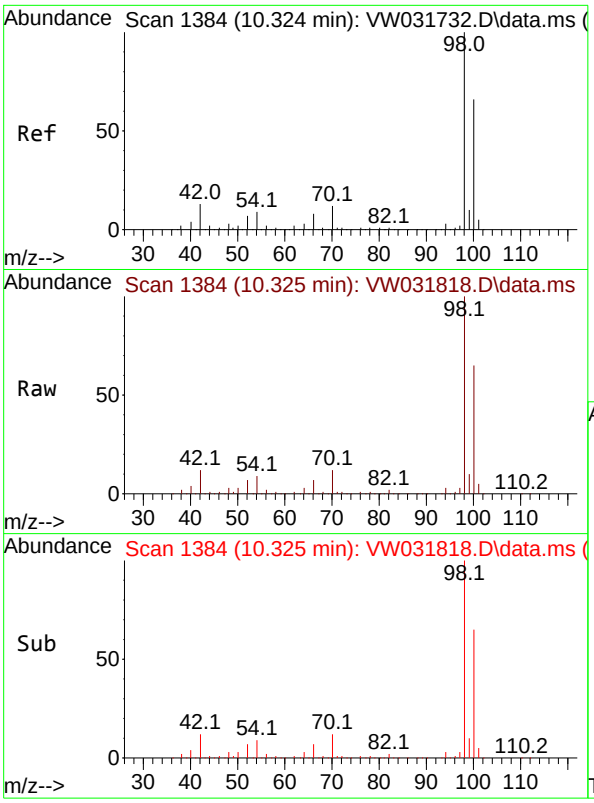


#35
Dibromofluoromethane
Concen: 48.606 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031818.D
Acq: 11 Jul 2025 14:18

Tgt Ion:113 Resp: 113431

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.1	123.1
192	16.4	13.8	20.6



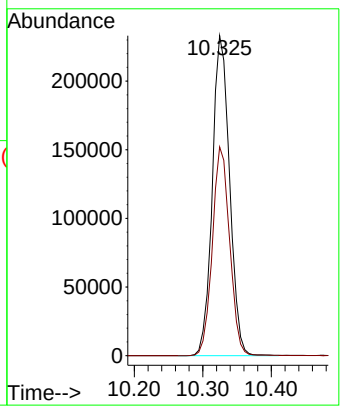


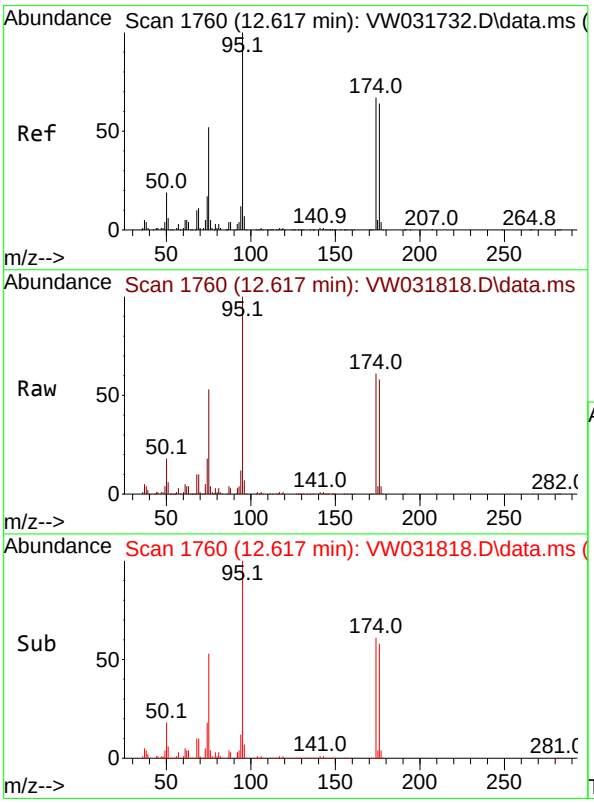
#50
Toluene-d8
Concen: 46.858 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031818.D
Acq: 11 Jul 2025 14:18

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBL01

Tgt Ion: 98 Resp: 406941

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

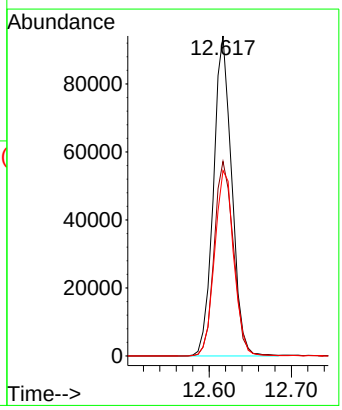


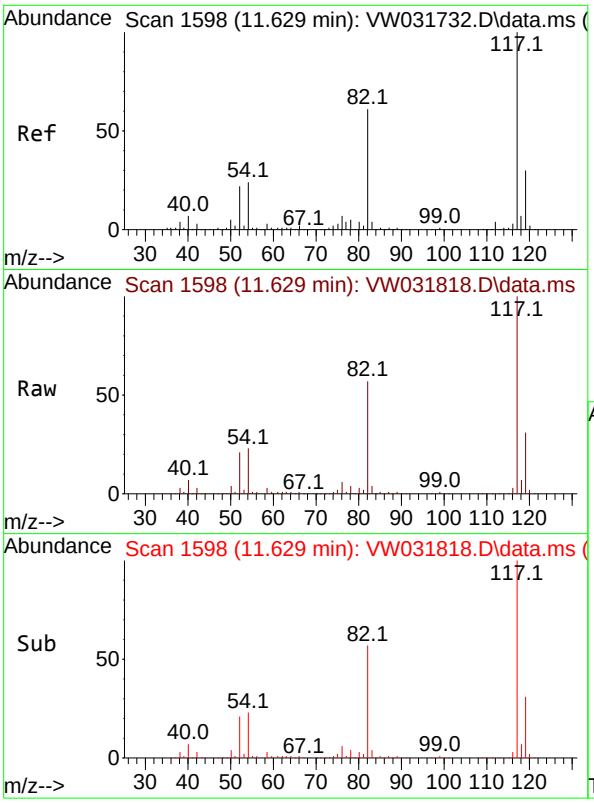


#62
4-Bromofluorobenzene
Concen: 45.615 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031818.D
Acq: 11 Jul 2025 14:18

