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:	Q3466	**OrderDate:**	10/24/2025 3:18:10 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3466-01	**B8-0.5-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			VOC-TCLVOA-10	8260D			10/27/25	
Q3466-04	**B9-0.5-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			VOC-TCLVOA-10	8260D			10/27/25	
Q3466-06	**B7-1.5-2.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			VOC-TCLVOA-10	8260D			10/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3466

Client: HDR, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: Q3466

Client: HDR, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3466-01	B8-0.5-1.0-20251023	1,2-Dichloroethane-d4	50	52.5	105		70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102		70 (70)	130 (134)
		Toluene-d8	50	49.1	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.7	83		70 (17)	130 (146)
Q3466-04	B9-0.5-1.0-20251023	1,2-Dichloroethane-d4	50	50.5	101		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	48.4	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	38.6	77		70 (17)	130 (146)
Q3466-06	B7-1.5-2.0-20251023	1,2-Dichloroethane-d4	50	50.8	102		70 (63)	130 (155)
		Dibromofluoromethane	50	49.6	99		70 (70)	130 (134)
		Toluene-d8	50	49.0	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.5	83		70 (17)	130 (146)
VY1027SBL01	VY1027SBL01	1,2-Dichloroethane-d4	50	48.7	97		70 (63)	130 (155)
		Dibromofluoromethane	50	49.6	99		70 (70)	130 (134)
		Toluene-d8	50	48.5	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	39.7	79		70 (17)	130 (146)
VY1027SBS01	VY1027SBS01	1,2-Dichloroethane-d4	50	46.7	93		70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101		70 (70)	130 (134)
		Toluene-d8	50	49.1	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.1	98		70 (17)	130 (146)
VY1027SBSD01	VY1027SBSD01	1,2-Dichloroethane-d4	50	47.7	95		70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	102		70 (70)	130 (134)
		Toluene-d8	50	50.7	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.9	100		70 (17)	130 (146)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VY023587.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1027SBS01	Dichlorodifluoromethane	20	20.0	ug/Kg	100			40 (64)	160 (136)	
	Chloromethane	20	18.5	ug/Kg	93			40 (52)	160 (151)	
	Vinyl chloride	20	19.2	ug/Kg	96			70 (56)	130 (148)	
	Bromomethane	20	20.8	ug/Kg	104			40 (58)	160 (141)	
	Chloroethane	20	20.0	ug/Kg	100			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.6	ug/Kg	103			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.4	ug/Kg	102			70 (79)	130 (121)	
	Acetone	100	130	ug/Kg	130			40 (40)	160 (171)	
	Carbon disulfide	20	19.4	ug/Kg	97			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	19.7	ug/Kg	99			70 (77)	130 (129)	
	Methyl Acetate	20	15.3	ug/Kg	77			70 (69)	130 (149)	
	Methylene Chloride	20	19.6	ug/Kg	98			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	Cyclohexane	20	20.0	ug/Kg	100			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.6	ug/Kg	108			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108			70 (82)	130 (123)	
	Bromochloromethane	20	20.5	ug/Kg	103			70 (80)	130 (127)	
	Chloroform	20	21.8	ug/Kg	109			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.8	ug/Kg	109			70 (80)	130 (126)	
	Methylcyclohexane	20	20.5	ug/Kg	103			70 (77)	130 (123)	
	Benzene	20	21.6	ug/Kg	108			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.9	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	21.8	ug/Kg	109			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.6	ug/Kg	108			70 (83)	130 (122)	
	Bromodichloromethane	20	21.6	ug/Kg	108			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	95.4	ug/Kg	95			40 (70)	160 (135)	
	Toluene	20	21.6	ug/Kg	108			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.5	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	21.0	ug/Kg	105			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.8	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.6	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	22.5	ug/Kg	113			70 (83)	130 (125)	
	Chlorobenzene	20	21.4	ug/Kg	107			70 (84)	130 (122)	
	Ethyl Benzene	20	21.3	ug/Kg	106			70 (82)	130 (124)	
	m/p-Xylenes	40	43.5	ug/Kg	109			70 (83)	130 (124)	
	o-Xylene	20	21.4	ug/Kg	107			70 (83)	130 (123)	
	Styrene	20	21.3	ug/Kg	106			70 (82)	130 (124)	
	Bromoform	20	20.4	ug/Kg	102			70 (75)	130 (127)	
	Isopropylbenzene	20	21.0	ug/Kg	105			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.2	ug/Kg	106			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VY023587.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1027SBS01	1,2-Dibromo-3-Chloropropane	20	18.3	ug/Kg	92			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.3	ug/Kg	97			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VY023588.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1027SBSD01	Dichlorodifluoromethane	20	21.2	ug/Kg	106	6		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.8	ug/Kg	99	6		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	20.5	ug/Kg	103	7		70 (56)	130 (148)	30 (20)
	Bromomethane	20	21.6	ug/Kg	108	4		40 (58)	160 (141)	30 (20)
	Chloroethane	20	21.4	ug/Kg	107	7		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.3	ug/Kg	106	3		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	22.3	ug/Kg	112	4		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	21.3	ug/Kg	106	4		70 (79)	130 (121)	30 (20)
	Acetone	100	140	ug/Kg	140	7		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	20.3	ug/Kg	102	5		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	20.8	ug/Kg	104	5		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.3	ug/Kg	97	23		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.1	ug/Kg	106	8		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	21.7	ug/Kg	109	4		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	22.1	ug/Kg	111	6		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	20.4	ug/Kg	102	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	120	ug/Kg	120	9		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	22.4	ug/Kg	112	4		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	22.5	ug/Kg	113	5		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	21.4	ug/Kg	107	4		70 (80)	130 (127)	30 (20)
	Chloroform	20	22.8	ug/Kg	114	4		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	22.3	ug/Kg	112	3		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	21.2	ug/Kg	106	3		70 (77)	130 (123)	30 (20)
	Benzene	20	22.7	ug/Kg	114	5		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.8	ug/Kg	109	5		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	22.2	ug/Kg	111	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	22.6	ug/Kg	113	5		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	22.4	ug/Kg	112	4		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	5		40 (70)	160 (135)	30 (20)
	Toluene	20	22.8	ug/Kg	114	5		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106	3		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	22.2	ug/Kg	111	6		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.7	ug/Kg	114	8		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.9	ug/Kg	110	6		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	21.7	ug/Kg	109	6		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	23.1	ug/Kg	116	3		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	22.6	ug/Kg	113	5		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	22.2	ug/Kg	111	5		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	44.6	ug/Kg	112	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	21.9	ug/Kg	110	3		70 (83)	130 (123)	30 (20)
	Styrene	20	22.3	ug/Kg	112	6		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.7	ug/Kg	109	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	22.2	ug/Kg	111	6		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.9	ug/Kg	104	9		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	21.9	ug/Kg	110	4		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	21.9	ug/Kg	110	6		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	22.0	ug/Kg	110	4		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VY023588.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1027SBSD01	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100	8		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.2	ug/Kg	101	4		70 (70)	130 (137)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1027SBL01

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab File ID: VY023586.D Lab Sample ID: VY1027SBL01

Date Analyzed: 10/27/2025 Time Analyzed: 09:47

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1027SBS01	VY1027SBS01	VY023587.D	10/27/2025
VY1027SBSD01	VY1027SBSD01	VY023588.D	10/27/2025
B8-0.5-1.0-20251023	Q3466-01	VY023591.D	10/27/2025
B9-0.5-1.0-20251023	Q3466-04	VY023592.D	10/27/2025
B7-1.5-2.0-20251023	Q3466-06	VY023593.D	10/27/2025

COMMENTS:

Raw Data: **VY023383.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG NO.: Q3466
Lab File ID: VY023383.D
BFB Injection Date: 10/07/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 08:43
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023384.D	10/07/2025	09:17
VSTDICC010	VSTDICC010	VY023385.D	10/07/2025	10:02
VSTDICC020	VSTDICC020	VY023386.D	10/07/2025	11:24
VSTDICCC050	VSTDICCC050	VY023387.D	10/07/2025	11:47
VSTDICC100	VSTDICC100	VY023388.D	10/07/2025	12:09
VSTDICC150	VSTDICC150	VY023389.D	10/07/2025	12:32

Raw Data: **VY023584.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3466

Lab File ID: VY023584.D | BFB Injection Date: 10/27/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:37

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.7
75	30.0 - 60.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.1 (1.1) 1
174	50.0 - 100.0% of mass 95	97.5
175	5.0 - 9.0% of mass 174	7.1 (7.3) 1
176	95.0 - 101.0% of mass 174	93.9 (96.3) 1
177	5.0 - 9.0% of mass 176	6.3 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023585.D	10/27/2025	09:12
VY1027SBL01	VY1027SBL01	VY023586.D	10/27/2025	09:47
VY1027SBS01	VY1027SBS01	VY023587.D	10/27/2025	10:17
VY1027SBSD01	VY1027SBSD01	VY023588.D	10/27/2025	10:39
B8-0.5-1.0-20251023	Q3466-01	VY023591.D	10/27/2025	12:07
B9-0.5-1.0-20251023	Q3466-04	VY023592.D	10/27/2025	12:30
B7-1.5-2.0-20251023	Q3466-06	VY023593.D	10/27/2025	12:54

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab File ID: VY023585.D Date Analyzed: 10/27/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:12

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	515413	7.71	730664	8.62	639546	11.41
UPPER LIMIT	1030830	8.207	1461330	9.116	1279090	11.914
LOWER LIMIT	257707	7.207	365332	8.116	319773	10.914
EPA SAMPLE NO.						
B8-0.5-1.0-20251023	731403	7.71	1204392	8.62	997355	11.41
B9-0.5-1.0-20251023	745194	7.71	1231218	8.62	979970	11.41
B7-1.5-2.0-20251023	731194	7.71	1218761	8.62	996988	11.41
VY1027SBL01	818713	7.71	1317250	8.62	1075350	11.42
VY1027SBS01	499774	7.71	732575	8.62	644176	11.42
VY1027SBSD01	484571	7.71	706753	8.62	619972	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab File ID: VY023585.D Date Analyzed: 10/27/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:12

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

	IS4 AREA #	RT #				
12 HOUR STD	333946	13.346				
UPPER LIMIT	667892	13.846				
LOWER LIMIT	166973	12.846				
EPA SAMPLE NO.						
B8-0.5-1.0-20251023	392869	13.35				
B9-0.5-1.0-20251023	361763	13.35				
B7-1.5-2.0-20251023	398135	13.35				
VY1027SBL01	410194	13.35				
VY1027SBS01	345467	13.35				
VY1027SBSD01	325402	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VY023591.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.5-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 81.5
Sample Wt/Vol:	6.29 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	4.90	ug/Kg	10/27/25 12:07	VY102725
74-87-3	Chloromethane	1.10	U	1	1.10	4.90	ug/Kg	10/27/25 12:07	VY102725
75-01-4	Vinyl Chloride	0.77	U	1	0.77	4.90	ug/Kg	10/27/25 12:07	VY102725
74-83-9	Bromomethane	1.00	U	1	1.00	4.90	ug/Kg	10/27/25 12:07	VY102725
75-00-3	Chloroethane	1.20	U	1	1.20	4.90	ug/Kg	10/27/25 12:07	VY102725
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	4.90	ug/Kg	10/27/25 12:07	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	1.00	4.90	ug/Kg	10/27/25 12:07	VY102725
75-35-4	1,1-Dichloroethene	0.98	U	1	0.98	4.90	ug/Kg	10/27/25 12:07	VY102725
67-64-1	Acetone	4.60	U	1	4.60	24.4	ug/Kg	10/27/25 12:07	VY102725
75-15-0	Carbon Disulfide	1.00	U	1	1.00	4.90	ug/Kg	10/27/25 12:07	VY102725
1634-04-4	Methyl tert-butyl Ether	0.71	U	1	0.71	4.90	ug/Kg	10/27/25 12:07	VY102725
79-20-9	Methyl Acetate	1.50	U	1	1.50	4.90	ug/Kg	10/27/25 12:07	VY102725
75-09-2	Methylene Chloride	3.40	U	1	3.40	9.80	ug/Kg	10/27/25 12:07	VY102725
156-60-5	trans-1,2-Dichloroethene	0.84	U	1	0.84	4.90	ug/Kg	10/27/25 12:07	VY102725
75-34-3	1,1-Dichloroethane	0.78	U	1	0.78	4.90	ug/Kg	10/27/25 12:07	VY102725
110-82-7	Cyclohexane	0.77	U	1	0.77	4.90	ug/Kg	10/27/25 12:07	VY102725
78-93-3	2-Butanone	6.40	U	1	6.40	24.4	ug/Kg	10/27/25 12:07	VY102725
56-23-5	Carbon Tetrachloride	0.95	U	1	0.95	4.90	ug/Kg	10/27/25 12:07	VY102725
156-59-2	cis-1,2-Dichloroethene	0.73	U	1	0.73	4.90	ug/Kg	10/27/25 12:07	VY102725
74-97-5	Bromochloromethane	1.10	U	1	1.10	4.90	ug/Kg	10/27/25 12:07	VY102725
67-66-3	Chloroform	0.82	U	1	0.82	4.90	ug/Kg	10/27/25 12:07	VY102725
71-55-6	1,1,1-Trichloroethane	0.91	U	1	0.91	4.90	ug/Kg	10/27/25 12:07	VY102725
108-87-2	Methylcyclohexane	0.89	U	1	0.89	4.90	ug/Kg	10/27/25 12:07	VY102725
71-43-2	Benzene	0.77	U	1	0.77	4.90	ug/Kg	10/27/25 12:07	VY102725
107-06-2	1,2-Dichloroethane	0.77	U	1	0.77	4.90	ug/Kg	10/27/25 12:07	VY102725
79-01-6	Trichloroethene	0.79	U	1	0.79	4.90	ug/Kg	10/27/25 12:07	VY102725
78-87-5	1,2-Dichloropropane	0.89	U	1	0.89	4.90	ug/Kg	10/27/25 12:07	VY102725
75-27-4	Bromodichloromethane	0.76	U	1	0.76	4.90	ug/Kg	10/27/25 12:07	VY102725
108-10-1	4-Methyl-2-Pentanone	3.50	U	1	3.50	24.4	ug/Kg	10/27/25 12:07	VY102725
108-88-3	Toluene	0.76	U	1	0.76	4.90	ug/Kg	10/27/25 12:07	VY102725
10061-02-6	t-1,3-Dichloropropene	0.63	U	1	0.63	4.90	ug/Kg	10/27/25 12:07	VY102725
10061-01-5	cis-1,3-Dichloropropene	0.60	U	1	0.60	4.90	ug/Kg	10/27/25 12:07	VY102725
79-00-5	1,1,2-Trichloroethane	0.90	U	1	0.90	4.90	ug/Kg	10/27/25 12:07	VY102725
591-78-6	2-Hexanone	3.60	U	1	3.60	24.4	ug/Kg	10/27/25 12:07	VY102725
124-48-1	Dibromochloromethane	0.85	U	1	0.85	4.90	ug/Kg	10/27/25 12:07	VY102725
106-93-4	1,2-Dibromoethane	0.86	U	1	0.86	4.90	ug/Kg	10/27/25 12:07	VY102725
127-18-4	Tetrachloroethene	1.00	U	1	1.00	4.90	ug/Kg	10/27/25 12:07	VY102725
108-90-7	Chlorobenzene	0.89	U	1	0.89	4.90	ug/Kg	10/27/25 12:07	VY102725
100-41-4	Ethyl Benzene	0.65	U	1	0.65	4.90	ug/Kg	10/27/25 12:07	VY102725
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	9.80	ug/Kg	10/27/25 12:07	VY102725
95-47-6	o-Xylene	0.80	U	1	0.80	4.90	ug/Kg	10/27/25 12:07	VY102725
100-42-5	Styrene	0.69	U	1	0.69	4.90	ug/Kg	10/27/25 12:07	VY102725
75-25-2	Bromoform	0.84	U	1	0.84	4.90	ug/Kg	10/27/25 12:07	VY102725

Raw Data: **VY023591.D**

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.5-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-01	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	81.5
Sample Wt/Vol:	6.29 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.76	U	1	0.76	4.90	ug/Kg	10/27/25 12:07	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	4.90	ug/Kg	10/27/25 12:07	VY102725
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	4.90	ug/Kg	10/27/25 12:07	VY102725
106-46-7	1,4-Dichlorobenzene	1.50	U	1	1.50	4.90	ug/Kg	10/27/25 12:07	VY102725
95-50-1	1,2-Dichlorobenzene	1.40	U	1	1.40	4.90	ug/Kg	10/27/25 12:07	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	4.90	ug/Kg	10/27/25 12:07	VY102725
120-82-1	1,2,4-Trichlorobenzene	2.90	U	1	2.90	4.90	ug/Kg	10/27/25 12:07	VY102725
87-61-6	1,2,3-Trichlorobenzene	3.10	U	1	3.10	4.90	ug/Kg	10/27/25 12:07	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.5			70 (63) - 130 (155)	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			70 (70) - 130 (134)	102%	SPK: 50		
2037-26-5	Toluene-d8	49.1			70 (74) - 130 (123)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.7			70 (17) - 130 (146)	83%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	731000							
540-36-3	1,4-Difluorobenzene	1200000							
3114-55-4	Chlorobenzene-d5	997000							
3855-82-1	1,4-Dichlorobenzene-d4	393000							

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: **VY023591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Quant Time: Oct 28 04:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	731403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1204392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	997355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	392869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	320975	52.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.960%			
35) Dibromofluoromethane	7.634	113	376712	50.904	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.800%			
50) Toluene-d8	10.109	98	1353397	49.108	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.220%			
62) 4-Bromofluorobenzene	12.408	95	379541	41.713	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.420%			