Tgt Ion: 95 Resp: 145784

Ion	Ratio	Lower	Upper
95	100		
174	64.0	0.0	133.8
176	60.8	0.0	126.0



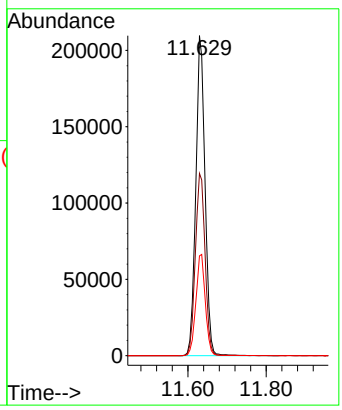


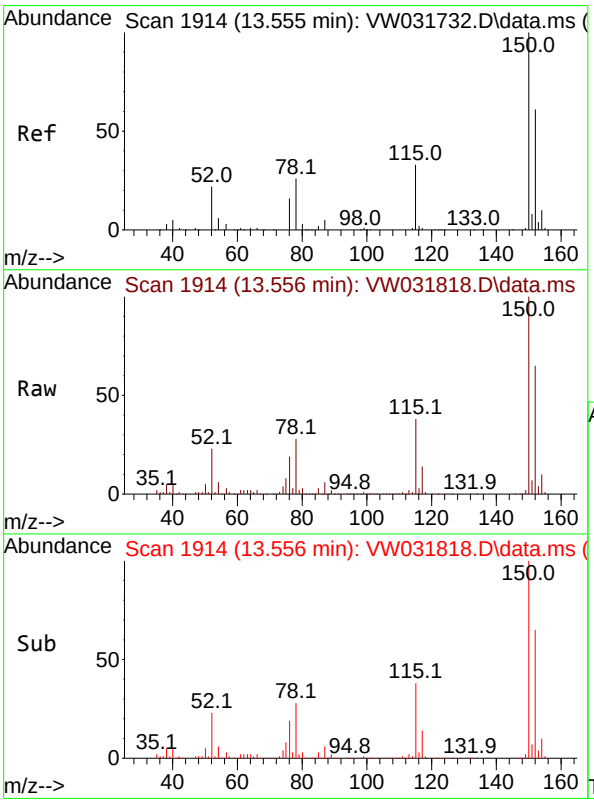
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031818.D
Acq: 11 Jul 2025 14:18

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBL01

Tgt Ion:117 Resp: 345815

Ion	Ratio	Lower	Upper
117	100		
82	57.0	48.6	72.8
119	31.2	23.9	35.9

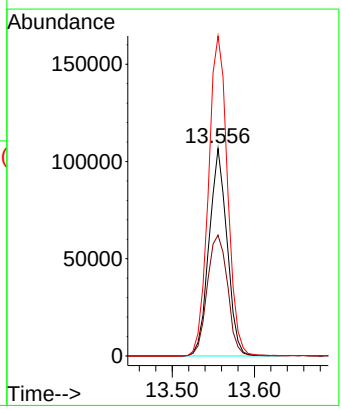




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031818.D
Acq: 11 Jul 2025 14:18

Tgt Ion:152 Resp: 162450

Ion	Ratio	Lower	Upper
152	100		
115	65.8	31.9	95.7
150	163.4	0.0	356.4



Sample Results: **VW031818.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031818.D
Acq On : 11 Jul 2025 14:18
Operator : SY/MD
Sample : VW0711SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBL01

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_W\Method\82W063025S.M
Title : SW846 8260

Signal : TIC: VW031818.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	487	504	520	rBV3	29705	119999	10.80%	1.905%
2	5.966	656	669	679	rBV2	11755	37214	3.35%	0.591%
3	7.898	972	986	991	rBV	155560	378833	34.10%	6.015%
4	7.959	991	996	1007	rVB	251021	550744	49.57%	8.745%
5	8.319	1046	1055	1068	rBV	159387	356541	32.09%	5.661%
6	8.849	1132	1142	1157	rBV	426688	875155	78.77%	13.896%
7	10.325	1375	1384	1393	rBV	620856	1089559	98.06%	17.300%
8	11.629	1590	1598	1608	rBV	651005	1111082	100.00%	17.642%
9	12.617	1753	1760	1776	rBV	419212	668215	60.14%	10.610%
10	13.556	1907	1914	1927	rBV	662028	1065924	95.94%	16.925%
11	14.062	1985	1997	2002	rBV2	15946	29225	2.63%	0.464%
12	15.476	2221	2229	2235	rBV2	7950	15551	1.40%	0.247%

Sum of corrected areas: 6298042

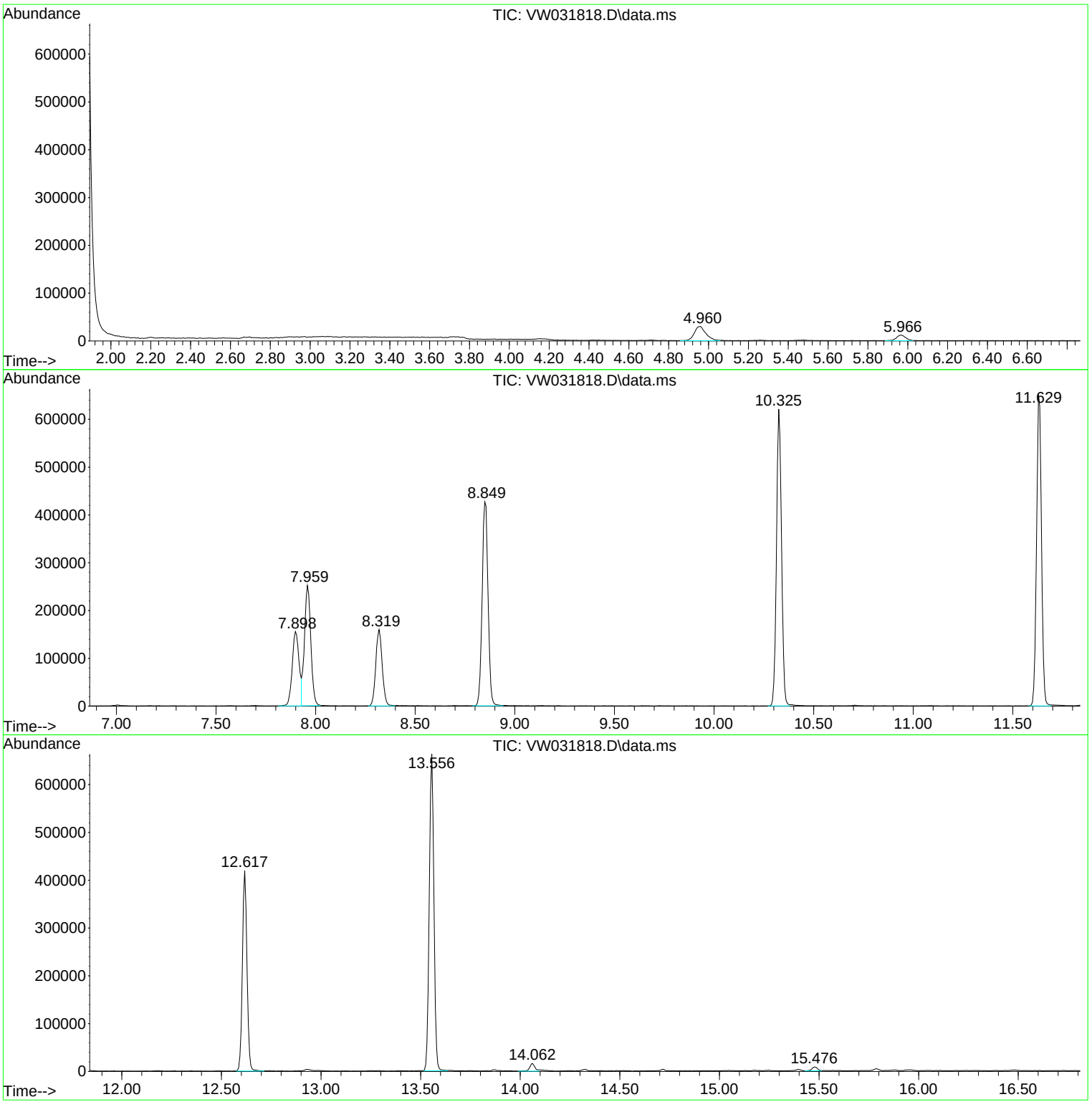
Sample Results: **VW031818.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031818.D
Acq On : 11 Jul 2025 14:18
Operator : SY/MD
Sample : VW0711SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031818.D
Acq On : 11 Jul 2025 14:18
Operator : SY/MD
Sample : VW0711SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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_W\Data\VW071125\
Data File : VW031818.D
Acq On : 11 Jul 2025 14:18
Operator : SY/MD
Sample : VW0711SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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: **VW031819.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VW0711SBS01	SDG No.:	Q2580
Lab Sample ID:	VW0711SBS01	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:	Date Analyzed	Prep Batch ID
VW031819.D	1	07/11/25 14:48	VW071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.021		0.0011	0.0050	mg/Kg
74-87-3	Chloromethane	0.021		0.0011	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.022		0.00079	0.0050	mg/Kg
74-83-9	Bromomethane	0.020		0.0011	0.0050	mg/Kg
75-00-3	Chloroethane	0.020		0.0013	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.017		0.0012	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.022		0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.022		0.0010	0.0050	mg/Kg
67-64-1	Acetone	0.097		0.0047	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.020		0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.021		0.00073	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.020		0.0015	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.031		0.0035	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.022		0.00086	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.023		0.00080	0.0050	mg/Kg
110-82-7	Cyclohexane	0.022		0.00079	0.0050	mg/Kg
78-93-3	2-Butanone	0.10		0.0065	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00097	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.022		0.00075	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.023		0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.023		0.00084	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00093	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.020		0.00091	0.0050	mg/Kg
71-43-2	Benzene	0.022		0.00079	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.00079	0.0050	mg/Kg
79-01-6	Trichloroethene	0.021		0.00081	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.022		0.00091	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.10		0.0036	0.025	mg/Kg
108-88-3	Toluene	0.022		0.00078	0.0050	mg/Kg

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VW0711SBS01	SDG No.:	Q2580
Lab Sample ID:	VW0711SBS01	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:	Date Analyzed	Prep Batch ID
VW031819.D	1	07/11/25 14:48	VW071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.021		0.00065	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00062	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.022		0.00092	0.0050	mg/Kg
591-78-6	2-Hexanone	0.10		0.0037	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.020		0.00087	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00088	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.020		0.0011	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.021		0.00091	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.021		0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.042		0.0012	0.010	mg/Kg
95-47-6	o-Xylene	0.022		0.00082	0.0050	mg/Kg
100-42-5	Styrene	0.022		0.00071	0.0050	mg/Kg
75-25-2	Bromoform	0.018		0.00086	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00078	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.020		0.0012	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.0017	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.0015	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.018		0.0018	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.0030	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.018		0.0032	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	52.3		70 (74) - 130 (123)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		70 (17) - 130 (146)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	206000	7.965			
540-36-3	1,4-Difluorobenzene	389000	8.849			
3114-55-4	Chlorobenzene-d5	347000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.556			

Raw Data: **VW031819.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VW0711SBS01	SDG No.:	Q2580
Lab Sample ID:	VW0711SBS01	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:	Date Analyzed	Prep Batch ID
VW031819.D	1	07/11/25 14:48	VW071125

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_W\Data\VW071125\
Data File : VW031819.D
Acq On : 11 Jul 2025 14:48
Operator : SY/MD
Sample : VW0711SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 11 22:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	205659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	389380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	347490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	156458	53.011	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 106.020%			
35) Dibromofluoromethane	7.898	113	132334	52.082	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 104.160%			
50) Toluene-d8	10.325	98	494544	52.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.617	95	186758	53.671	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 107.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	29328	20.939	ug/l	96
3) Chloromethane	2.259	50	35607	21.087	ug/l	97
4) Vinyl Chloride	2.406	62	47803	21.538	ug/l	98
5) Bromomethane	2.820	94	35313	20.370	ug/l	93
6) Chloroethane	2.972	64	30651	20.331	ug/l	96
7) Trichlorofluoromethane	3.302	101	34049	16.893	ug/l	100
8) Diethyl Ether	3.722	74	33633	21.959	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	50029	22.362	ug/l	97
10) Methyl Iodide	4.302	142	69319	20.098	ug/l	99
11) Tert butyl alcohol	5.228	59	17229	94.225	ug/l	98
12) 1,1-Dichloroethene	4.082	96	53280	21.742	ug/l	88
13) Acrolein	3.930	56	23931	72.818	ug/l	92
14) Allyl chloride	4.698	41	76582	20.368	ug/l	98
15) Acrylonitrile	5.399	53	75719	100.532	ug/l	98
16) Acetone	4.161	43	70707	96.925	ug/l	100
17) Carbon Disulfide	4.423	76	128817	19.644	ug/l	97
18) Methyl Acetate	4.704	43	40843	19.590	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	88720	21.330	ug/l	98
20) Methylene Chloride	4.954	84	95453	30.819	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	55893	21.465	ug/l	91
22) Diisopropyl ether	6.344	45	168489	22.977	ug/l	96
23) Vinyl Acetate	6.283	43	538839	107.580	ug/l	99
24) 1,1-Dichloroethane	6.246	63	106746	22.453	ug/l	98
25) 2-Butanone	7.191	43	97631	102.871	ug/l	96
26) 2,2-Dichloropropane	7.185	77	53389	19.248	ug/l	97
27) cis-1,2-Dichloroethene	7.197	96	65344	21.831	ug/l	99
28) Bromochloromethane	7.533	49	48646	23.187	ug/l	97
29) Tetrahydrofuran	7.557	42	65311	100.487	ug/l	99
30) Chloroform	7.691	83	114861	22.737	ug/l	97
31) Cyclohexane	7.972	56	90469	21.528	ug/l	95
32) 1,1,1-Trichloroethane	7.892	97	82525	21.198	ug/l	99
36) 1,1-Dichloropropene	8.100	75	77041	20.953	ug/l	99
37) Ethyl Acetate	7.277	43	45895	19.788	ug/l	98
38) Carbon Tetrachloride	8.081	117	74192	19.802	ug/l	97
39) Methylcyclohexane	9.343	83	91283	19.955	ug/l	93
40) Benzene	8.337	78	239548	22.021	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031819.D
Acq On : 11 Jul 2025 14:48
Operator : SY/MD
Sample : VW0711SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 11 22:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	27584	22.201	ug/l		94
42) 1,2-Dichloroethane	8.411	62	78460	21.346	ug/l		100
43) Isopropyl Acetate	8.435	43	79433	19.868	ug/l		99
44) Trichloroethene	9.099	130	56517	20.816	ug/l		91
45) 1,2-Dichloropropane	9.374	63	57439	21.848	ug/l		98
46) Dibromomethane	9.465	93	35464	20.894	ug/l		97
47) Bromodichloromethane	9.648	83	83707	21.031	ug/l		98
48) Methyl methacrylate	9.441	41	37596	19.124	ug/l		95
49) 1,4-Dioxane	9.465	88	7419	373.198	ug/l	#	77
51) 4-Methyl-2-Pentanone	10.215	43	232099	100.976	ug/l		98
52) Toluene	10.392	92	149493	21.464	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	77058	20.634	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	88830	20.982	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	48309	21.728	ug/l		96
56) Ethyl methacrylate	10.648	69	63614	21.089	ug/l		99
57) 1,3-Dichloropropane	10.934	76	81878	20.975	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.929	63	171086	103.003	ug/l		98
59) 2-Hexanone	10.971	43	158999	102.080	ug/l		99
60) Dibromochloromethane	11.130	129	54006	20.312	ug/l		99
61) 1,2-Dibromoethane	11.233	107	46803	21.027	ug/l		99
64) Tetrachloroethene	10.867	164	45546	20.038	ug/l		94
65) Chlorobenzene	11.654	112	160421	20.924	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.727	131	52530	21.501	ug/l		95
67) Ethyl Benzene	11.733	91	282227	21.229	ug/l		95
68) m/p-Xylenes	11.837	106	214642	41.999	ug/l		99
69) o-Xylene	12.166	106	102240	21.607	ug/l		94
70) Styrene	12.178	104	178967	21.878	ug/l		100
71) Bromoform	12.349	173	26713	18.328	ug/l	#	98
73) Isopropylbenzene	12.459	105	264674	20.053	ug/l		99
74) N-amyl acetate	12.270	43	71480	20.093	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	58177	19.854	ug/l		98
76) 1,2,3-Trichloropropane	12.763	75	44156m	19.692	ug/l		
77) Bromobenzene	12.745	156	62256	21.149	ug/l		85
78) n-propylbenzene	12.800	91	325111	20.570	ug/l		99
79) 2-Chlorotoluene	12.891	91	199845	20.998	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	227106	20.788	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	16126	16.751	ug/l	#	85
82) 4-Chlorotoluene	12.989	91	210042	21.021	ug/l		97
83) tert-Butylbenzene	13.202	119	190050	20.308	ug/l		97
84) 1,2,4-Trimethylbenzene	13.251	105	228913	20.680	ug/l		98
85) sec-Butylbenzene	13.379	105	291806	20.774	ug/l		98
86) p-Isopropyltoluene	13.495	119	238607	20.612	ug/l		97
87) 1,3-Dichlorobenzene	13.495	146	121197	20.530	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	119007	19.695	ug/l		93
89) n-Butylbenzene	13.818	91	229026	20.362	ug/l		98
90) Hexachloroethane	14.086	117	40394	19.341	ug/l		92
91) 1,2-Dichlorobenzene	13.867	146	110620	20.501	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.483	75	10351	18.092	ug/l		94
93) 1,2,4-Trichlorobenzene	15.129	180	58475	17.572	ug/l		94
94) Hexachlorobutadiene	15.226	225	27084	16.855	ug/l		92
95) Naphthalene	15.354	128	150281	18.421	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	55925	18.290	ug/l		97