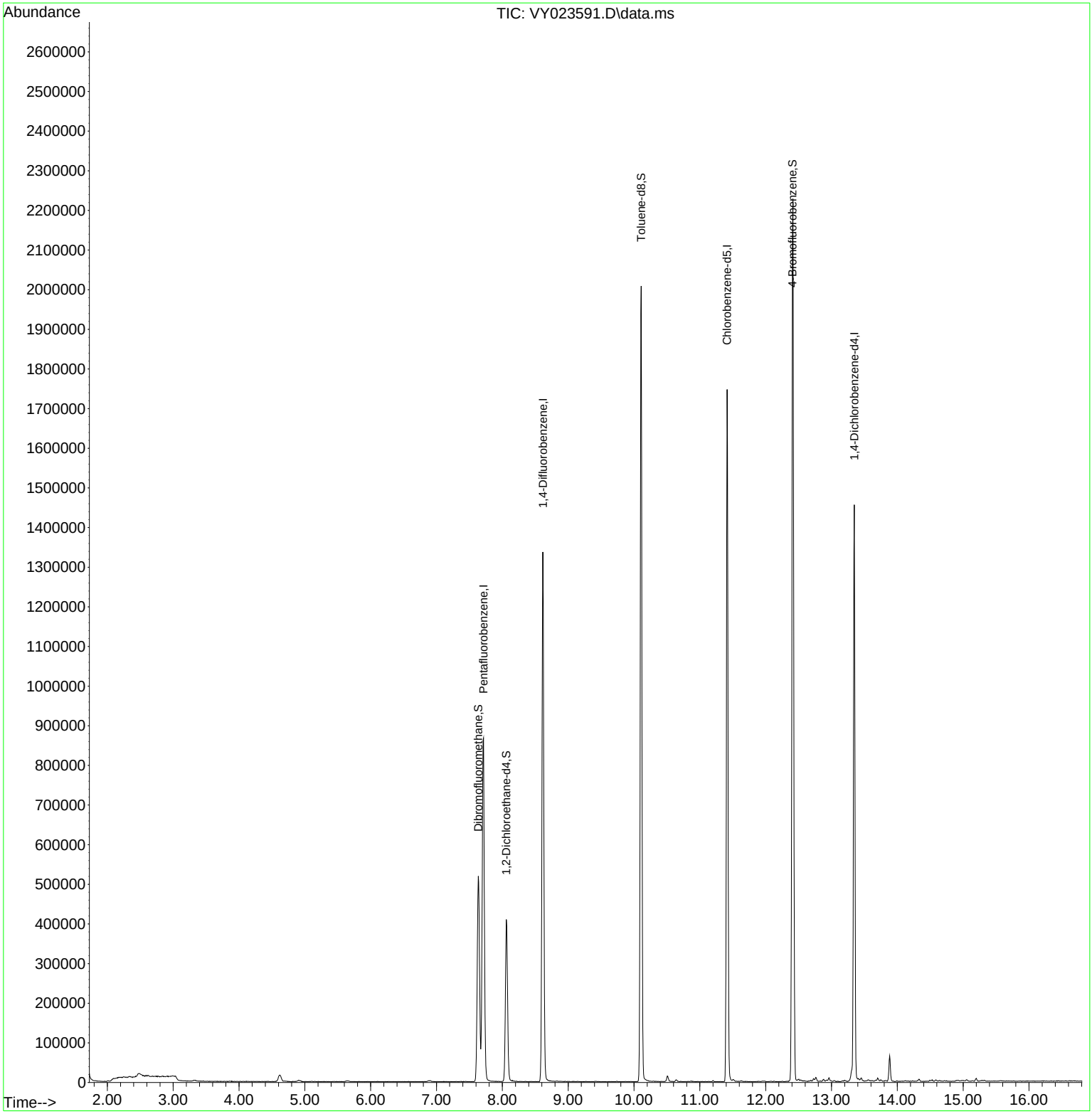
Target Compounds Qvalue

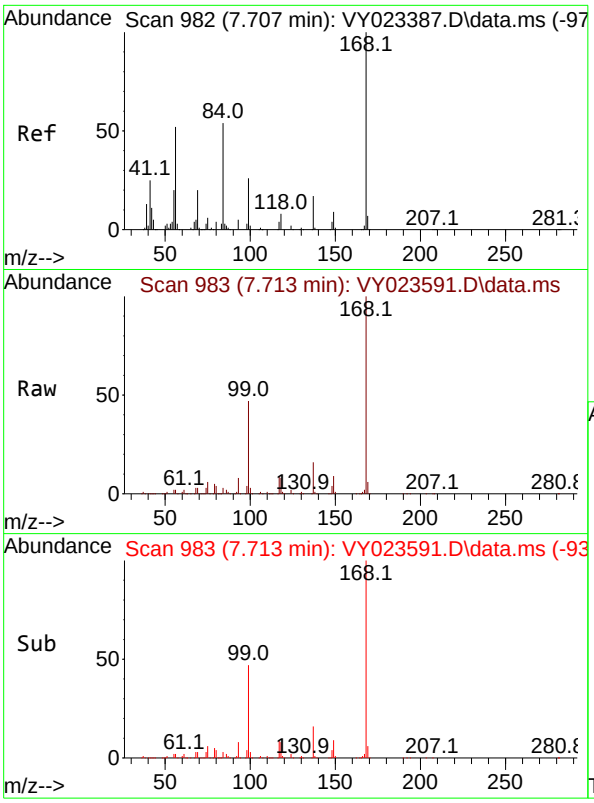
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Quant Time: Oct 28 04:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



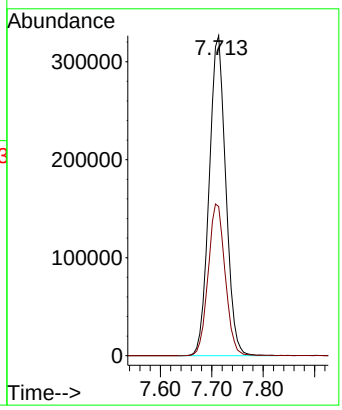


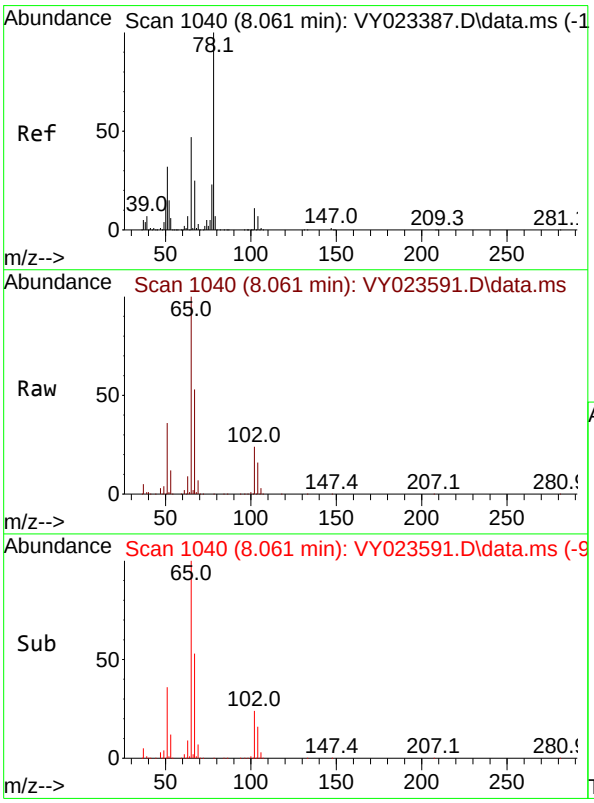
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Tgt Ion:168 Resp: 731403

Ion	Ratio	Lower	Upper
168	100		
99	46.6	39.7	59.5

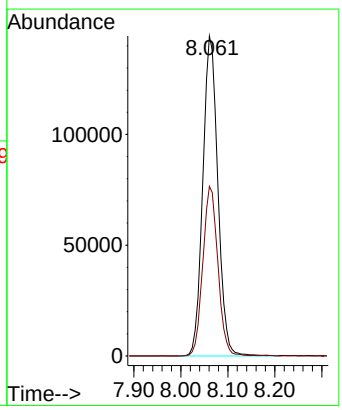


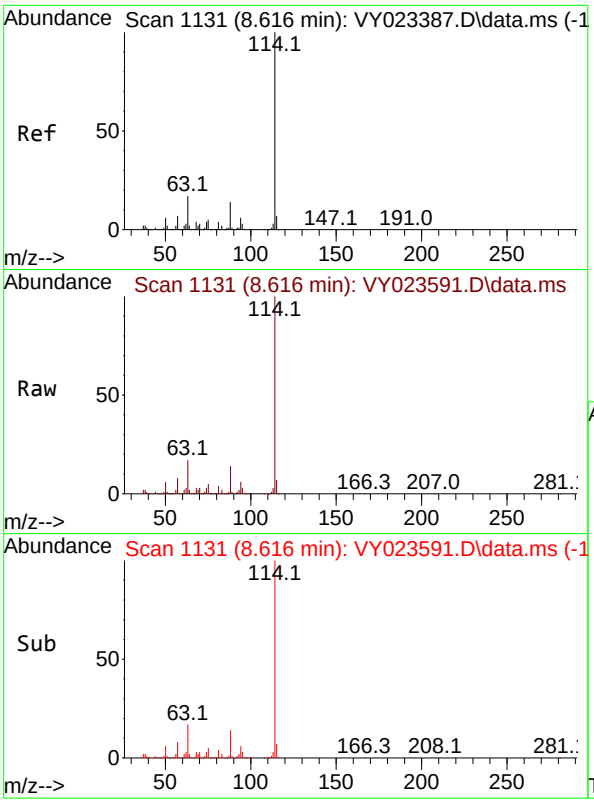


#33
1,2-Dichloroethane-d4
Concen: 52.480 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion: 65 Resp: 320975

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.8



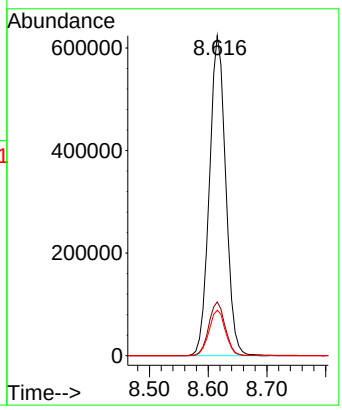


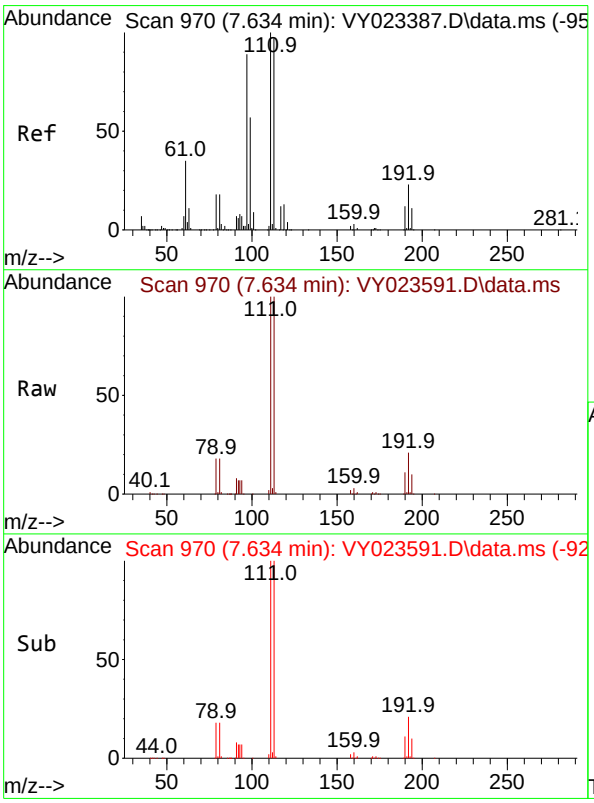
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Tgt Ion:114 Resp: 1204392

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	34.2
88	14.2	0.0	28.4

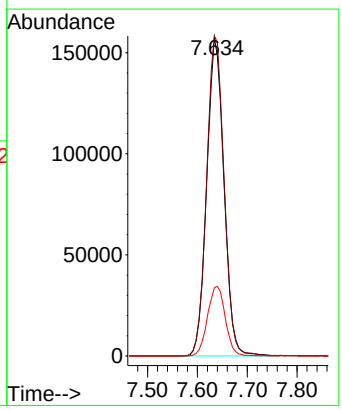


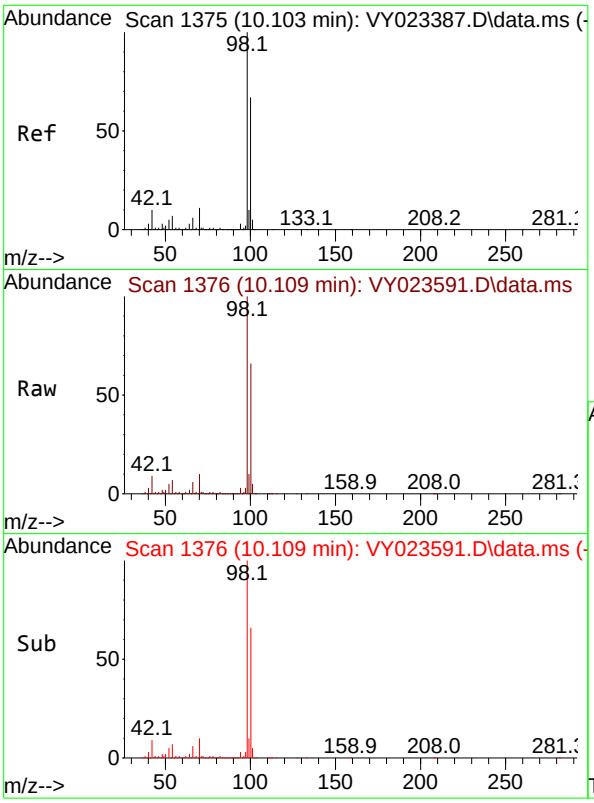


#35
Dibromofluoromethane
Concen: 50.904 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion:113 Resp: 376712

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.7	18.0	27.0



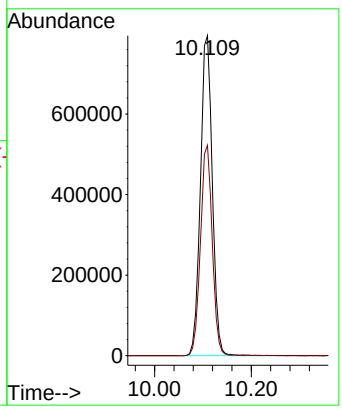


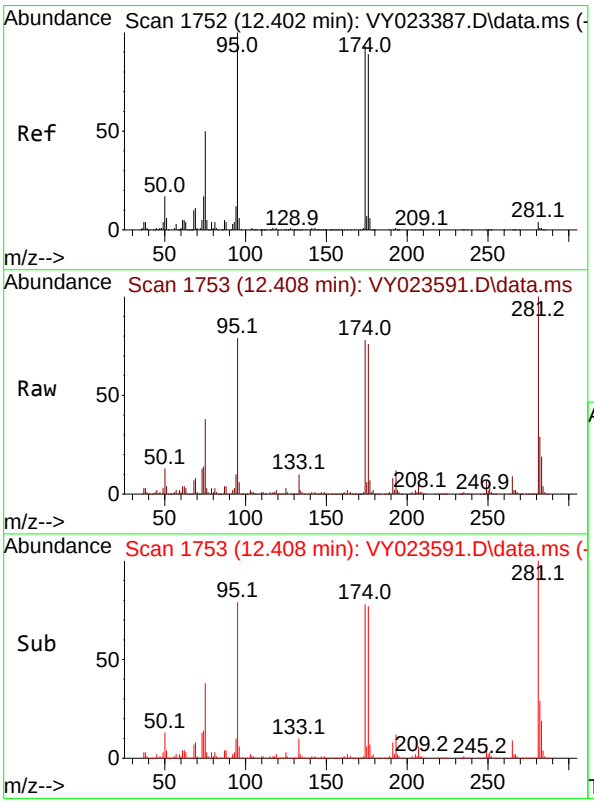
#50
Toluene-d8
Concen: 49.108 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Tgt Ion: 98 Resp: 1353397

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.4

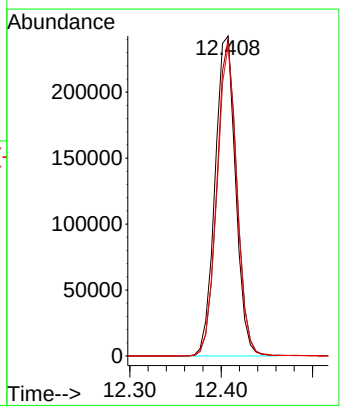


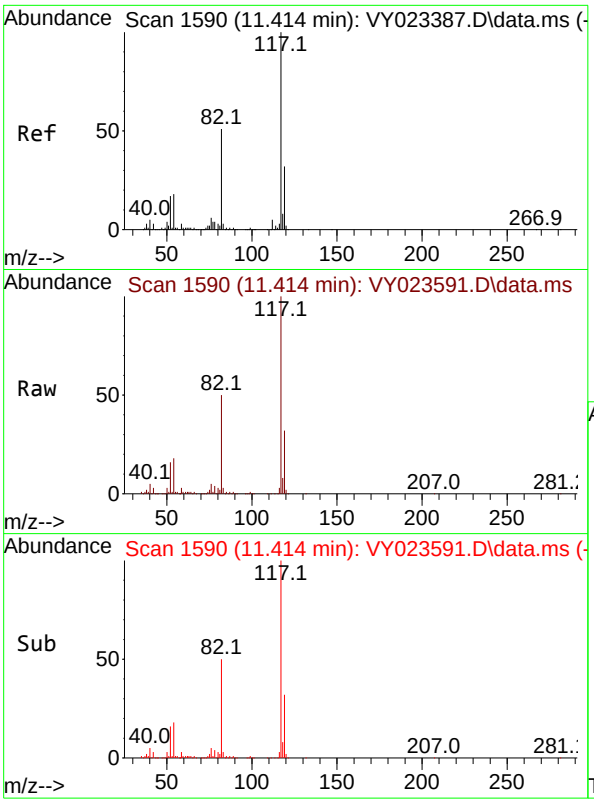


#62
4-Bromofluorobenzene
Concen: 41.713 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion: 95 Resp: 379541

Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	192.8
176	94.5	0.0	187.6



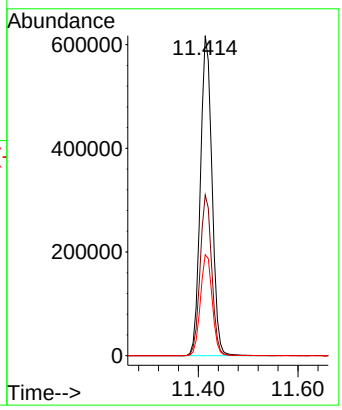


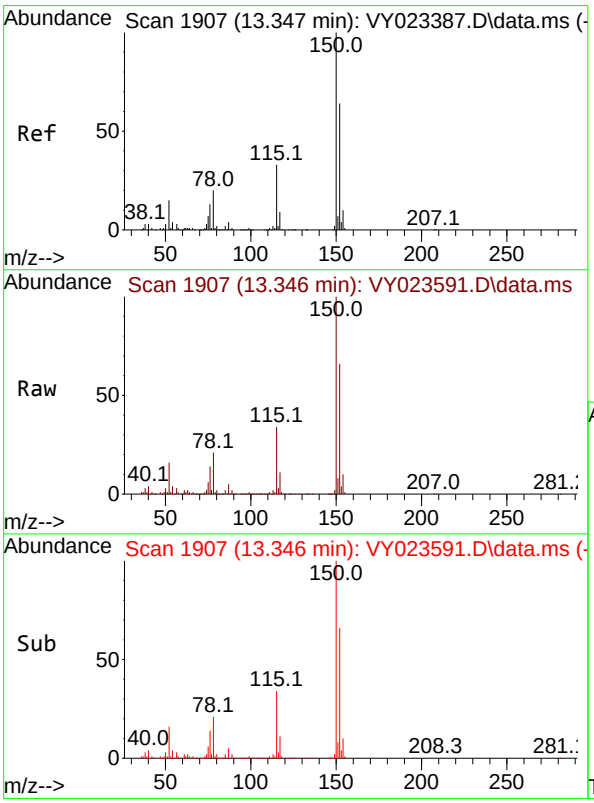
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Tgt Ion:117 Resp: 997355

Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.4
119	31.6	25.6	38.4

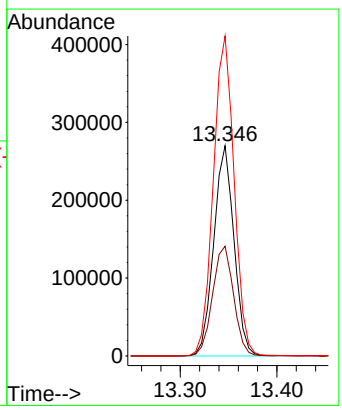




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion:152 Resp: 392869

Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.1	81.2
150	156.2	0.0	347.4



Sample Results: **VY023591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023591.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.616	466	475	485	rBV3	16154	50581	1.20%	0.257%
2	7.634	958	970	976	rBV	518389	1253343	29.84%	6.379%
3	7.713	976	983	995	rVB	864392	1980151	47.14%	10.078%
4	8.061	1029	1040	1054	rBV	408593	918137	21.86%	4.673%
5	8.616	1122	1131	1144	rBV	1336385	2596981	61.83%	13.217%
6	10.109	1367	1376	1392	rBV	2007200	3444461	82.00%	17.530%
7	11.414	1583	1590	1602	rBV	1745625	2833593	67.46%	14.421%
8	12.414	1743	1754	1765	rBV2	2226748	4200421	100.00%	21.377%
9	13.346	1891	1907	1916	rBV	1454640	2268717	54.01%	11.546%
10	13.883	1989	1995	2002	rBV2	63816	102468	2.44%	0.521%

Sum of corrected areas: 19648853

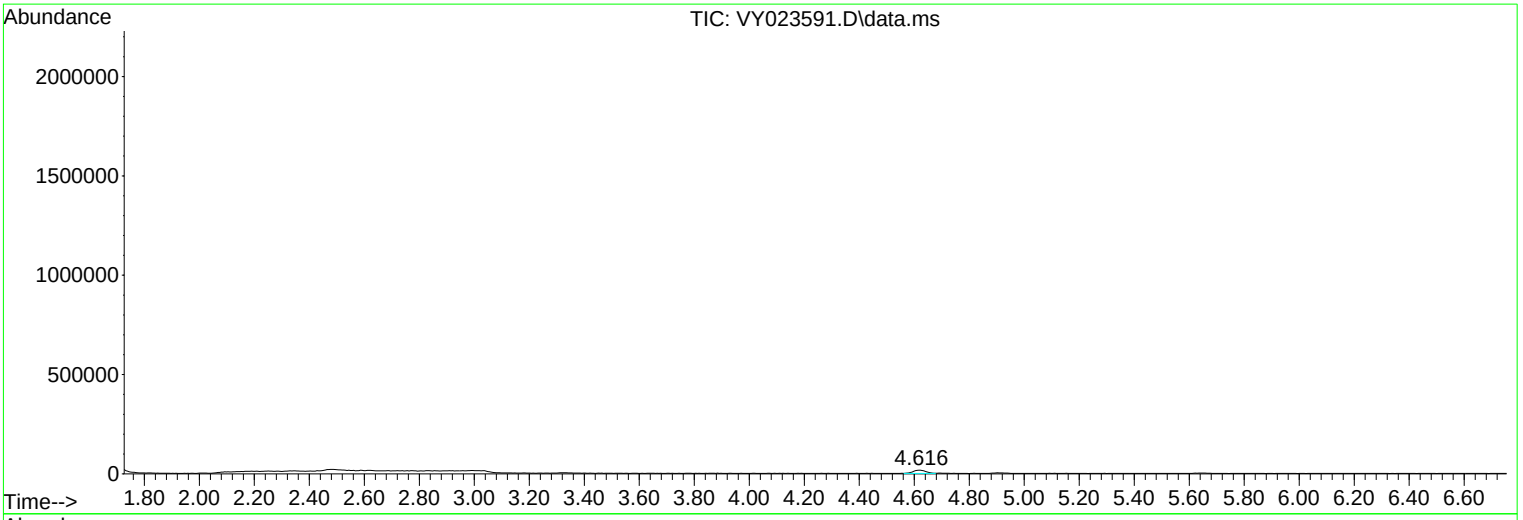
Sample Results: **VY023591.D**

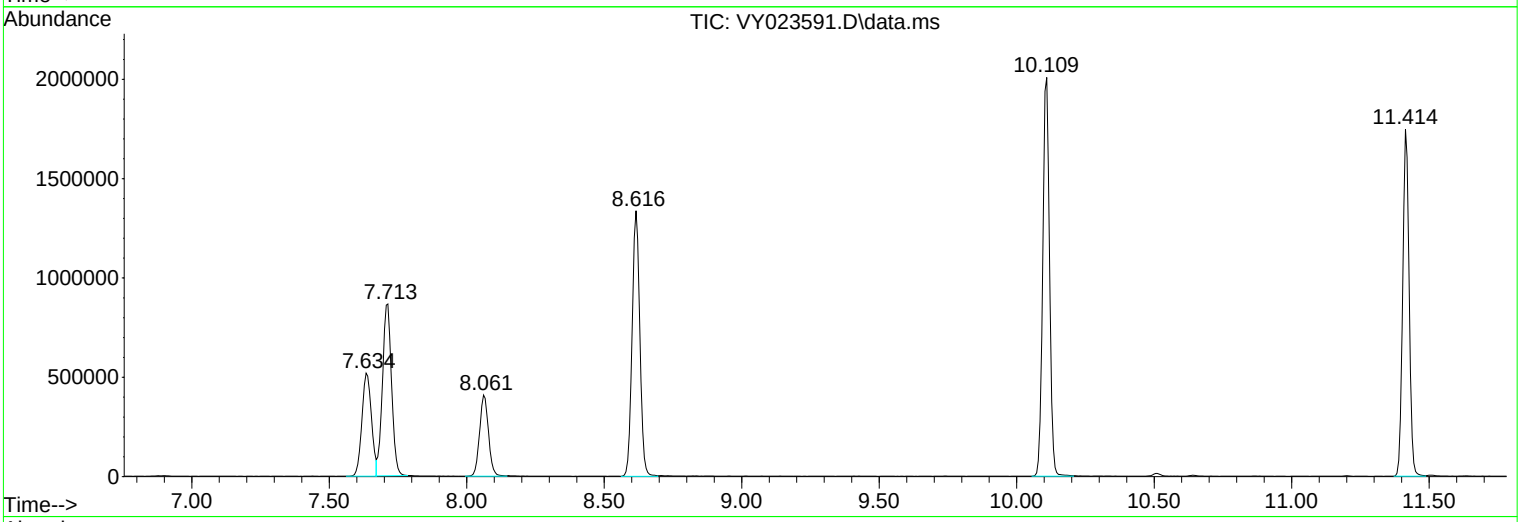
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

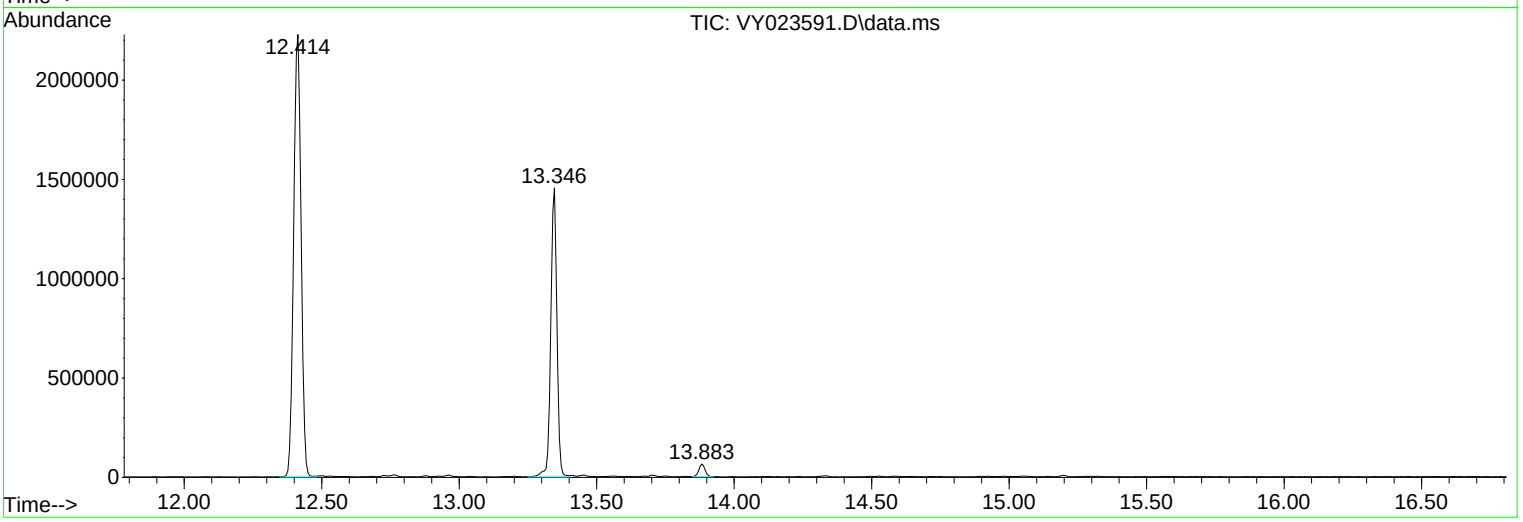
Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY023591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.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: **VY023592.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.5-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-04	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 83.6
Sample Wt/Vol:	4.79 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.40	U	1	1.40	6.20	ug/Kg	10/27/25 12:30	VY102725
74-87-3	Chloromethane	1.40	U	1	1.40	6.20	ug/Kg	10/27/25 12:30	VY102725
75-01-4	Vinyl Chloride	0.99	U	1	0.99	6.20	ug/Kg	10/27/25 12:30	VY102725
74-83-9	Bromomethane	1.30	U	1	1.30	6.20	ug/Kg	10/27/25 12:30	VY102725
75-00-3	Chloroethane	1.60	U	1	1.60	6.20	ug/Kg	10/27/25 12:30	VY102725
75-69-4	Trichlorofluoromethane	1.50	U	1	1.50	6.20	ug/Kg	10/27/25 12:30	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1	1.30	6.20	ug/Kg	10/27/25 12:30	VY102725
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	6.20	ug/Kg	10/27/25 12:30	VY102725
67-64-1	Acetone	5.90	U	1	5.90	31.2	ug/Kg	10/27/25 12:30	VY102725
75-15-0	Carbon Disulfide	1.30	U	1	1.30	6.20	ug/Kg	10/27/25 12:30	VY102725
1634-04-4	Methyl tert-butyl Ether	0.91	U	1	0.91	6.20	ug/Kg	10/27/25 12:30	VY102725
79-20-9	Methyl Acetate	1.90	U	1	1.90	6.20	ug/Kg	10/27/25 12:30	VY102725
75-09-2	Methylene Chloride	4.40	U	1	4.40	12.5	ug/Kg	10/27/25 12:30	VY102725
156-60-5	trans-1,2-Dichloroethene	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
75-34-3	1,1-Dichloroethane	1.00	U	1	1.00	6.20	ug/Kg	10/27/25 12:30	VY102725
110-82-7	Cyclohexane	0.99	U	1	0.99	6.20	ug/Kg	10/27/25 12:30	VY102725
78-93-3	2-Butanone	8.20	U	1	8.20	31.2	ug/Kg	10/27/25 12:30	VY102725
56-23-5	Carbon Tetrachloride	1.20	U	1	1.20	6.20	ug/Kg	10/27/25 12:30	VY102725
156-59-2	cis-1,2-Dichloroethene	0.94	U	1	0.94	6.20	ug/Kg	10/27/25 12:30	VY102725
74-97-5	Bromochloromethane	1.40	U	1	1.40	6.20	ug/Kg	10/27/25 12:30	VY102725
67-66-3	Chloroform	1.00	U	1	1.00	6.20	ug/Kg	10/27/25 12:30	VY102725
71-55-6	1,1,1-Trichloroethane	1.20	U	1	1.20	6.20	ug/Kg	10/27/25 12:30	VY102725
108-87-2	Methylcyclohexane	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
71-43-2	Benzene	0.99	U	1	0.99	6.20	ug/Kg	10/27/25 12:30	VY102725
107-06-2	1,2-Dichloroethane	0.99	U	1	0.99	6.20	ug/Kg	10/27/25 12:30	VY102725
79-01-6	Trichloroethene	1.00	U	1	1.00	6.20	ug/Kg	10/27/25 12:30	VY102725
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
75-27-4	Bromodichloromethane	0.97	U	1	0.97	6.20	ug/Kg	10/27/25 12:30	VY102725
108-10-1	4-Methyl-2-Pentanone	4.50	U	1	4.50	31.2	ug/Kg	10/27/25 12:30	VY102725
108-88-3	Toluene	0.97	U	1	0.97	6.20	ug/Kg	10/27/25 12:30	VY102725
10061-02-6	t-1,3-Dichloropropene	0.81	U	1	0.81	6.20	ug/Kg	10/27/25 12:30	VY102725
10061-01-5	cis-1,3-Dichloropropene	0.77	U	1	0.77	6.20	ug/Kg	10/27/25 12:30	VY102725
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
591-78-6	2-Hexanone	4.60	U	1	4.60	31.2	ug/Kg	10/27/25 12:30	VY102725
124-48-1	Dibromochloromethane	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
106-93-4	1,2-Dibromoethane	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
127-18-4	Tetrachloroethene	1.30	U	1	1.30	6.20	ug/Kg	10/27/25 12:30	VY102725
108-90-7	Chlorobenzene	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
100-41-4	Ethyl Benzene	0.84	U	1	0.84	6.20	ug/Kg	10/27/25 12:30	VY102725
179601-23-1	m/p-Xylenes	1.50	U	1	1.50	12.5	ug/Kg	10/27/25 12:30	VY102725
95-47-6	o-Xylene	1.00	U	1	1.00	6.20	ug/Kg	10/27/25 12:30	VY102725
100-42-5	Styrene	0.89	U	1	0.89	6.20	ug/Kg	10/27/25 12:30	VY102725
75-25-2	Bromoform	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725

Raw Data: **VY023592.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.5-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-04	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	83.6
Sample Wt/Vol:	4.79 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.97	U	1	0.97	6.20	ug/Kg	10/27/25 12:30	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1	1.50	6.20	ug/Kg	10/27/25 12:30	VY102725
541-73-1	1,3-Dichlorobenzene	2.10	U	1	2.10	6.20	ug/Kg	10/27/25 12:30	VY102725
106-46-7	1,4-Dichlorobenzene	1.90	U	1	1.90	6.20	ug/Kg	10/27/25 12:30	VY102725
95-50-1	1,2-Dichlorobenzene	1.80	U	1	1.80	6.20	ug/Kg	10/27/25 12:30	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	1	2.30	6.20	ug/Kg	10/27/25 12:30	VY102725
120-82-1	1,2,4-Trichlorobenzene	3.70	U	1	3.70	6.20	ug/Kg	10/27/25 12:30	VY102725
87-61-6	1,2,3-Trichlorobenzene	4.00	U	1	4.00	6.20	ug/Kg	10/27/25 12:30	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.5			70 (63) - 130 (155)	101%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.3			70 (70) - 130 (134)	101%	SPK: 50		
2037-26-5	Toluene-d8	48.4			70 (74) - 130 (123)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	38.6			70 (17) - 130 (146)	77%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	745000							
540-36-3	1,4-Difluorobenzene	1230000							
3114-55-4	Chlorobenzene-d5	980000							
3855-82-1	1,4-Dichlorobenzene-d4	362000							

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Quant Time: Oct 28 04:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