Sample Results: **VW031819.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031819.D
Acq On : 11 Jul 2025 14:48
Operator : SY/MD
Sample : VW0711SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 11 22:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

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

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

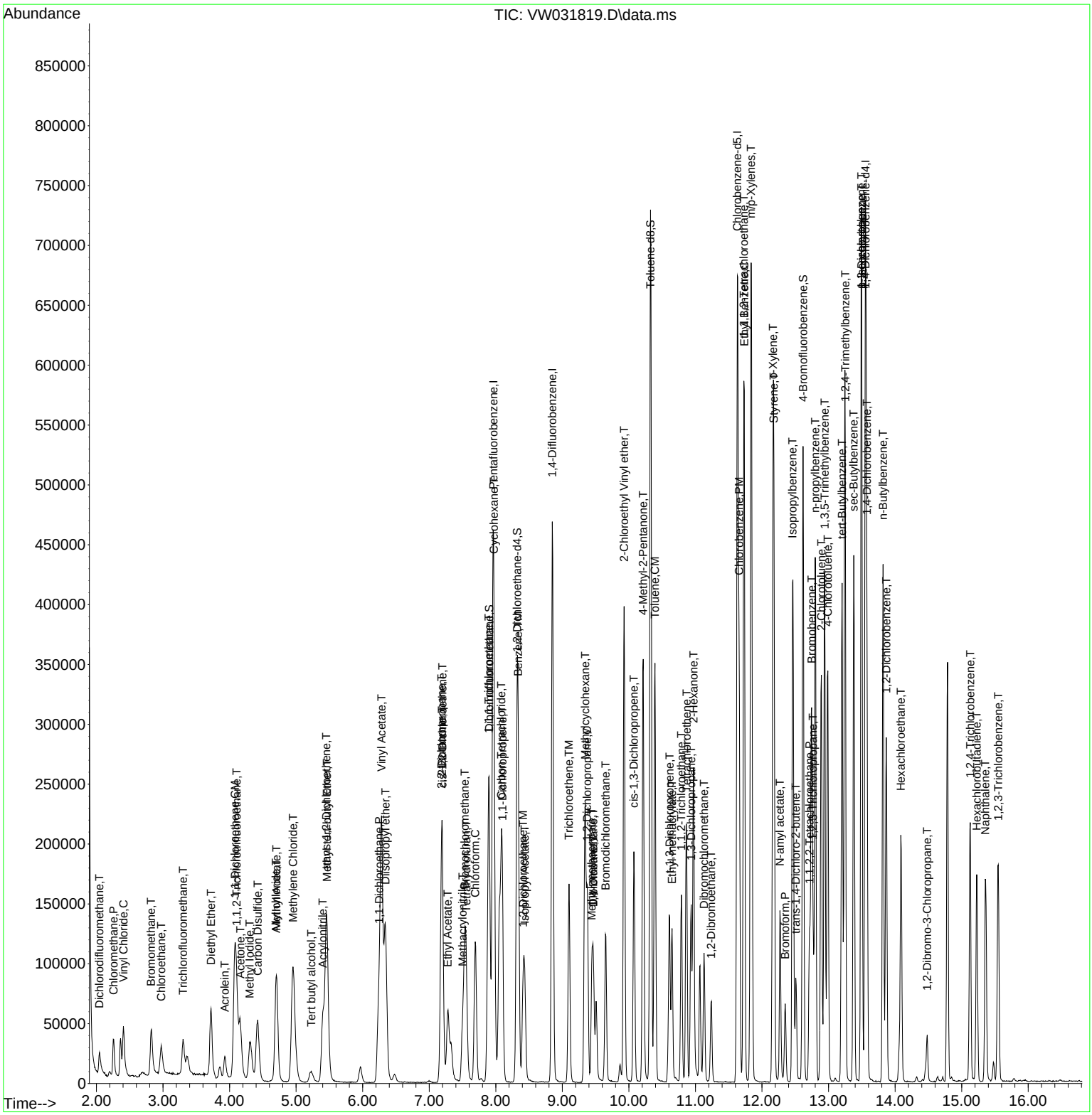
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031819.D
Acq On : 11 Jul 2025 14:48
Operator : SY/MD
Sample : VW0711SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 11 22:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



Raw Data: **VW031820.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VW0711SBSD01	SDG No.:	Q2580
Lab Sample ID:	VW0711SBSD01	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:	Date Analyzed	Prep Batch ID
VW031820.D	1	07/11/25 15:10	VW071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.020		0.0011	0.0050	mg/Kg
74-87-3	Chloromethane	0.020		0.0011	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.020		0.00079	0.0050	mg/Kg
74-83-9	Bromomethane	0.020		0.0011	0.0050	mg/Kg
75-00-3	Chloroethane	0.021		0.0013	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.018		0.0012	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.019		0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.021		0.0010	0.0050	mg/Kg
67-64-1	Acetone	0.084		0.0047	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.018		0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.023		0.00073	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.025		0.0015	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.027		0.0035	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.021		0.00086	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.022		0.00080	0.0050	mg/Kg
110-82-7	Cyclohexane	0.019		0.00079	0.0050	mg/Kg
78-93-3	2-Butanone	0.11		0.0065	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.019		0.00097	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.023		0.00075	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.024		0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.023		0.00084	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00093	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.019		0.00091	0.0050	mg/Kg
71-43-2	Benzene	0.021		0.00079	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.022		0.00079	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00091	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0036	0.025	mg/Kg
108-88-3	Toluene	0.021		0.00078	0.0050	mg/Kg

Raw Data: **VW031820.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VW0711SBSD01	SDG No.:	Q2580
Lab Sample ID:	VW0711SBSD01	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:	Date Analyzed	Prep Batch ID
VW031820.D	1	07/11/25 15:10	VW071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00062	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.022		0.00092	0.0050	mg/Kg
591-78-6	2-Hexanone	0.11		0.0037	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.020		0.00087	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.022		0.00088	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.019		0.0011	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.021		0.00091	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0012	0.010	mg/Kg
95-47-6	o-Xylene	0.021		0.00082	0.0050	mg/Kg
100-42-5	Styrene	0.021		0.00071	0.0050	mg/Kg
75-25-2	Bromoform	0.019		0.00086	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00078	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.021		0.0012	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.0017	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.0015	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.020		0.0018	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.020		0.0030	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.019		0.0032	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		70 (17) - 130 (146)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	7.965			
540-36-3	1,4-Difluorobenzene	393000	8.855			
3114-55-4	Chlorobenzene-d5	358000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.555			

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VW0711SBSD01	SDG No.:	Q2580
Lab Sample ID:	VW0711SBSD01	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:	Date Analyzed	Prep Batch ID
VW031820.D	1	07/11/25 15:10	VW071125

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_W\Data\VW071125\
Data File : VW031820.D
Acq On : 11 Jul 2025 15:10
Operator : SY/MD
Sample : VW0711SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 11 22:49:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	203412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	392643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	357866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	171573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159039	54.481	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 108.960%			
35) Dibromofluoromethane	7.904	113	128512	50.158	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.320%			
50) Toluene-d8	10.330	98	486006	50.972	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.940%			
62) 4-Bromofluorobenzene	12.617	95	182626	52.047	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	27038	19.518	ug/l	100
3) Chloromethane	2.259	50	34044	20.384	ug/l	97
4) Vinyl Chloride	2.411	62	44073	20.077	ug/l	95
5) Bromomethane	2.832	94	33939	19.794	ug/l	93
6) Chloroethane	2.972	64	30579	20.507	ug/l	99
7) Trichlorofluoromethane	3.307	101	35332	17.723	ug/l	94
8) Diethyl Ether	3.722	74	34830	22.992	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	42691	19.293	ug/l	97
10) Methyl Iodide	4.319	142	67543	19.800	ug/l	99
11) Tert butyl alcohol	5.234	59	19043	105.296	ug/l	97
12) 1,1-Dichloroethene	4.082	96	49950	20.608	ug/l	89
13) Acrolein	3.941	56	24174	74.370	ug/l	98
14) Allyl chloride	4.709	41	73309	19.713	ug/l	96
15) Acrylonitrile	5.411	53	80524	108.092	ug/l	100
16) Acetone	4.161	43	60573	83.950	ug/l	98
17) Carbon Disulfide	4.429	76	117326	18.090	ug/l	97
18) Methyl Acetate	4.716	43	51459	24.954	ug/l	99
19) Methyl tert-butyl Ether	5.465	73	92821	22.563	ug/l	100
20) Methylene Chloride	4.959	84	84209	26.917	ug/l	99
21) trans-1,2-Dichloroethene	5.459	96	54660	21.224	ug/l	97
22) Diisopropyl ether	6.343	45	168735	23.265	ug/l	95
23) Vinyl Acetate	6.288	43	541155	109.236	ug/l	98
24) 1,1-Dichloroethane	6.246	63	103194	21.946	ug/l	97
25) 2-Butanone	7.197	43	102648	109.352	ug/l	93
26) 2,2-Dichloropropane	7.191	77	47517	17.320	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	66821	22.571	ug/l	96
28) Bromochloromethane	7.532	49	48805	23.520	ug/l	98
29) Tetrahydrofuran	7.556	42	70330	109.404	ug/l	99
30) Chloroform	7.697	83	114158	22.848	ug/l	100
31) Cyclohexane	7.971	56	80506	19.369	ug/l #	89
32) 1,1,1-Trichloroethane	7.892	97	78991	20.514	ug/l	99
36) 1,1-Dichloropropene	8.099	75	73173	19.736	ug/l	100
37) Ethyl Acetate	7.276	43	46234	19.768	ug/l	98
38) Carbon Tetrachloride	8.087	117	70683	18.708	ug/l	92
39) Methylcyclohexane	9.343	83	87283	18.922	ug/l	98
40) Benzene	8.337	78	231718	21.124	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031820.D
Acq On : 11 Jul 2025 15:10
Operator : SY/MD
Sample : VW0711SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 11 22:49:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.508	41	27154	21.673	ug/l		99
42)	1,2-Dichloroethane	8.416	62	79834	21.540	ug/l		99
43)	Isopropyl Acetate	8.440	43	81859	20.304	ug/l		97
44)	Trichloroethene	9.105	130	54160	19.782	ug/l		91
45)	1,2-Dichloropropane	9.373	63	56258	21.221	ug/l		100
46)	Dibromomethane	9.465	93	37685	22.018	ug/l		93
47)	Bromodichloromethane	9.654	83	85898	21.402	ug/l		96
48)	Methyl methacrylate	9.446	41	40937	20.651	ug/l		100
49)	1,4-Dioxane	9.465	88	7548	376.531	ug/l	#	85
51)	4-Methyl-2-Pentanone	10.215	43	246255	106.244	ug/l		99
52)	Toluene	10.391	92	146575	20.870	ug/l		97
53)	t-1,3-Dichloropropene	10.611	75	76824	20.401	ug/l		99
54)	cis-1,3-Dichloropropene	10.074	75	86527	20.269	ug/l		99
55)	1,1,2-Trichloroethane	10.788	97	49809	22.216	ug/l		97
56)	Ethyl methacrylate	10.647	69	65688	21.596	ug/l		99
57)	1,3-Dichloropropane	10.934	76	86315	21.928	ug/l		98
58)	2-Chloroethyl Vinyl ether	9.928	63	179873	107.393	ug/l		97
59)	2-Hexanone	10.971	43	170031	108.255	ug/l		99
60)	Dibromochloromethane	11.129	129	53999	20.141	ug/l		95
61)	1,2-Dibromoethane	11.239	107	48431	21.578	ug/l		98
64)	Tetrachloroethene	10.867	164	44013	18.802	ug/l		92
65)	Chlorobenzene	11.659	112	163283	20.680	ug/l		92
66)	1,1,1,2-Tetrachloroethane	11.726	131	52231	20.759	ug/l		94
67)	Ethyl Benzene	11.733	91	278821	20.364	ug/l		95
68)	m/p-Xylenes	11.836	106	211012	40.092	ug/l		98
69)	o-Xylene	12.165	106	100967	20.719	ug/l		99
70)	Styrene	12.178	104	176087	20.901	ug/l		99
71)	Bromoform	12.348	173	28701	19.121	ug/l	#	98
73)	Isopropylbenzene	12.464	105	256245	19.634	ug/l		97
74)	N-amyl acetate	12.269	43	73246	20.823	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.714	83	60618	20.922	ug/l		100
76)	1,2,3-Trichloropropane	12.769	75	48279m	21.775	ug/l		
77)	Bromobenzene	12.745	156	59985	20.608	ug/l		94
78)	n-propylbenzene	12.799	91	319958	20.473	ug/l		96
79)	2-Chlorotoluene	12.891	91	192096	20.412	ug/l		98
80)	1,3,5-Trimethylbenzene	12.940	105	217817	20.163	ug/l		100
81)	trans-1,4-Dichloro-2-b...	12.513	75	17121	17.985	ug/l		92
82)	4-Chlorotoluene	12.988	91	204787	20.727	ug/l		100
83)	tert-Butylbenzene	13.202	119	177036	19.132	ug/l		98
84)	1,2,4-Trimethylbenzene	13.251	105	226223	20.668	ug/l		98
85)	sec-Butylbenzene	13.379	105	268446	19.327	ug/l		99
86)	p-Isopropyltoluene	13.494	119	229404	20.041	ug/l		98
87)	1,3-Dichlorobenzene	13.494	146	121573	20.827	ug/l		98
88)	1,4-Dichlorobenzene	13.574	146	118984	19.914	ug/l		91
89)	n-Butylbenzene	13.818	91	216660	19.481	ug/l		98
90)	Hexachloroethane	14.092	117	38781	18.779	ug/l		94
91)	1,2-Dichlorobenzene	13.866	146	108452	20.327	ug/l		93
92)	1,2-Dibromo-3-Chloropr...	14.482	75	11136	19.684	ug/l		90
93)	1,2,4-Trichlorobenzene	15.128	180	64504	19.604	ug/l		95
94)	Hexachlorobutadiene	15.226	225	27853	17.530	ug/l		88
95)	Naphthalene	15.360	128	159171	19.731	ug/l		99
96)	1,2,3-Trichlorobenzene	15.549	180	58216	19.255	ug/l		94