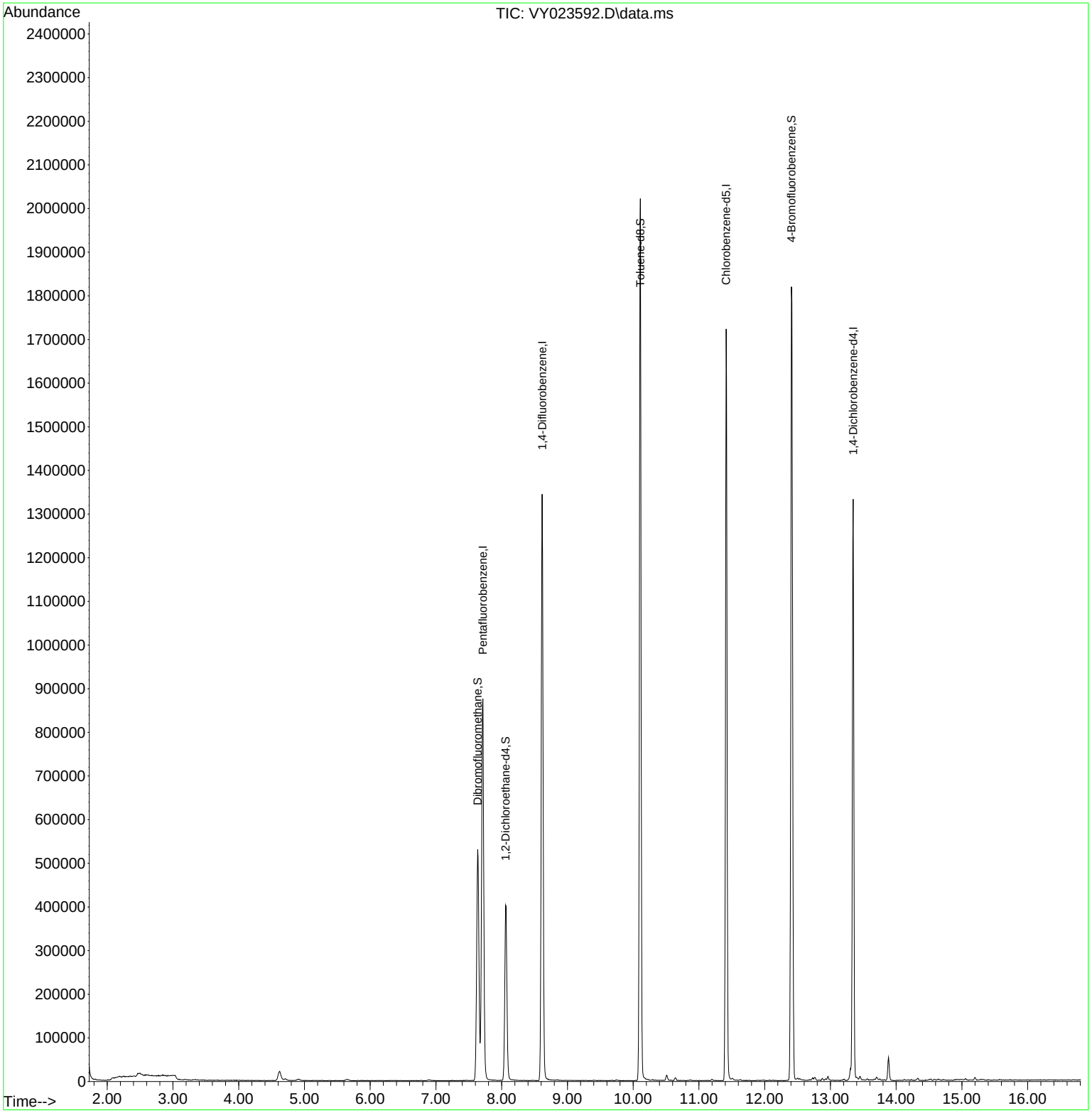
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	745194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1231218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	979970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	361763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	314555	50.479	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.960%			
35) Dibromofluoromethane	7.634	113	380851	50.342	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.680%			
50) Toluene-d8	10.109	98	1364092	48.417	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.840%			
62) 4-Bromofluorobenzene	12.408	95	359173	38.614	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.220%			
Target Compounds						Qvalue

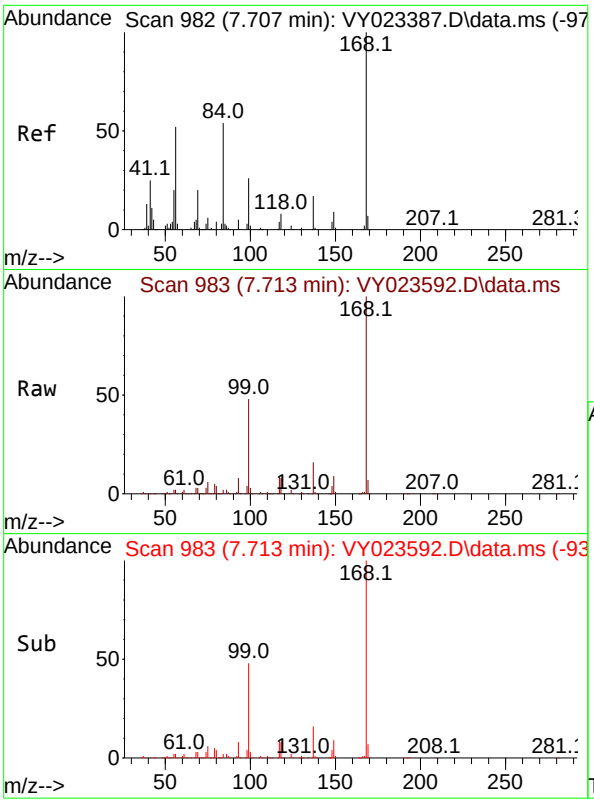
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Quant Time: Oct 28 04:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



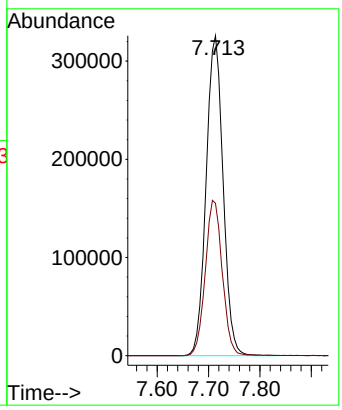


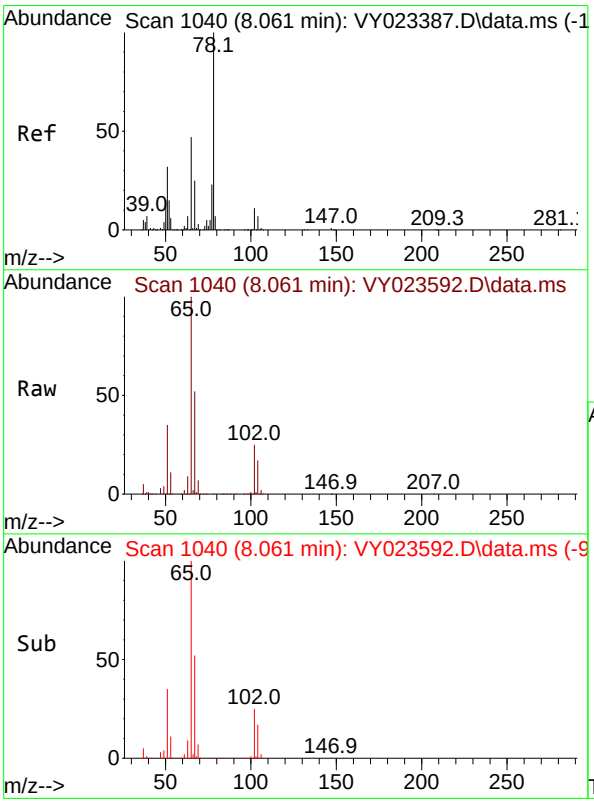
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Tgt Ion:168 Resp: 745194

Ion	Ratio	Lower	Upper
168	100		
99	47.6	39.7	59.5

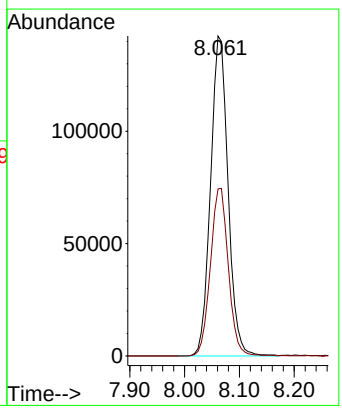


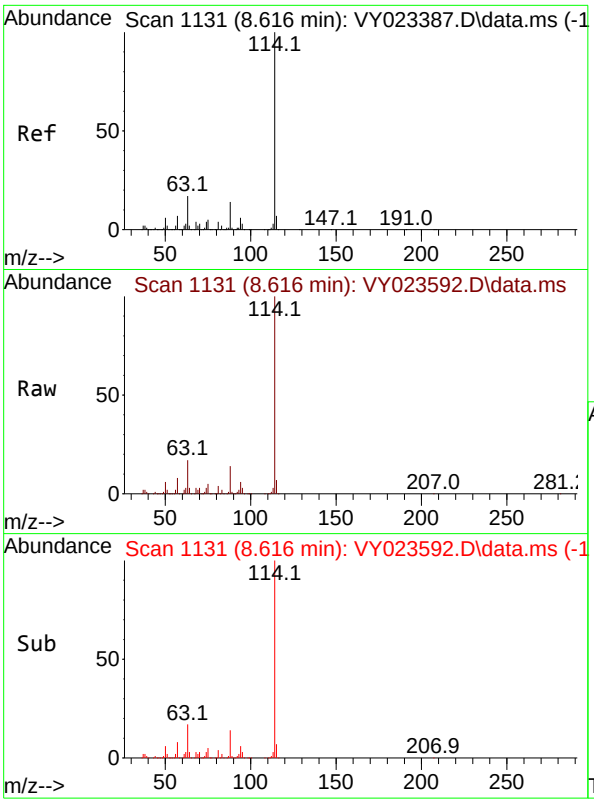


#33
1,2-Dichloroethane-d4
Concen: 50.479 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion: 65 Resp: 314555

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.8



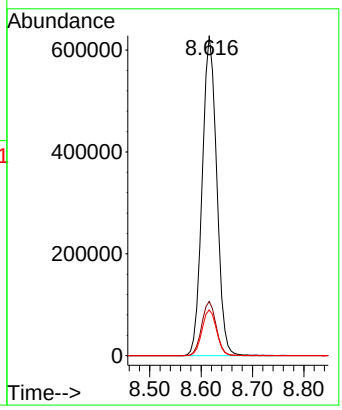


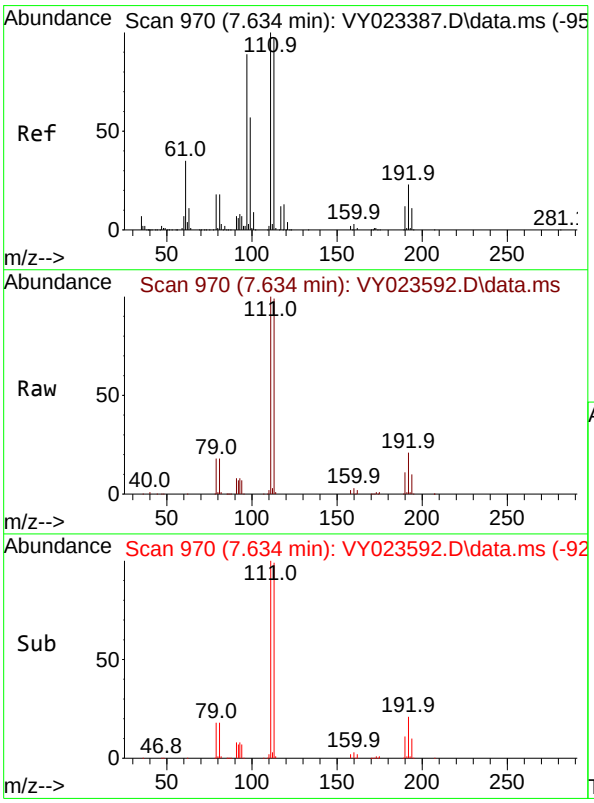
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Tgt Ion:114 Resp: 1231218

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	34.2
88	14.3	0.0	28.4

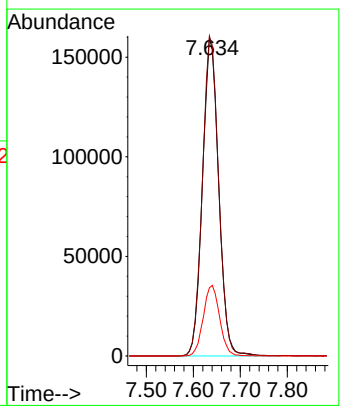


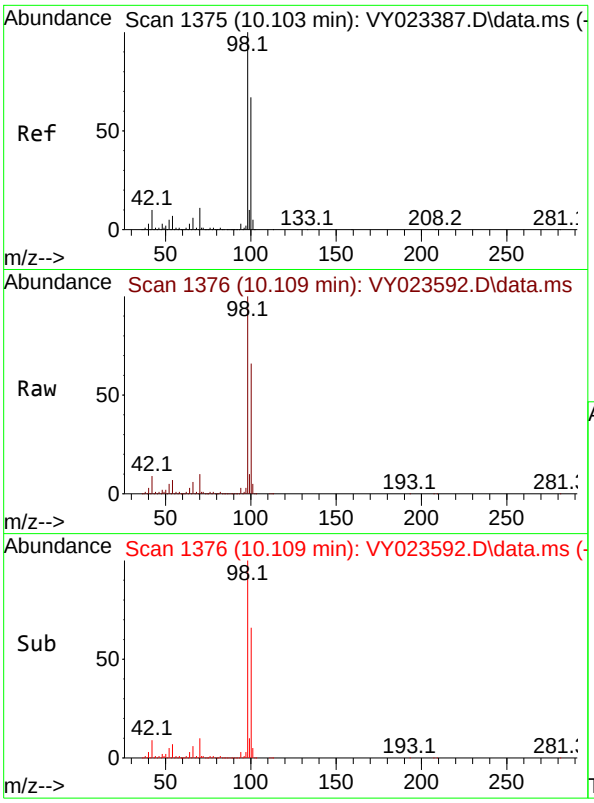


#35
Dibromofluoromethane
Concen: 50.342 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion:113 Resp: 380851

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	22.5	18.0	27.0



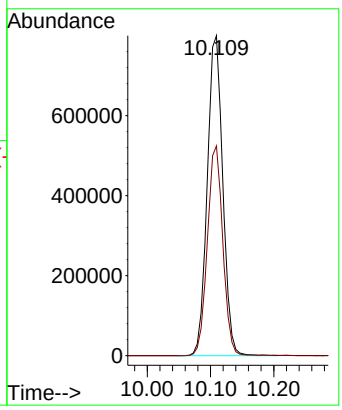


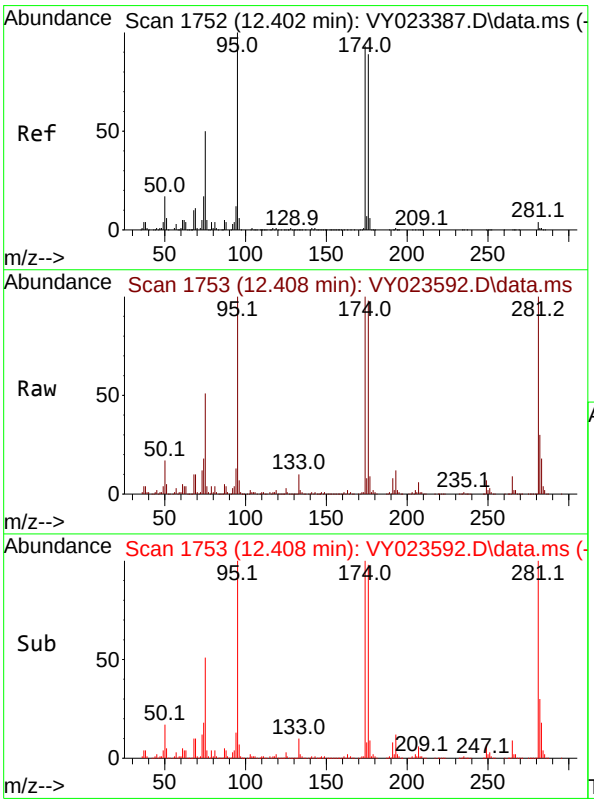
#50
Toluene-d8
Concen: 48.417 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Tgt Ion: 98 Resp: 1364092

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

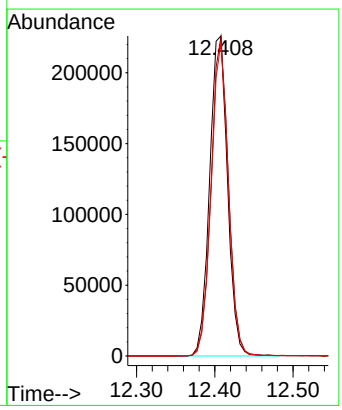


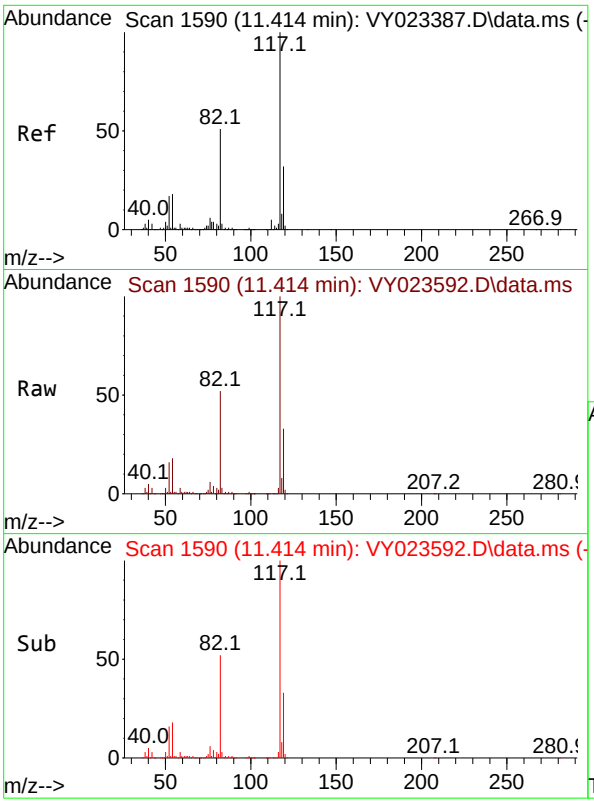


#62
4-Bromofluorobenzene
Concen: 38.614 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion: 95 Resp: 359173

Ion	Ratio	Lower	Upper
95	100		
174	96.5	0.0	192.8
176	94.2	0.0	187.6



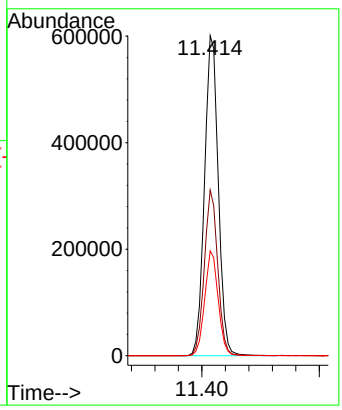


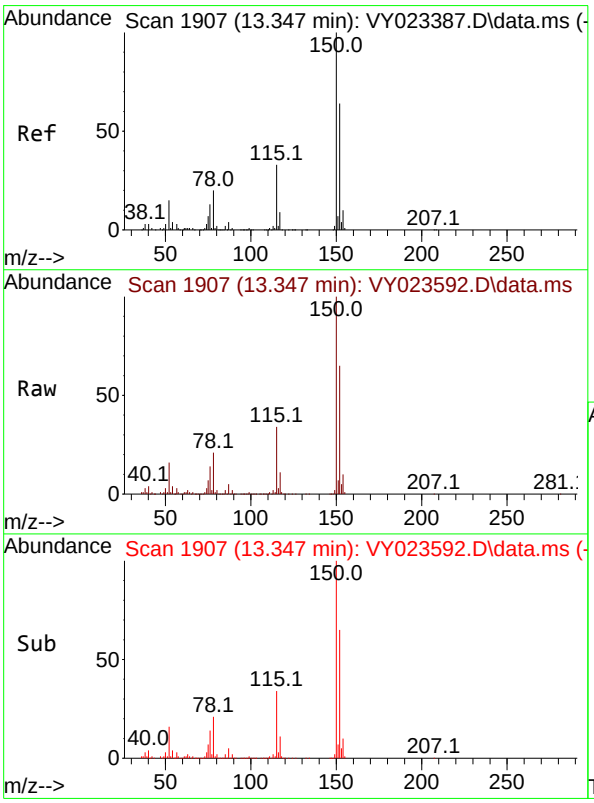
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Tgt Ion:117 Resp: 979970

Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.0	61.4
119	32.7	25.6	38.4

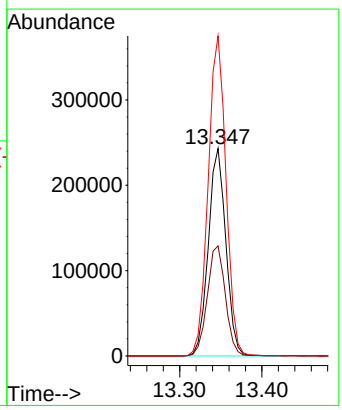




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion:152 Resp: 361763

Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.1	81.2
150	156.6	0.0	347.4



Sample Results: **VY023592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023592.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.623	465	476	486	rBV2	21206	69246	1.98%	0.368%
2	7.634	960	970	976	rBV	529717	1258826	35.91%	6.688%
3	7.713	976	983	1001	rVB	873899	2030660	57.92%	10.789%
4	8.061	1031	1040	1055	rBV	401038	899358	25.65%	4.778%
5	8.616	1122	1131	1144	rBV	1343243	2653234	75.68%	14.097%
6	10.109	1367	1376	1389	rBV	2020262	3474166	99.10%	18.459%
7	11.414	1581	1590	1601	rBV	1722005	2785886	79.46%	14.802%
8	12.408	1745	1753	1764	rBV2	1817312	3505833	100.00%	18.627%
9	13.304	1891	1900	1901	rBV	27281	37474	1.07%	0.199%
10	13.347	1901	1907	1914	rVB	1325797	2021193	57.65%	10.739%
11	13.883	1988	1995	2002	rBV	52595	85523	2.44%	0.454%

Sum of corrected areas: 18821399

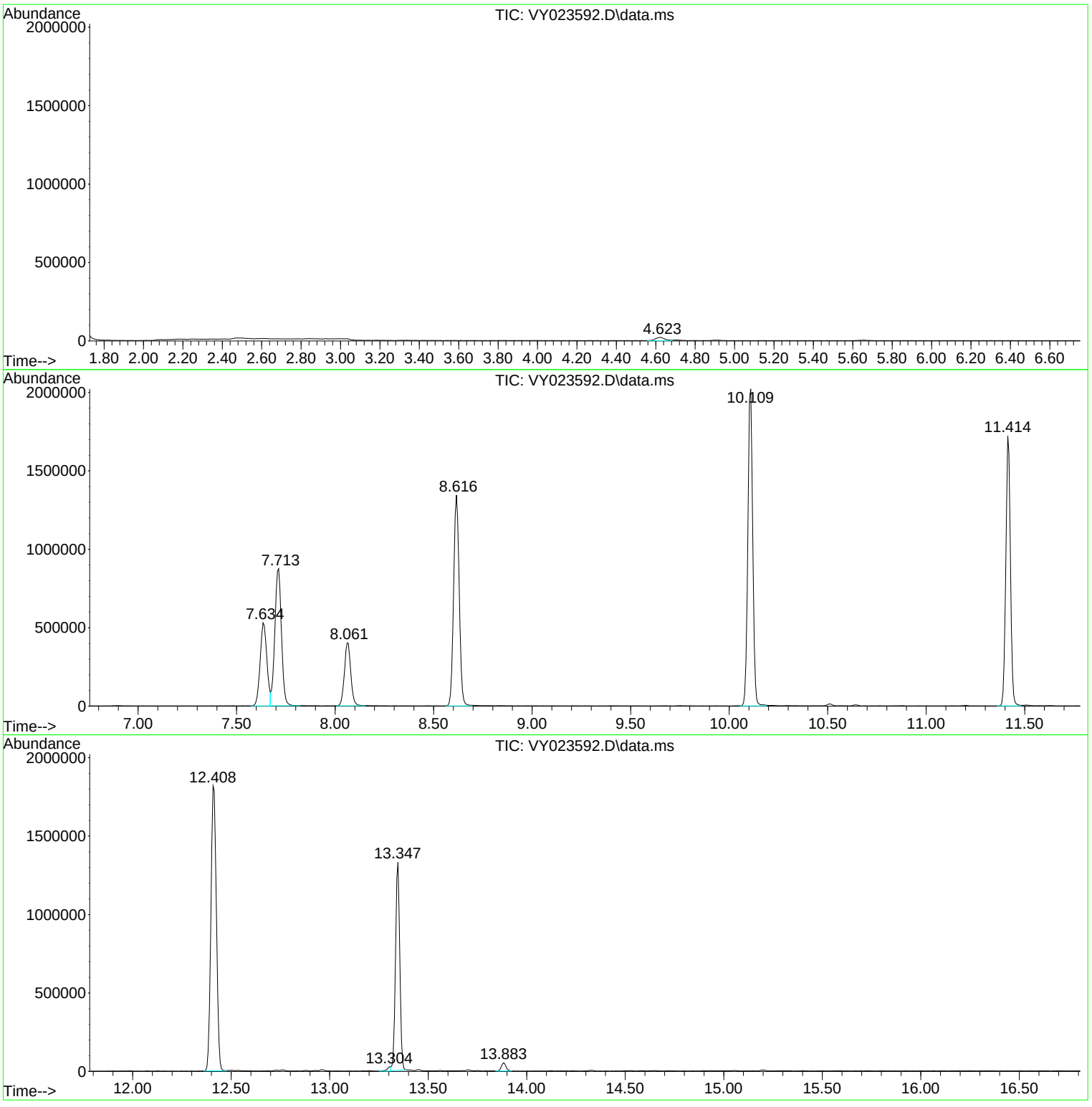
Sample Results: **VY023592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.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: **VY023593.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.5-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-06	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 91.1
Sample Wt/Vol:	4.55 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.40	U	1	1.40	6.00	ug/Kg	10/27/25 12:54	VY102725
74-87-3	Chloromethane	1.40	U	1	1.40	6.00	ug/Kg	10/27/25 12:54	VY102725
75-01-4	Vinyl Chloride	0.95	U	1	0.95	6.00	ug/Kg	10/27/25 12:54	VY102725
74-83-9	Bromomethane	1.30	U	1	1.30	6.00	ug/Kg	10/27/25 12:54	VY102725
75-00-3	Chloroethane	1.50	U	1	1.50	6.00	ug/Kg	10/27/25 12:54	VY102725
75-69-4	Trichlorofluoromethane	1.50	U	1	1.50	6.00	ug/Kg	10/27/25 12:54	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1	1.30	6.00	ug/Kg	10/27/25 12:54	VY102725
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	6.00	ug/Kg	10/27/25 12:54	VY102725
67-64-1	Acetone	5.70	U	1	5.70	30.2	ug/Kg	10/27/25 12:54	VY102725
75-15-0	Carbon Disulfide	1.30	U	1	1.30	6.00	ug/Kg	10/27/25 12:54	VY102725
1634-04-4	Methyl tert-butyl Ether	0.88	U	1	0.88	6.00	ug/Kg	10/27/25 12:54	VY102725
79-20-9	Methyl Acetate	1.90	U	1	1.90	6.00	ug/Kg	10/27/25 12:54	VY102725
75-09-2	Methylene Chloride	4.30	U	1	4.30	12.1	ug/Kg	10/27/25 12:54	VY102725
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	1.00	6.00	ug/Kg	10/27/25 12:54	VY102725
75-34-3	1,1-Dichloroethane	0.97	U	1	0.97	6.00	ug/Kg	10/27/25 12:54	VY102725
110-82-7	Cyclohexane	0.95	U	1	0.95	6.00	ug/Kg	10/27/25 12:54	VY102725
78-93-3	2-Butanone	7.90	U	1	7.90	30.2	ug/Kg	10/27/25 12:54	VY102725
56-23-5	Carbon Tetrachloride	1.20	U	1	1.20	6.00	ug/Kg	10/27/25 12:54	VY102725
156-59-2	cis-1,2-Dichloroethene	0.90	U	1	0.90	6.00	ug/Kg	10/27/25 12:54	VY102725
74-97-5	Bromochloromethane	1.40	U	1	1.40	6.00	ug/Kg	10/27/25 12:54	VY102725
67-66-3	Chloroform	1.00	U	1	1.00	6.00	ug/Kg	10/27/25 12:54	VY102725
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
108-87-2	Methylcyclohexane	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
71-43-2	Benzene	0.95	U	1	0.95	6.00	ug/Kg	10/27/25 12:54	VY102725
107-06-2	1,2-Dichloroethane	0.95	U	1	0.95	6.00	ug/Kg	10/27/25 12:54	VY102725
79-01-6	Trichloroethene	0.98	U	1	0.98	6.00	ug/Kg	10/27/25 12:54	VY102725
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
75-27-4	Bromodichloromethane	0.94	U	1	0.94	6.00	ug/Kg	10/27/25 12:54	VY102725
108-10-1	4-Methyl-2-Pentanone	4.30	U	1	4.30	30.2	ug/Kg	10/27/25 12:54	VY102725
108-88-3	Toluene	0.94	U	1	0.94	6.00	ug/Kg	10/27/25 12:54	VY102725
10061-02-6	t-1,3-Dichloropropene	0.78	U	1	0.78	6.00	ug/Kg	10/27/25 12:54	VY102725
10061-01-5	cis-1,3-Dichloropropene	0.75	U	1	0.75	6.00	ug/Kg	10/27/25 12:54	VY102725
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
591-78-6	2-Hexanone	4.50	U	1	4.50	30.2	ug/Kg	10/27/25 12:54	VY102725
124-48-1	Dibromochloromethane	1.00	U	1	1.00	6.00	ug/Kg	10/27/25 12:54	VY102725
106-93-4	1,2-Dibromoethane	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
127-18-4	Tetrachloroethene	1.30	U	1	1.30	6.00	ug/Kg	10/27/25 12:54	VY102725
108-90-7	Chlorobenzene	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
100-41-4	Ethyl Benzene	0.81	U	1	0.81	6.00	ug/Kg	10/27/25 12:54	VY102725
179601-23-1	m/p-Xylenes	1.50	U	1	1.50	12.1	ug/Kg	10/27/25 12:54	VY102725
95-47-6	o-Xylene	0.99	U	1	0.99	6.00	ug/Kg	10/27/25 12:54	VY102725
100-42-5	Styrene	0.86	U	1	0.86	6.00	ug/Kg	10/27/25 12:54	VY102725
75-25-2	Bromoform	1.00	U	1	1.00	6.00	ug/Kg	10/27/25 12:54	VY102725

Raw Data: **VY023593.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.5-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-06	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	91.1
Sample Wt/Vol:	4.55 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.94	U	1	0.94	6.00	ug/Kg	10/27/25 12:54	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1	1.50	6.00	ug/Kg	10/27/25 12:54	VY102725
541-73-1	1,3-Dichlorobenzene	2.10	U	1	2.10	6.00	ug/Kg	10/27/25 12:54	VY102725
106-46-7	1,4-Dichlorobenzene	1.90	U	1	1.90	6.00	ug/Kg	10/27/25 12:54	VY102725
95-50-1	1,2-Dichlorobenzene	1.70	U	1	1.70	6.00	ug/Kg	10/27/25 12:54	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	1	2.20	6.00	ug/Kg	10/27/25 12:54	VY102725
120-82-1	1,2,4-Trichlorobenzene	3.60	U	1	3.60	6.00	ug/Kg	10/27/25 12:54	VY102725
87-61-6	1,2,3-Trichlorobenzene	3.80	U	1	3.80	6.00	ug/Kg	10/27/25 12:54	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.8			70 (63) - 130 (155)	102%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.6			70 (70) - 130 (134)	99%	SPK: 50		
2037-26-5	Toluene-d8	49.0			70 (74) - 130 (123)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.5			70 (17) - 130 (146)	83%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	731000							
540-36-3	1,4-Difluorobenzene	1220000							
3114-55-4	Chlorobenzene-d5	997000							
3855-82-1	1,4-Dichlorobenzene-d4	398000							

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Time: Oct 28 04:39:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

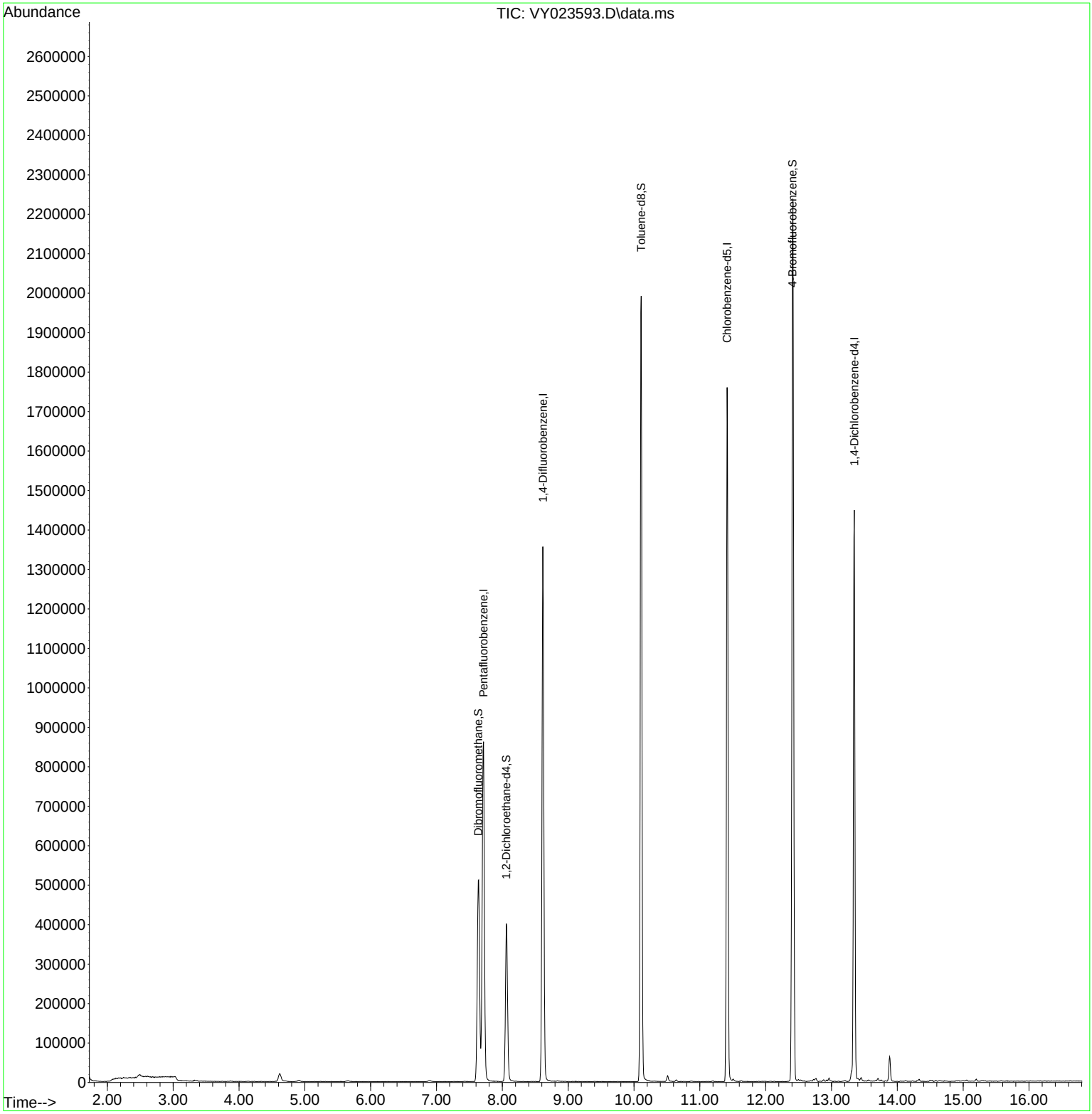
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	731194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1218761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	996988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	398135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310742	50.822	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.640%			
35) Dibromofluoromethane	7.634	113	371668	49.630	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.260%			
50) Toluene-d8	10.109	98	1366327	48.992	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.980%			
62) 4-Bromofluorobenzene	12.408	95	381673	41.453	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.900%			
Target Compounds						Qvalue

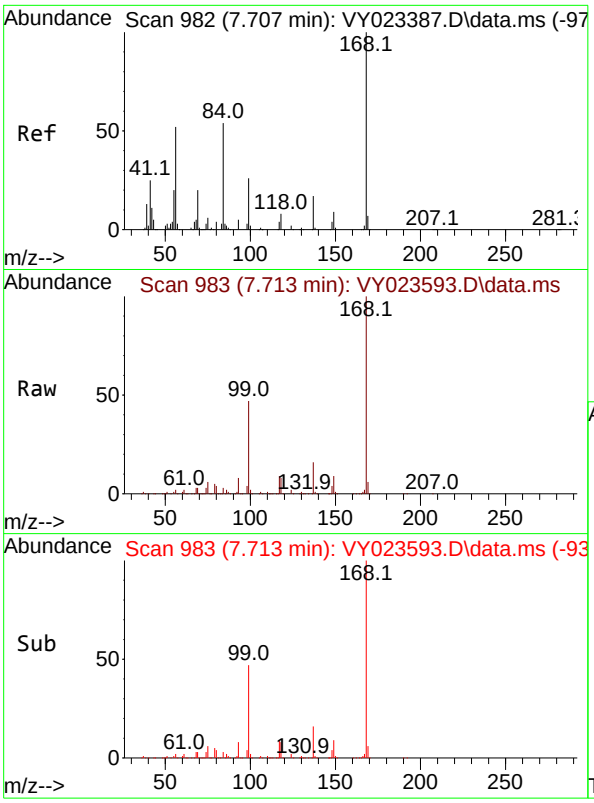
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Time: Oct 28 04:39:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



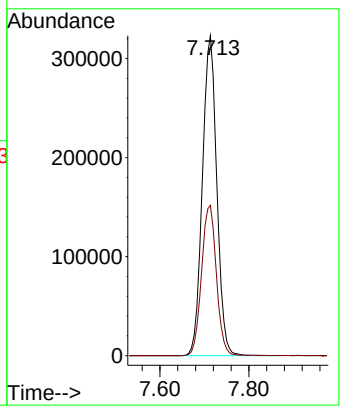


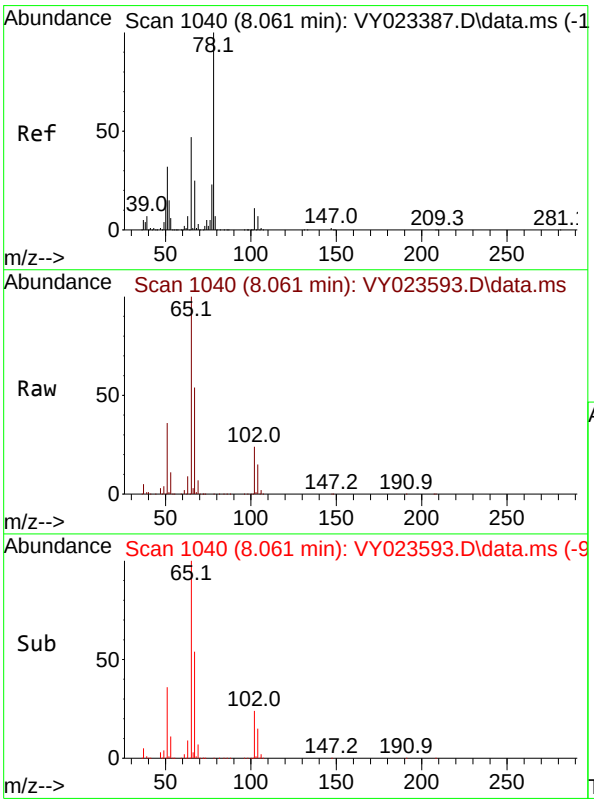
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Tgt Ion:168 Resp: 731194

Ion	Ratio	Lower	Upper
168	100		
99	47.0	39.7	59.5

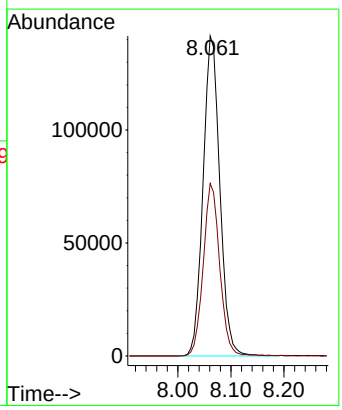


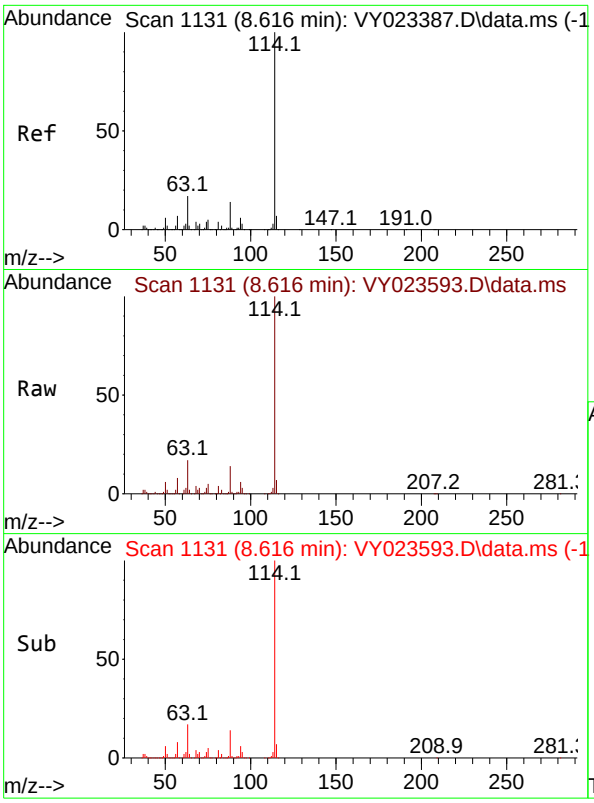


#33
1,2-Dichloroethane-d4
Concen: 50.822 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion: 65 Resp: 310742

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8



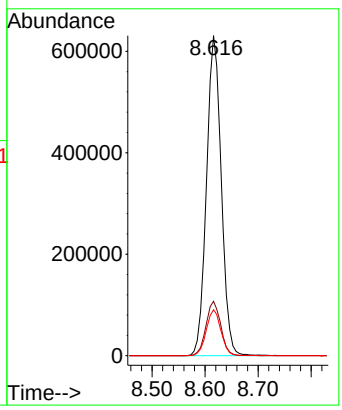


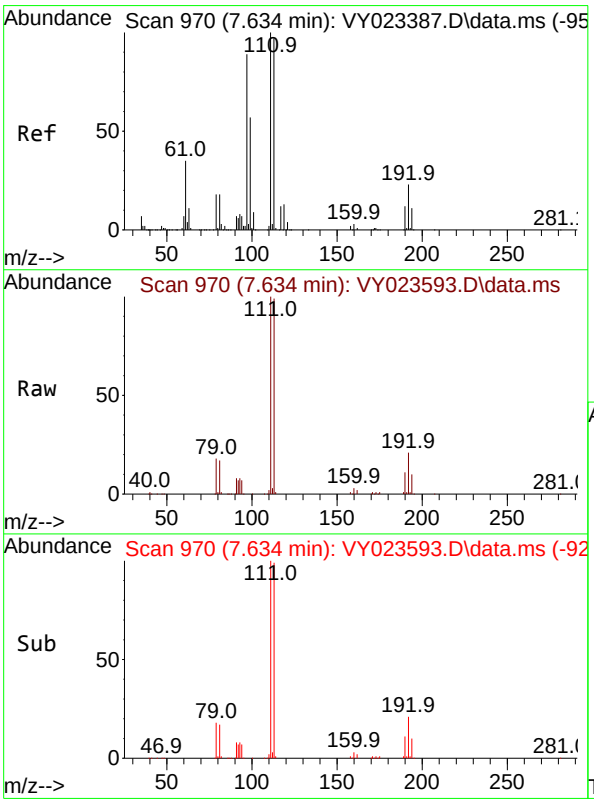
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Tgt Ion:114 Resp: 1218761

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	34.2
88	14.4	0.0	28.4

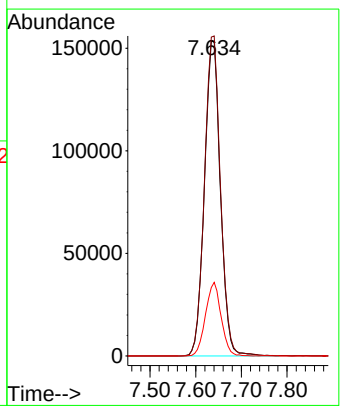


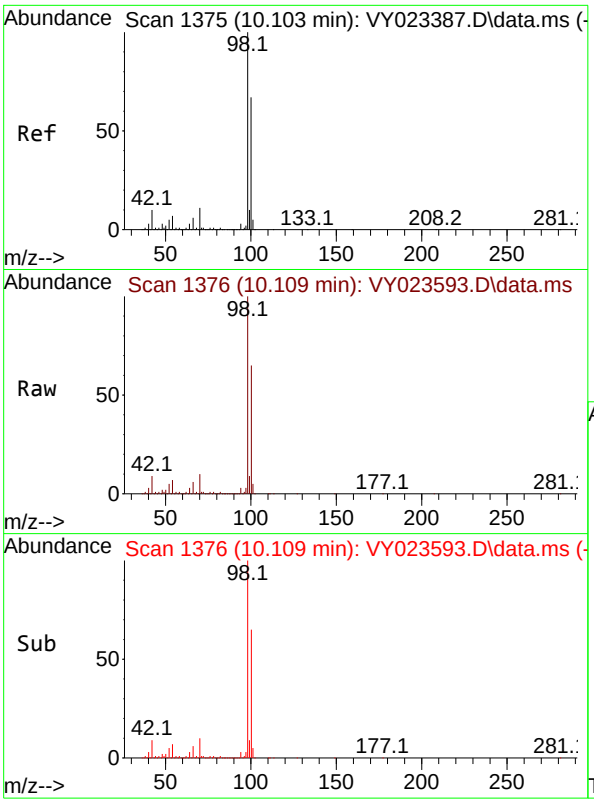


#35
Dibromofluoromethane
Concen: 49.630 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion:113 Resp: 371668

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.9	18.0	27.0



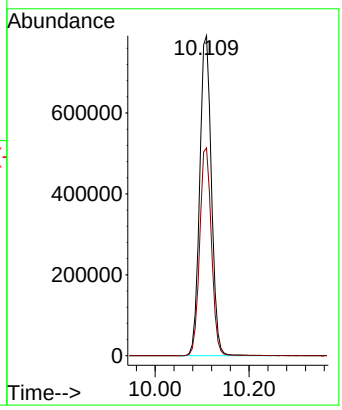


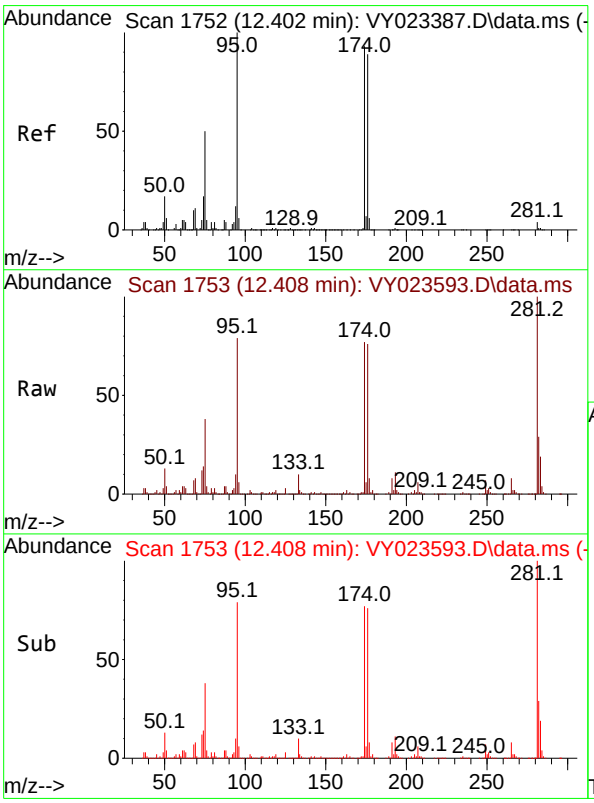
#50
Toluene-d8
Concen: 48.992 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Tgt Ion: 98 Resp: 1366327

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

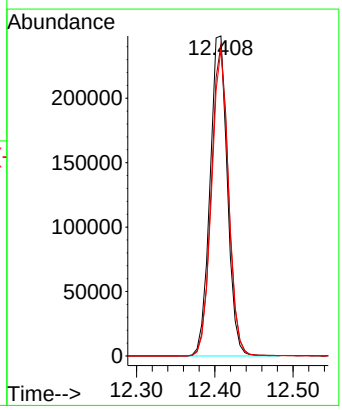


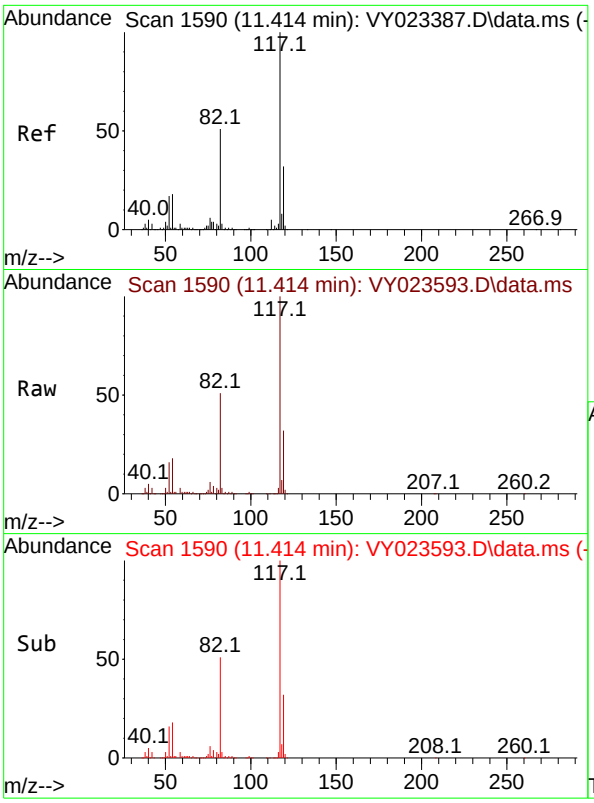


#62
4-Bromofluorobenzene
Concen: 41.453 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion: 95 Resp: 381673

Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	192.8
176	93.9	0.0	187.6



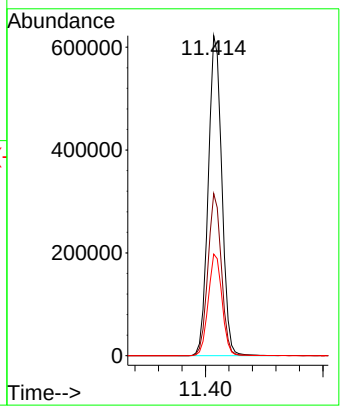


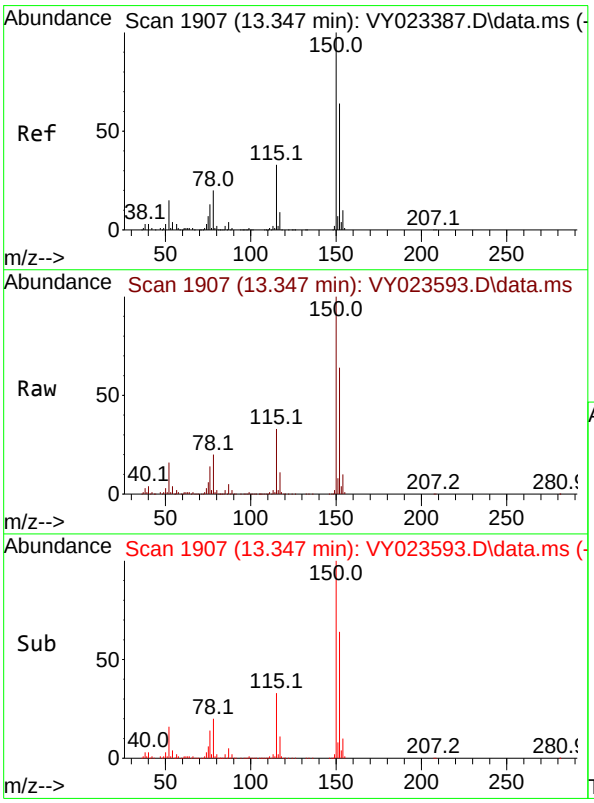
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Tgt Ion:117 Resp: 996988

Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.0	61.4
119	31.8	25.6	38.4

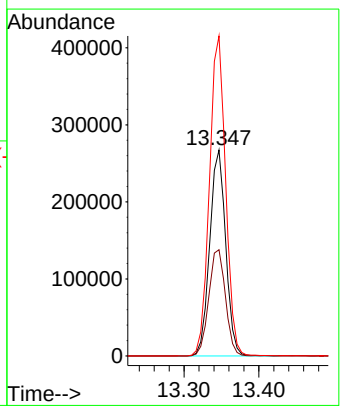




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion:152 Resp: 398135

Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.1	81.2
150	157.4	0.0	347.4



Sample Results: **VY023593.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023593.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.616	466	475	486	rBV3	19851	59664	1.42%	0.303%
2	7.640	959	971	976	rBV	511126	1236081	29.44%	6.273%
3	7.713	976	983	1000	rVB	860126	1993114	47.47%	10.115%
4	8.061	1027	1040	1061	rBV	399916	891933	21.24%	4.526%
5	8.616	1121	1131	1146	rBV	1355473	2623029	62.47%	13.311%
6	10.109	1366	1376	1393	rBV	1990724	3479962	82.88%	17.660%
7	11.414	1583	1590	1602	rBV	1758726	2835412	67.53%	14.389%
8	12.414	1742	1754	1764	rBV2	2236507	4198765	100.00%	21.308%
9	13.347	1893	1907	1914	rBV	1447792	2278221	54.26%	11.561%
10	13.883	1989	1995	2010	rVB2	62709	109171	2.60%	0.554%