Sample Results: **VW031820.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031820.D
Acq On : 11 Jul 2025 15:10
Operator : SY/MD
Sample : VW0711SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 11 22:49:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

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

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

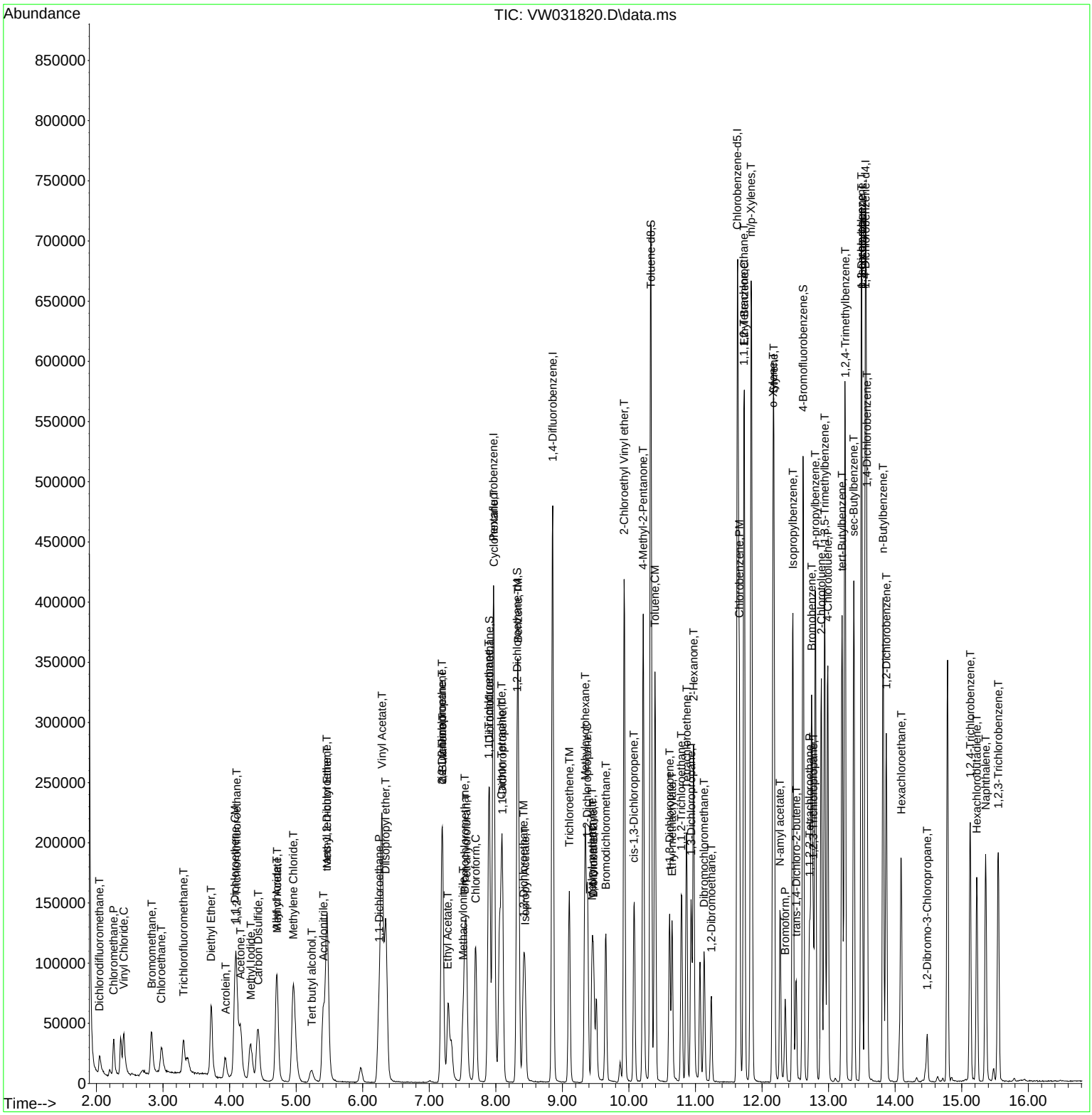
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031820.D
Acq On : 11 Jul 2025 15:10
Operator : SY/MD
Sample : VW0711SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 11 22:49:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



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

Manual Integration Report

Sequence:	VW063025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW031729.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	1,4-Dioxane	MMDadoda	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Acetone	MMDadoda	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Ethyl Acetate	MMDadoda	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Tert butyl alcohol	MMDadoda	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	1,4-Dioxane	MMDadoda	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	Tert butyl alcohol	MMDadoda	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC020	VW031731.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:36 PM	SAM	7/1/2025 12:24:13 PM	Peak Integrated by Software
VSTDICC020	VW031731.D	1,4-Dioxane	MMDadoda	7/1/2025 12:21:36 PM	SAM	7/1/2025 12:24:13 PM	Peak Integrated by Software
VSTDICCC050	VW031732.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:38 PM	SAM	7/1/2025 12:24:15 PM	Peak Integrated by Software
VSTDICC100	VW031733.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:40 PM	SAM	7/1/2025 12:24:18 PM	Peak Integrated by Software
VSTDICC150	VW031734.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:41 PM	SAM	7/1/2025 12:24:20 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW063025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VW031736.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:42 PM	SAM	7/1/2025 12:24:21 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW071125	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW031817.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:43:13 AM	Sam	7/14/2025 7:53:07 AM	Peak Integrated by Software
VW0711SBS01	VW031819.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:43:14 AM	Sam	7/14/2025 7:53:08 AM	Peak Integrated by Software
VW0711SBSD01	VW031820.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:43:16 AM	Sam	7/14/2025 7:53:09 AM	Peak Integrated by Software
VSTDCCC050	VW031834.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:43:18 AM	Sam	7/14/2025 7:53:11 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW063025

Review By	Mahesh Dadoda	Review On	7/1/2025 12:21:51 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/1/2025 12:24:32 PM				
SubDirectory	VW063025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134578
Initial Calibration Stds	VP134581,VP134582,VP134583,VP134584,VP134585,VP134586
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031728.D	30 Jun 2025 08:56	SY/MD	Ok
2	VSTDICC005	VW031729.D	30 Jun 2025 09:54	SY/MD	Ok,M
3	VSTDICC010	VW031730.D	30 Jun 2025 10:15	SY/MD	Ok,M
4	VSTDICC020	VW031731.D	30 Jun 2025 10:58	SY/MD	Ok,M
5	VSTDICCC050	VW031732.D	30 Jun 2025 11:21	SY/MD	Ok,M
6	VSTDICC100	VW031733.D	30 Jun 2025 12:34	SY/MD	Ok,M
7	VSTDICC150	VW031734.D	30 Jun 2025 12:55	SY/MD	Ok,M
8	VIBLK	VW031735.D	30 Jun 2025 14:11	SY/MD	Ok
9	VSTDICV050	VW031736.D	30 Jun 2025 15:23	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_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW071125

Review By	Mahesh Dadoda	Review On	7/14/2025 7:43:27 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:53:13 AM				
SubDirectory	VW071125	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134724
Initial Calibration Stds	
CCC	VP134725,VP134726
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	VW031816.D	11 Jul 2025 11:20	SY/MD	Ok
2	VSTDCCC050	VW031817.D	11 Jul 2025 11:50	SY/MD	Ok,M
3	VW0711SBL01	VW031818.D	11 Jul 2025 14:18	SY/MD	Ok
4	VW0711SBS01	VW031819.D	11 Jul 2025 14:48	SY/MD	Ok,M
5	VW0711SBSD01	VW031820.D	11 Jul 2025 15:10	SY/MD	Ok,M
6	Q2542-01	VW031821.D	11 Jul 2025 15:48	SY/MD	Ok
7	Q2542-01	VW031822.D	11 Jul 2025 16:10	SY/MD	Not Ok
8	Q2560-03	VW031823.D	11 Jul 2025 16:32	SY/MD	ReRun
9	Q2537-02	VW031824.D	11 Jul 2025 16:54	SY/MD	Ok
10	Q2546-03	VW031825.D	11 Jul 2025 17:16	SY/MD	Ok
11	Q2564-01	VW031826.D	11 Jul 2025 17:38	SY/MD	Ok
12	Q2564-03	VW031827.D	11 Jul 2025 18:00	SY/MD	Ok
13	Q2564-05	VW031828.D	11 Jul 2025 18:22	SY/MD	Ok
14	Q2571-03	VW031829.D	11 Jul 2025 18:44	SY/MD	Ok
15	Q2571-07	VW031830.D	11 Jul 2025 19:06	SY/MD	Ok
16	Q2580-01	VW031831.D	11 Jul 2025 19:28	SY/MD	Ok
17	Q2565-02	VW031832.D	11 Jul 2025 19:50	SY/MD	Ok
18	VIBLK	VW031833.D	11 Jul 2025 20:12	SY/MD	Ok
19	VSTDCCC050	VW031834.D	11 Jul 2025 20:34	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_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW063025

Review By	Mahesh Dadoda	Review On	7/1/2025 12:21:51 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/1/2025 12:24:32 PM		
SubDirectory	VW063025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134578
Initial Calibration Stds	VP134581,VP134582,VP134583,VP134584,VP134585,VP134586
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031728.D	30 Jun 2025 08:56		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW031729.D	30 Jun 2025 09:54		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW031730.D	30 Jun 2025 10:15	8260-soil-method	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW031731.D	30 Jun 2025 10:58		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW031732.D	30 Jun 2025 11:21	Comp. #20 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW031733.D	30 Jun 2025 12:34		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW031734.D	30 Jun 2025 12:55		SY/MD	Ok,M
8	VIBLK	VIBLK	VW031735.D	30 Jun 2025 14:11		SY/MD	Ok
9	VSTDICV050	ICVVW063025	VW031736.D	30 Jun 2025 15:23		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_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW071125

Review By	Mahesh Dadoda	Review On	7/14/2025 7:43:27 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:53:13 AM		
SubDirectory	VW071125	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134724
Initial Calibration Stds	
CCC	VP134725,VP134726
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	VW031816.D	11 Jul 2025 11:20		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW031817.D	11 Jul 2025 11:50		SY/MD	Ok,M
3	VW0711SBL01	VW0711SBL01	VW031818.D	11 Jul 2025 14:18		SY/MD	Ok
4	VW0711SBS01	VW0711SBS01	VW031819.D	11 Jul 2025 14:48		SY/MD	Ok,M
5	VW0711SBSD01	VW0711SBSD01	VW031820.D	11 Jul 2025 15:10		SY/MD	Ok,M
6	Q2542-01	VNJ-245	VW031821.D	11 Jul 2025 15:48	vial-A	SY/MD	Ok
7	Q2542-01	VNJ-245	VW031822.D	11 Jul 2025 16:10	vial-B Already Analyzed	SY/MD	Not Ok
8	Q2560-03	LP-7102025-VOC	VW031823.D	11 Jul 2025 16:32	vial-A Internal Standard Fail	SY/MD	ReRun
9	Q2537-02	TR-04-7.9-2025	VW031824.D	11 Jul 2025 16:54	vial-A	SY/MD	Ok
10	Q2546-03	HD-02-7-9-2025	VW031825.D	11 Jul 2025 17:16	vial-A	SY/MD	Ok
11	Q2564-01	ARS20-0030	VW031826.D	11 Jul 2025 17:38	vial-A	SY/MD	Ok
12	Q2564-03	ARS20-0013	VW031827.D	11 Jul 2025 18:00	vial-A	SY/MD	Ok
13	Q2564-05	ARS20-0039	VW031828.D	11 Jul 2025 18:22	vial-A	SY/MD	Ok
14	Q2571-03	TP-18 VOC	VW031829.D	11 Jul 2025 18:44	vial-A	SY/MD	Ok
15	Q2571-07	TP-17-VOC	VW031830.D	11 Jul 2025 19:06	vial-A	SY/MD	Ok
16	Q2580-01	WC-URBAN-FILL-B1	VW031831.D	11 Jul 2025 19:28	vial-A	SY/MD	Ok
17	Q2565-02	MOO-25-0194-0195	VW031832.D	11 Jul 2025 19:50	vial-A	SY/MD	Ok
18	VIBLK	VIBLK	VW031833.D	11 Jul 2025 20:12		SY/MD	Ok