Sum of corrected areas: 19705352

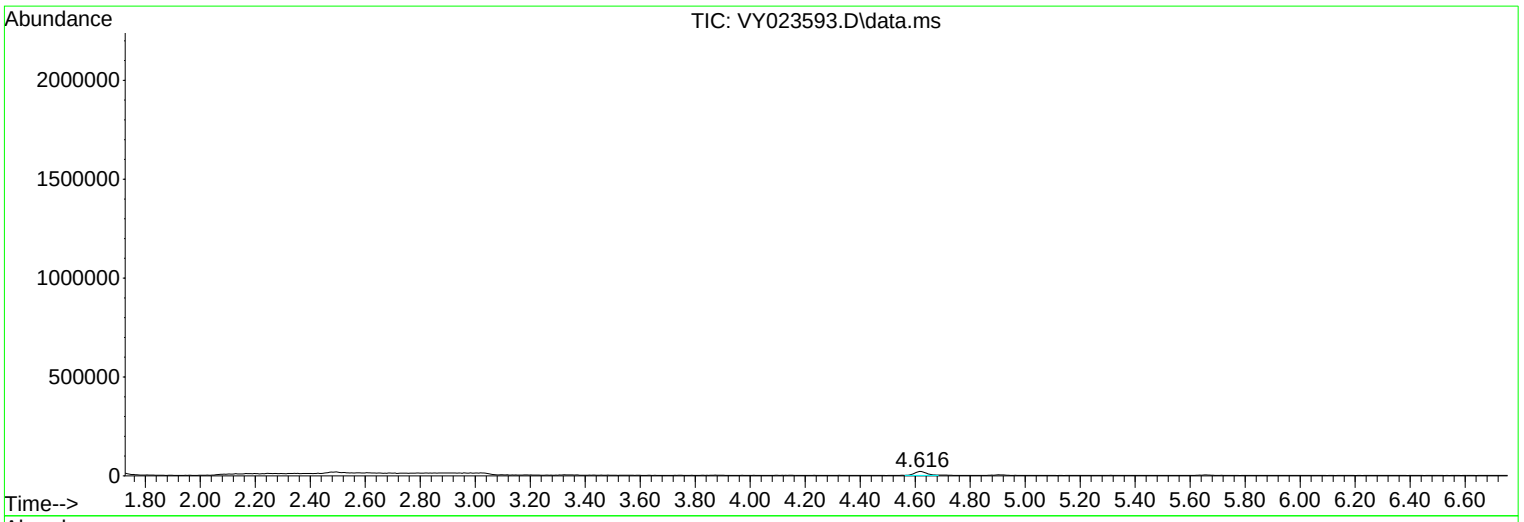
Sample Results: **VY023593.D**

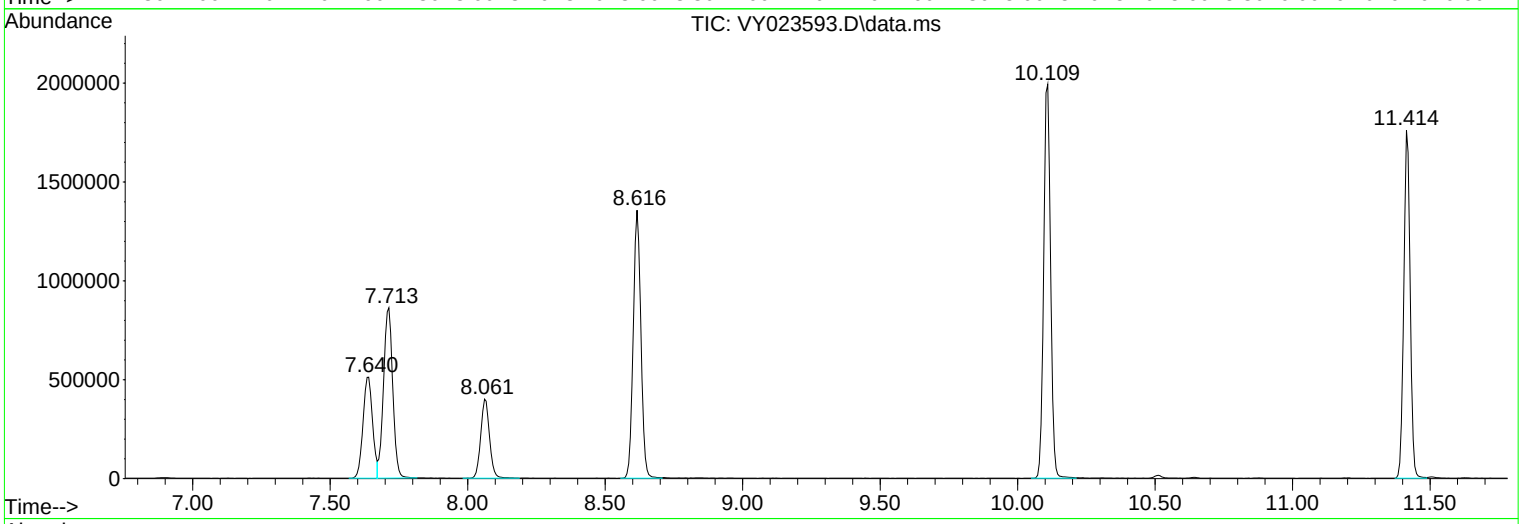
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

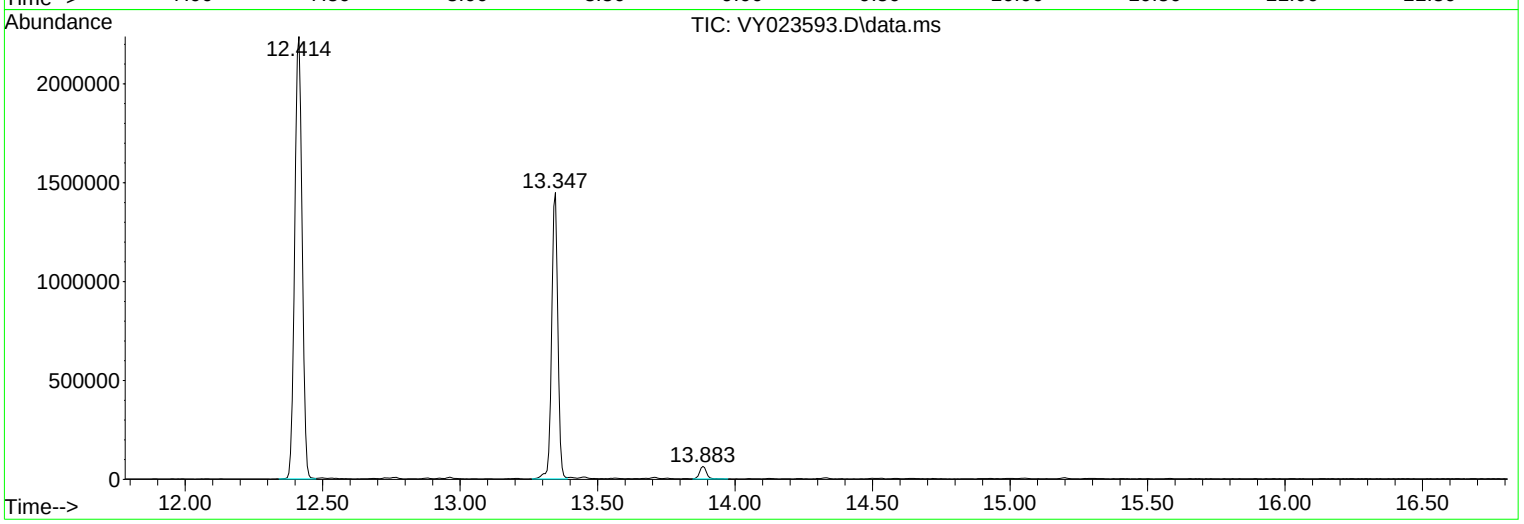
Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY023593.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3466

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

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

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5

* 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: HDRI08

Lab Code: ACE SDG No.: Q3466

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

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

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025
Response Via : Initial Calibration

Calibration Files
5 =VY023384.D 10 =VY023385.D 20 =VY023386.D 50 =VY023387.D 100 =VY023388.D 150 =VY023389.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.397	0.399	0.400	0.321	0.310	0.333	0.360	11.97
3)	P	Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.45
4)	C	Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.59#
5)	T	Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.42
6)	T	Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.67
7)	T	Trichlorofluor...	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.54
8)	T	Diethyl Ether	0.240	0.239	0.236	0.215	0.224	0.237	0.232	4.42
9)	T	1,1,2-Trichlor...	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.57
10)	T	Methyl Iodide	0.404	0.503	0.518	0.538	0.547	0.562	0.512	11.09
11)	T	Tert butyl alc...	0.033	0.037	0.030	0.025	0.029	0.033	0.031	13.08
12)	CM	1,1-Dichloroet...	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.14#
13)	T	Acrolein	0.045	0.043	0.042	0.042	0.044	0.048	0.044	5.27
14)	T	Allyl chloride	0.540	0.555	0.546	0.526	0.535	0.560	0.544	2.33
15)	T	Acrylonitrile	0.088	0.093	0.086	0.082	0.088	0.095	0.089	5.52
16)	T	Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.67
17)	T	Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.74
18)	T	Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6.00
19)	T	Methyl tert-bu...	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.30
20)	T	Methylene Chlo...	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.41
21)	T	trans-1,2-Dich...	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.95
22)	T	Diisopropyl ether	1.107	1.238	1.255	1.163	1.195	1.257	1.202	4.95
23)	T	Vinyl Acetate	0.594	0.646	0.651	0.625	0.667	0.722	0.651	6.65
24)	P	1,1-Dichloroet...	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.90
25)	T	2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.56
26)	T	2,2-Dichloropr...	0.752	0.771	0.731	0.705	0.699	0.726	0.731	3.74
27)	T	cis-1,2-Dichlo...	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.81
28)	T	Bromochloromet...	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.22
29)	T	Tetrahydrofuran	0.066	0.070	0.067	0.064	0.070	0.078	0.069	7.25
30)	C	Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.54#
31)	T	Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.27
32)	T	1,1,1-Trichlor...	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.08
33)	S	1,2-Dichloroet...	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.21
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.62
36)	T	1,1-Dichloropr...	0.395	0.413	0.413	0.397	0.405	0.417	0.407	2.20
37)	T	Ethyl Acetate	0.148	0.162	0.163	0.150	0.164	0.179	0.161	6.94
38)	T	Carbon Tetrach...	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.14
39)	T	Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7.03
40)	TM	Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.22
41)	T	Methacrylonitrile	0.082	0.085	0.091	0.080	0.089	0.096	0.087	7.09
42)	TM	1,2-Dichloroet...	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.59
43)	T	Isopropyl Acetate	0.297	0.313	0.313	0.302	0.335	0.369	0.321	8.32
44)	TM	Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.81
45)	C	1,2-Dichloropr...	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.89#
46)	T	Dibromomethane	0.172	0.182	0.183	0.173	0.181	0.188	0.180	3.43
47)	T	Bromodichlorom...	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.70
48)	T	Methyl methacr...	0.125	0.139	0.149	0.148	0.165	0.181	0.151	12.98
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.06
50)	S	Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2.03
51)	T	4-Methyl-2-Pen...	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.55
52)	CM	Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.49#
53)	T	t-1,3-Dichloro...	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.24
54)	T	cis-1,3-Dichlo...	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.86
55)	T	1,1,2-Trichlor...	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.52
56)	T	Ethyl methacry...	0.219	0.248	0.262	0.279	0.321	0.345	0.279	16.80

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y100725S.M

57)	T	1,3-Dichloropr...	0.361	0.381	0.383	0.374	0.392	0.409	0.383	4.26
58)	T	2-Chloroethyl ...	0.093	0.112	0.112	0.129	0.145	0.159	0.125	19.35
59)	T	2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.86
60)	T	Dibromochlorom...	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.69
61)	T	1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.16
62)	S	4-Bromofluorob...	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.51
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.92
65)	PM	Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.89
66)	T	1,1,1,2-Tetrac...	0.388	0.389	0.390	0.373	0.384	0.402	0.388	2.44
67)	C	Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.54#
68)	T	m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.54
69)	T	o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.15
70)	T	Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.55
71)	P	Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.41
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.30
74)	T	N-amyl acetate	0.477	0.535	0.556	0.581	0.665	0.738	0.592	15.95
75)	P	1,1,2,2-Tetrac...	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.60
76)	T	1,2,3-Trichlor...	0.406	0.399	0.484	0.433	0.455	0.469	0.441	7.76
77)	T	Bromobenzene	0.849	0.880	0.885	0.845	0.877	0.921	0.876	3.14
78)	T	n-propylbenzene	3.373	3.676	3.906	3.883	3.955	4.086	3.813	6.64
79)	T	2-Chlorotoluene	2.095	2.208	2.282	2.227	2.249	2.338	2.233	3.66
80)	T	1,3,5-Trimethy...	2.309	2.557	2.736	2.706	2.772	2.896	2.663	7.70
81)	T	trans-1,4-Dich...	0.171	0.175	0.176	0.169	0.185	0.203	0.180	7.04
82)	T	4-Chlorotoluene	2.173	2.266	2.362	2.276	2.316	2.404	2.300	3.52
83)	T	tert-Butylbenzene	2.199	2.363	2.465	2.522	2.533	2.668	2.458	6.55
84)	T	1,2,4-Trimethy...	2.301	2.552	2.701	2.706	2.782	2.903	2.657	7.86
85)	T	sec-Butylbenzene	3.175	3.388	3.571	3.583	3.664	3.778	3.527	6.08
86)	T	p-Isopropyltol...	2.575	2.804	3.032	3.087	3.183	3.334	3.003	9.09
87)	T	1,3-Dichlorobe...	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.85
88)	T	1,4-Dichlorobe...	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.33
89)	T	n-Butylbenzene	2.279	2.428	2.626	2.682	2.778	2.904	2.616	8.76
90)	T	Hexachloroethane	0.667	0.631	0.647	0.625	0.643	0.662	0.646	2.54
91)	T	1,2-Dichlorobe...	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.13
92)	T	1,2-Dibromo-3-...	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.18
93)	T	1,2,4-Trichlor...	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.75
94)	T	Hexachlorobuta...	0.590	0.571	0.572	0.577	0.587	0.590	0.581	1.52
95)	T	Naphthalene	1.206	1.281	1.346	1.466	1.722	1.887	1.485	17.98
96)	T	1,2,3-Trichlor...	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.14

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	585717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	882488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	753398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	378104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	26670	5.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.520%#			
35) Dibromofluoromethane	7.634	113	27455	5.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.260%#			
50) Toluene-d8	10.103	98	99905	4.946	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.900%#			
62) 4-Bromofluorobenzene	12.401	95	35355	5.548	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 11.100%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	23245	5.038	ug/l	92
3) Chloromethane	2.074	50	30346	4.627	ug/l	94
4) Vinyl Chloride	2.202	62	38657	4.668	ug/l	95
5) Bromomethane	2.598	94	35214	5.184	ug/l	94
6) Chloroethane	2.732	64	25848	4.597	ug/l	98
7) Trichlorofluoromethane	3.055	101	51797	4.869	ug/l	98
8) Diethyl Ether	3.452	74	14079	5.060	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	28368	4.989	ug/l	99
10) Methyl Iodide	4.007	142	23692	3.606	ug/l	99
11) Tert butyl alcohol	4.854	59	9774	32.746	ug/l #	80
12) 1,1-Dichloroethene	3.787	96	26290	4.806	ug/l	94
13) Acrolein	3.653	56	13176	26.054	ug/l	100
14) Allyl chloride	4.385	41	31614	4.616	ug/l	98
15) Acrylonitrile	5.055	53	25891	23.754	ug/l	99
16) Acetone	3.866	43	37573	32.940	ug/l	96
17) Carbon Disulfide	4.104	76	75645	4.432	ug/l	99
18) Methyl Acetate	4.391	43	14279	4.926	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	58919	4.600	ug/l	95
20) Methylene Chloride	4.616	84	36598	5.917	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	28923	4.754	ug/l	99
22) Diisopropyl ether	6.018	45	64833	4.269	ug/l	94
23) Vinyl Acetate	5.964	43	173851	20.824	ug/l	99
24) 1,1-Dichloroethane	5.909	63	46850	4.679	ug/l	100
25) 2-Butanone	6.890	43	38990	27.656	ug/l	93
26) 2,2-Dichloropropane	6.884	77	44062	4.953	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	31743	4.600	ug/l	98
28) Bromochloromethane	7.244	49	19445	5.006	ug/l	99
29) Tetrahydrofuran	7.262	42	19296	23.059	ug/l	98
30) Chloroform	7.421	83	51887	4.806	ug/l	97
31) Cyclohexane	7.707	56	46675	5.279	ug/l #	79
32) 1,1,1-Trichloroethane	7.616	97	47305	4.881	ug/l	99
36) 1,1-Dichloropropene	7.835	75	34888	4.617	ug/l	98
37) Ethyl Acetate	6.982	43	13082	4.379	ug/l #	93
38) Carbon Tetrachloride	7.817	117	42654	4.859	ug/l	95
39) Methylcyclohexane	9.109	83	43329	4.479	ug/l	98
40) Benzene	8.079	78	110551	4.693	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	7226m	4.658	ug/l		
42) 1,2-Dichloroethane	8.158	62	28940	4.828	ug/l		100
43) Isopropyl Acetate	8.201	43	26166	4.503	ug/l		99
44) Trichloroethene	8.859	130	33564	5.077	ug/l		99
45) 1,2-Dichloropropane	9.140	63	24358	4.595	ug/l		92
46) Dibromomethane	9.231	93	15179	4.682	ug/l		97
47) Bromodichloromethane	9.420	83	38813	4.756	ug/l		93
48) Methyl methacrylate	9.219	41	11038	4.071	ug/l		98
49) 1,4-Dioxane	9.219	88	3255	96.953	ug/l	#	86
51) 4-Methyl-2-Pentanone	9.999	43	62279	20.925	ug/l		98
52) Toluene	10.170	92	68550	4.585	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	31477	4.491	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	37392	4.463	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	20641	4.786	ug/l		97
56) Ethyl methacrylate	10.438	69	19324	3.891	ug/l		94
57) 1,3-Dichloropropane	10.719	76	31831	4.560	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.713	63	41054m	18.894	ug/l		
59) 2-Hexanone	10.761	43	47778	23.185	ug/l		97
60) Dibromochloromethane	10.908	129	28135	4.783	ug/l		97
61) 1,2-Dibromoethane	11.017	107	18957	4.673	ug/l		97
64) Tetrachloroethene	10.646	164	40570	5.383	ug/l		98
65) Chlorobenzene	11.444	112	81802	4.997	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	29222	5.075	ug/l		97
67) Ethyl Benzene	11.517	91	121005	4.529	ug/l		99
68) m/p-Xylenes	11.633	106	95176	8.887	ug/l		100
69) o-Xylene	11.956	106	44280	4.466	ug/l		98
70) Styrene	11.969	104	67960	4.152	ug/l		99
71) Bromoform	12.133	173	16988	4.929	ug/l	#	99
73) Isopropylbenzene	12.255	105	112194	4.455	ug/l		99
74) N-amyl acetate	12.066	43	18041	3.833	ug/l	#	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	20052	4.773	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	15359m	4.118	ug/l		
77) Bromobenzene	12.529	156	32106	4.967	ug/l		99
78) n-propylbenzene	12.596	91	127521	4.305	ug/l		99
79) 2-Chlorotoluene	12.676	91	79199	4.631	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	87297	4.264	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	6474	4.680	ug/l		98
82) 4-Chlorotoluene	12.779	91	82155	4.600	ug/l		100
83) tert-Butylbenzene	12.999	119	83151	4.457	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	86988	4.294	ug/l		99
85) sec-Butylbenzene	13.176	105	120061	4.443	ug/l		99
86) p-Isopropyltoluene	13.291	119	97377	4.264	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	63027	4.936	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	64389	5.085	ug/l		95
89) n-Butylbenzene	13.615	91	86179	4.274	ug/l		99
90) Hexachloroethane	13.877	117	25204	5.084	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	56167	5.041	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3305	4.964	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	32000	4.875	ug/l		99
94) Hexachlorobutadiene	15.023	225	22316	5.456	ug/l		99
95) Naphthalene	15.145	128	45598	4.360	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	27176	4.772	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