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW071125

Review By	Mahesh Dadoda	Review On	7/14/2025 7:43:27 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:53:13 AM		
SubDirectory	VW071125	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134724
Initial Calibration Stds	
CCC	VP134725,VP134726
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VW031834.D	11 Jul 2025 20:34		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/14/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136437

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
Q2561-01	AUD-25-0115	1	1.15	10.37	11.52	11.33	98.2	
Q2561-02	AUD-25-0116	2	1.13	10.33	11.46	11.22	97.7	
Q2578-02	WC-A5-01-C	13	1.15	10.23	11.38	9.84	84.9	
Q2578-06	WC-A2-09-C	14	1.18	10.33	11.51	8.94	75.1	
Q2578-10	WC-A2-10-C	15	1.15	10.33	11.48	8.58	71.9	
Q2578-14	WC-A2-11-C	16	1.16	10.44	11.6	9.81	82.9	
Q2578-18	WC-A2-12-C	17	1.18	10.29	11.47	7.91	65.4	
Q2579-02	WC-A2-13-C	18	1.19	10.53	11.72	8.78	72.1	
Q2579-06	WC-A2-14-C	19	1.12	10.54	11.66	9.82	82.5	
Q2580-01	WC-URBAN-FILL-B1	20	1.18	10.04	11.22	10.6	93.8	
Q2580-02	WC-URBAN-FILL-B2	21	1.17	10.82	11.99	11.4	94.5	
Q2581-05	SVOC-GPC-BLANK	3	1.00	1.00	2.00	2.00	100.0	
Q2581-06	PEST-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2581-07	PEST-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q2581-08	PCB-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q2581-09	PCB-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
Q2581-10	SVOC-GPC2-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2581-11	PEST-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q2581-12	PEST-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q2581-13	PCB-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2581-14	PCB-GCP2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2586-01	TP-16	22	1.18	10.21	11.39	10.36	89.9	
Q2586-02	TP-16-EPH	23	1.15	10.84	11.99	11.34	94.0	
Q2586-03	TP-16-VOC	24	1.13	10.44	11.57	10.45	89.3	
Q2587-01	E-2257	25	1.00	1.00	2.00	2.00	100.0	oil sample
Q2587-02	F-2258	26	1.00	1.00	2.00	2.00	100.0	oil sample
Q2587-03	O-2267	27	1.00	1.00	2.00	2.00	100.0	oil sample
Q2589-01	AU-6-071125	28	1.15	10.43	11.58	10.35	88.2	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/14/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136437

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
Q2590-01	NB-7-071125	29	1.14	10.44	11.58	11.23	96.6	
Q2590-02	NB-7-071125-E2	30	1.13	10.74	11.87	10.71	89.2	
Q2591-01	72-12000-1	31	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2591-02	72-12000-2	32	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2591-03	NWB-2188	33	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

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

WORKLIST(Hardcopy Internal Chain)

VB 136437

WorkList Name : %1-071125 **WorkList ID :** 190653 **Department :** Wet-Chemistry **Date :** 07-11-2025 07:59:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2581-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2561-01	AUD-25-0115	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-02	AUD-25-0116	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2586-01	TP-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2586-02	TP-16-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2586-03	TP-16-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2587-01	E-2257	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2587-02	F-2258	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2587-03	O-2267	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2591-01	72-12000-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2591-02	72-12000-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2591-03	NWB-2188	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO

Date/Time 07-11-25 1500

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 07-11-25 1730

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 136437

WorkList Name : %1-071125 **WorkList ID :** 190653 **Department :** Wet-Chemistry **Date :** 07-11-2025 07:59:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2590-02	NB-07-071125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	07/11/2025	Chemtech -SO
Q2589-01	AU-06-071125	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	07/11/2025	Chemtech -SO
Q2590-01	NB-07-071125	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	07/11/2025	Chemtech -SO
Q2578-02	WC-A5-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2578-06	WC-A2-09-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2578-10	WC-A2-10-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2578-14	WC-A2-11-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2578-18	WC-A2-12-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2579-02	WC-A2-13-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2579-06	WC-A2-14-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2580-01	WC-URBAN-FILL-B1	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2580-02	WC-URBAN-FILL-B2	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO

Date/Time 07-11-25 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 07-11-25 1730

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2580

COC Number: 2042103

CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY: Jersey City STATE: NJ ZIP: 07302
ATTENTION: Austin Farmerie
PHONE: 412-716-1366 FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY
PROJECT #: E9309 LOCATION: Brooklyn, NY
PROJECT MANAGER: Austin Farmerie
E-MAIL: afarmerie@entact.com
PHONE: 412-716-1366 FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

DATA TURNAROUND INFORMATION

FAX: 1 DAYS*
HARD COPY: DAYS*
EDD 1 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

	1	2	3	4	5	6	7	8	9
	TPH	TOTAL VOCs	PAHs	Total Metals - RCRA 8					
PRESERVATIVES	E	E	E	E					

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9	COMMENTS
1.	WC-URBAN-FILL-B1	Soil	X				3		X								
2.	WC-URBAN-FILL-B2	Soil	X				2	X		X	X						
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

	DATE/TIME		
RELINQUISHED BY SAMPLER 1. Austin Farmerie	7/10/25 1350	RECEIVED BY 1.	7-10-25 1350
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	7-10-25 1527	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 4.4 C ☐ Ice in Cooler?:

Comments:

Page of

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR 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 : Q2580 ENTA05
Client Name : ENTACT
Client Contact : Austin Farmerie
Invoice Name : ENTACT
Invoice Contact : Austin Farmerie

Order Date : 7/10/2025 3:40:00 PM
Project Name : 540 Degraw St, Brooklyn, N
Receive DateTime : 7/10/2025 3:27:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 1
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff : 7/11/2025 1:35:00 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q2580-01	WC-URBAN-FILL-B1	Solid	07/10/2025	00:00						
					VOC-TCLVOA-10		8260D	1 Bus. Day	07/14/2025	

Relinquished By : _____
Date / Time : 7-11-25 16:10

Received By : _____
Date / Time : 7-11-25 10:10
Storage Area : VOA Refridgerator Room