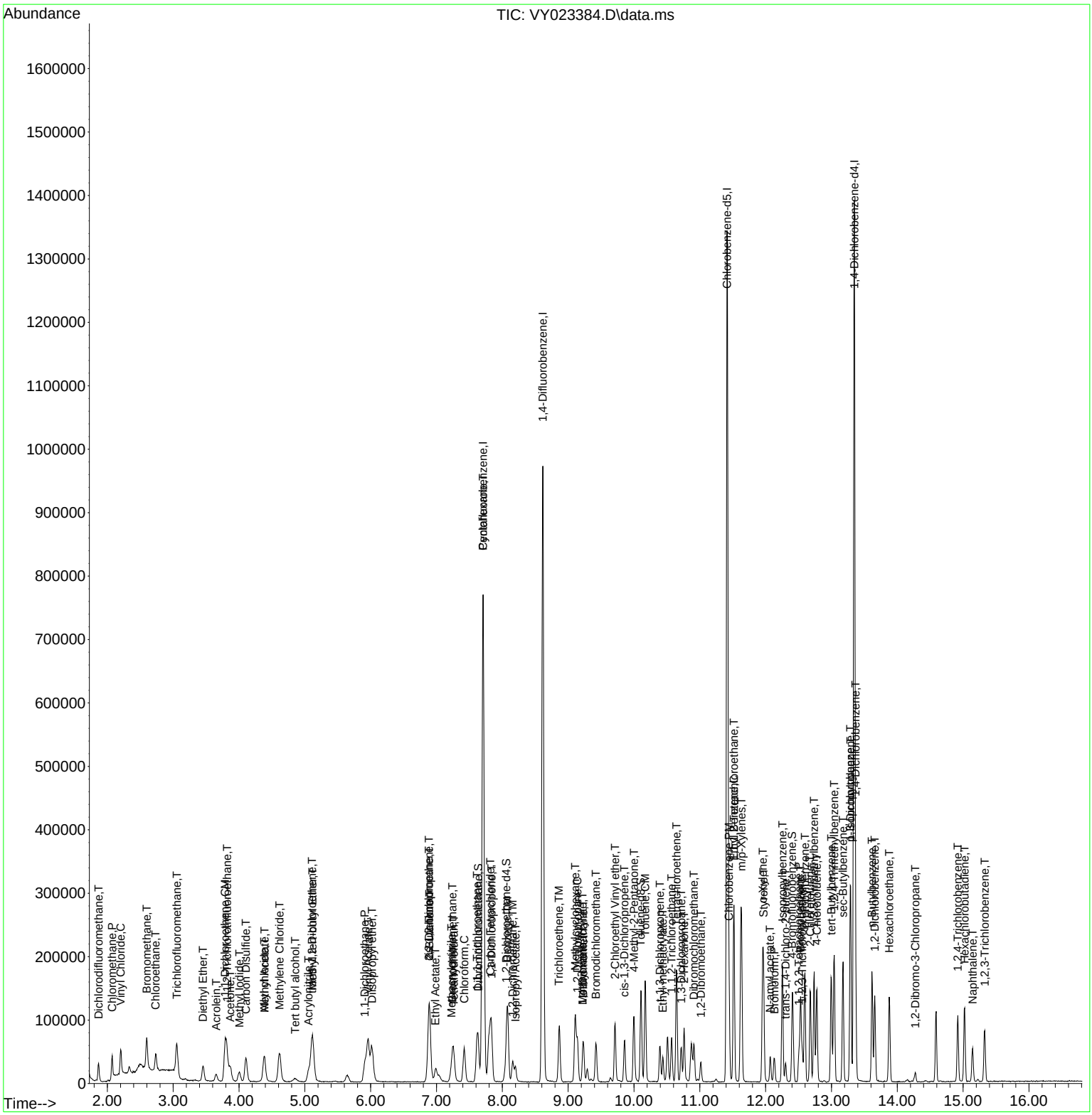
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	559828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	847077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	736152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	374998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48826	10.071	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.140%#		
35) Dibromofluoromethane	7.634	113	53279	10.364	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.720%#		
50) Toluene-d8	10.109	98	198242	10.225	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.460%#		
62) 4-Bromofluorobenzene	12.401	95	62601	10.235	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44666	10.129	ug/l	97
3) Chloromethane	2.068	50	62413	9.957	ug/l	97
4) Vinyl Chloride	2.202	62	76587	9.676	ug/l	99
5) Bromomethane	2.592	94	66689	10.271	ug/l	90
6) Chloroethane	2.732	64	51757	9.632	ug/l	92
7) Trichlorofluoromethane	3.055	101	102972	10.128	ug/l	99
8) Diethyl Ether	3.458	74	26719	10.047	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	54405	10.011	ug/l	99
10) Methyl Iodide	4.007	142	56313	8.967	ug/l	99
11) Tert butyl alcohol	4.854	59	20540	71.998	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	53191	10.173	ug/l	98
13) Acrolein	3.653	56	24014	49.681	ug/l	94
14) Allyl chloride	4.385	41	62154	9.494	ug/l	99
15) Acrylonitrile	5.061	53	51937	49.854	ug/l	99
16) Acetone	3.872	43	65410	59.997	ug/l	94
17) Carbon Disulfide	4.104	76	153055	9.382	ug/l	100
18) Methyl Acetate	4.391	43	29725	10.728	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	120347	9.830	ug/l	100
20) Methylene Chloride	4.616	84	71034	12.016	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	56465	9.710	ug/l	97
22) Diisopropyl ether	6.024	45	138589	9.547	ug/l	98
23) Vinyl Acetate	5.963	43	361478	45.300	ug/l	99
24) 1,1-Dichloroethane	5.915	63	93512	9.772	ug/l	98
25) 2-Butanone	6.890	43	75171	55.784	ug/l	92
26) 2,2-Dichloropropane	6.890	77	86325	10.153	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	65335	9.905	ug/l	99
28) Bromochloromethane	7.244	49	36132	9.733	ug/l	99
29) Tetrahydrofuran	7.262	42	38990	48.749	ug/l	99
30) Chloroform	7.421	83	102058	9.890	ug/l	99
31) Cyclohexane	7.701	56	80245	9.495	ug/l #	88
32) 1,1,1-Trichloroethane	7.622	97	91186	9.844	ug/l	99
36) 1,1-Dichloropropene	7.835	75	69913	9.639	ug/l	99
37) Ethyl Acetate	6.988	43	27388	9.551	ug/l	96
38) Carbon Tetrachloride	7.817	117	84799	10.065	ug/l	99
39) Methylcyclohexane	9.109	83	82275	8.860	ug/l	95
40) Benzene	8.079	78	220629	9.758	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	14344	9.632	ug/l	#	92
42) 1,2-Dichloroethane	8.158	62	58541	10.174	ug/l		99
43) Isopropyl Acetate	8.201	43	53042	9.510	ug/l		98
44) Trichloroethene	8.865	130	64537	10.171	ug/l		96
45) 1,2-Dichloropropane	9.140	63	49009	9.632	ug/l		100
46) Dibromomethane	9.231	93	30780	9.890	ug/l		99
47) Bromodichloromethane	9.426	83	78392	10.007	ug/l		99
48) Methyl methacrylate	9.225	41	23484	9.023	ug/l		97
49) 1,4-Dioxane	9.231	88	6822	211.693	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	134746	47.165	ug/l		99
52) Toluene	10.170	92	138662	9.661	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	64315	9.559	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	77905	9.687	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	41881	10.118	ug/l		92
56) Ethyl methacrylate	10.438	69	42096	8.830	ug/l		98
57) 1,3-Dichloropropane	10.719	76	64537	9.633	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	94970m	45.535	ug/l		
59) 2-Hexanone	10.761	43	99175	50.138	ug/l		96
60) Dibromochloromethane	10.908	129	57151	10.123	ug/l		97
61) 1,2-Dibromoethane	11.011	107	38861	9.979	ug/l		99
64) Tetrachloroethene	10.646	164	76110	10.335	ug/l		98
65) Chlorobenzene	11.438	112	161155	10.074	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.517	131	57233	10.173	ug/l		98
67) Ethyl Benzene	11.517	91	251958	9.651	ug/l		98
68) m/p-Xylenes	11.627	106	198866	19.004	ug/l		99
69) o-Xylene	11.950	106	91710	9.467	ug/l		100
70) Styrene	11.969	104	151094	9.446	ug/l		99
71) Bromoform	12.133	173	35681	10.595	ug/l	#	94
73) Isopropylbenzene	12.249	105	236489	9.467	ug/l		99
74) N-amyl acetate	12.066	43	40098	8.590	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41130	9.871	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	29944m	8.095	ug/l		
77) Bromobenzene	12.529	156	66002	10.295	ug/l		99
78) n-propylbenzene	12.590	91	275671	9.384	ug/l		100
79) 2-Chlorotoluene	12.676	91	165582	9.762	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	191799	9.445	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	13110	9.556	ug/l		99
82) 4-Chlorotoluene	12.773	91	169968	9.595	ug/l		100
83) tert-Butylbenzene	12.993	119	177250	9.579	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	191423	9.528	ug/l		98
85) sec-Butylbenzene	13.170	105	254134	9.483	ug/l		100
86) p-Isopropyltoluene	13.285	119	210320	9.287	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	127377	10.058	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	127757	10.172	ug/l		98
89) n-Butylbenzene	13.615	91	182116	9.107	ug/l		98
90) Hexachloroethane	13.877	117	47355	9.630	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	112325	10.165	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7005	10.608	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	65050	9.992	ug/l		98
94) Hexachlorobutadiene	15.023	225	42813	10.554	ug/l		97
95) Naphthalene	15.139	128	96092	9.264	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	56499	10.004	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

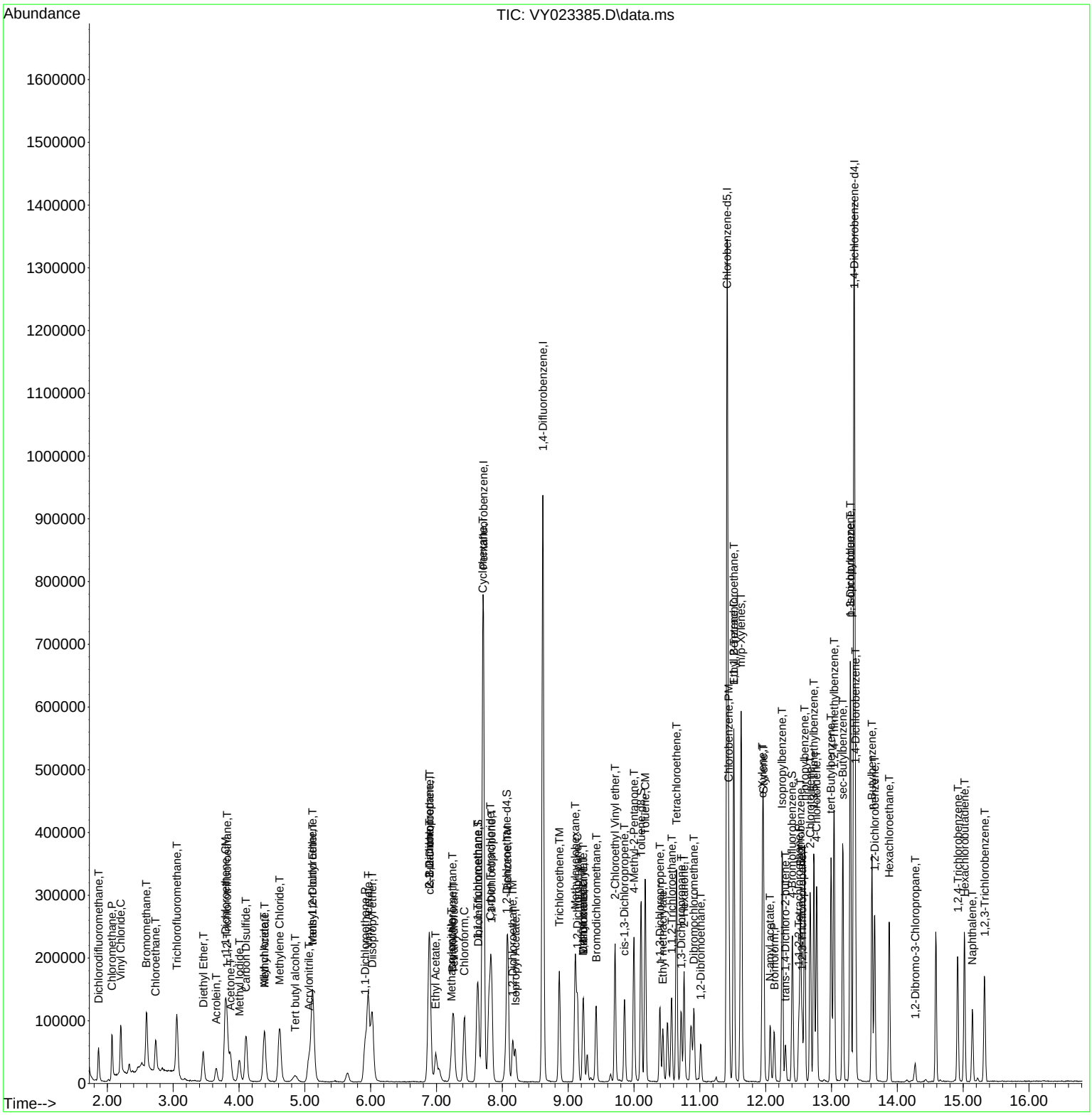
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	574363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	851961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	746872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98481	19.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.600%#		
35) Dibromofluoromethane	7.634	113	108034	20.895	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.800%#		
50) Toluene-d8	10.103	98	401067	20.568	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	41.140%#		
62) 4-Bromofluorobenzene	12.401	95	127216	20.680	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.360%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	91924	20.318	ug/l	98
3) Chloromethane	2.074	50	117585	18.284	ug/l	100
4) Vinyl Chloride	2.202	62	151460	18.652	ug/l	99
5) Bromomethane	2.586	94	125948	18.907	ug/l	97
6) Chloroethane	2.732	64	103973	18.859	ug/l	94
7) Trichlorofluoromethane	3.049	101	217452	20.846	ug/l	99
8) Diethyl Ether	3.452	74	54124	19.837	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	109936	19.718	ug/l	99
10) Methyl Iodide	4.007	142	119083	18.482	ug/l	99
11) Tert butyl alcohol	4.854	59	34346	117.345	ug/l	98
12) 1,1-Dichloroethene	3.787	96	104778	19.531	ug/l	98
13) Acrolein	3.653	56	48115	97.023	ug/l	98
14) Allyl chloride	4.384	41	125424	18.674	ug/l	98
15) Acrylonitrile	5.055	53	99018	92.641	ug/l	100
16) Acetone	3.866	43	108209	96.742	ug/l	96
17) Carbon Disulfide	4.104	76	303284	18.121	ug/l	99
18) Methyl Acetate	4.384	43	59704	21.002	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	247030	19.667	ug/l	97
20) Methylene Chloride	4.616	84	132229	21.801	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	116410	19.512	ug/l	95
22) Diisopropyl ether	6.018	45	288429	19.366	ug/l	98
23) Vinyl Acetate	5.957	43	748048	91.373	ug/l	99
24) 1,1-Dichloroethane	5.915	63	190012	19.354	ug/l	99
25) 2-Butanone	6.896	43	132159	95.593	ug/l	93
26) 2,2-Dichloropropane	6.884	77	167903	19.247	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	133634	19.747	ug/l	99
28) Bromochloromethane	7.244	49	73407	19.273	ug/l	98
29) Tetrahydrofuran	7.262	42	76502	93.229	ug/l	99
30) Chloroform	7.421	83	207096	19.562	ug/l	100
31) Cyclohexane	7.701	56	160159	18.472	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	188861	19.873	ug/l	100
36) 1,1-Dichloropropene	7.835	75	140912	19.317	ug/l	100
37) Ethyl Acetate	6.982	43	55705	19.315	ug/l	98
38) Carbon Tetrachloride	7.817	117	171925	20.289	ug/l	99
39) Methylcyclohexane	9.109	83	182831	19.576	ug/l	99
40) Benzene	8.079	78	450471	19.809	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	31129m	20.783	ug/l		
42) 1,2-Dichloroethane	8.158	62	116941	20.206	ug/l		99
43) Isopropyl Acetate	8.195	43	106595	19.002	ug/l	#	87
44) Trichloroethene	8.865	130	131459	20.598	ug/l		98
45) 1,2-Dichloropropane	9.140	63	99363	19.417	ug/l		98
46) Dibromomethane	9.231	93	62277	19.896	ug/l		98
47) Bromodichloromethane	9.420	83	156426	19.854	ug/l		98
48) Methyl methacrylate	9.219	41	50661	19.352	ug/l		99
49) 1,4-Dioxane	9.225	88	13636	420.712	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	274059	95.378	ug/l		100
52) Toluene	10.170	92	291453	20.191	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	132848	19.632	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	158580	19.606	ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	82183	19.740	ug/l		96
56) Ethyl methacrylate	10.438	69	89244	18.613	ug/l		99
57) 1,3-Dichloropropane	10.719	76	130650	19.389	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	190850m	90.982	ug/l		
59) 2-Hexanone	10.761	43	187387	94.190	ug/l		99
60) Dibromochloromethane	10.908	129	115907	20.412	ug/l		100
61) 1,2-Dibromoethane	11.011	107	78579	20.062	ug/l		100
64) Tetrachloroethene	10.646	164	167648	22.438	ug/l		97
65) Chlorobenzene	11.438	112	326360	20.109	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	116412	20.396	ug/l		99
67) Ethyl Benzene	11.517	91	523606	19.768	ug/l		99
68) m/p-Xylenes	11.627	106	426913	40.211	ug/l		100
69) o-Xylene	11.956	106	195021	19.843	ug/l		96
70) Styrene	11.968	104	327934	20.208	ug/l		99
71) Bromoform	12.133	173	71119	20.814	ug/l	#	99
73) Isopropylbenzene	12.255	105	513183	20.136	ug/l		99
74) N-amyl acetate	12.072	43	85063	17.860	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76821	18.069	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	74100m	19.634	ug/l		
77) Bromobenzene	12.529	156	135402	20.700	ug/l		98
78) n-propylbenzene	12.596	91	597829	19.945	ug/l		100
79) 2-Chlorotoluene	12.676	91	349203	20.179	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	418684	20.208	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	26922	19.234	ug/l		98
82) 4-Chlorotoluene	12.773	91	361458	20.000	ug/l		99
83) tert-Butylbenzene	12.993	119	377277	19.983	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	413292	20.162	ug/l		100
85) sec-Butylbenzene	13.176	105	546582	19.990	ug/l		100
86) p-Isopropyltoluene	13.291	119	464005	20.081	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	262901	20.347	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	259217	20.230	ug/l		99
89) n-Butylbenzene	13.615	91	401893	19.697	ug/l		98
90) Hexachloroethane	13.877	117	98983	19.730	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	231199	20.507	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12668	18.802	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	137963	20.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	87575	21.159	ug/l		99
95) Naphthalene	15.145	128	206017	19.467	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	121656	21.113	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

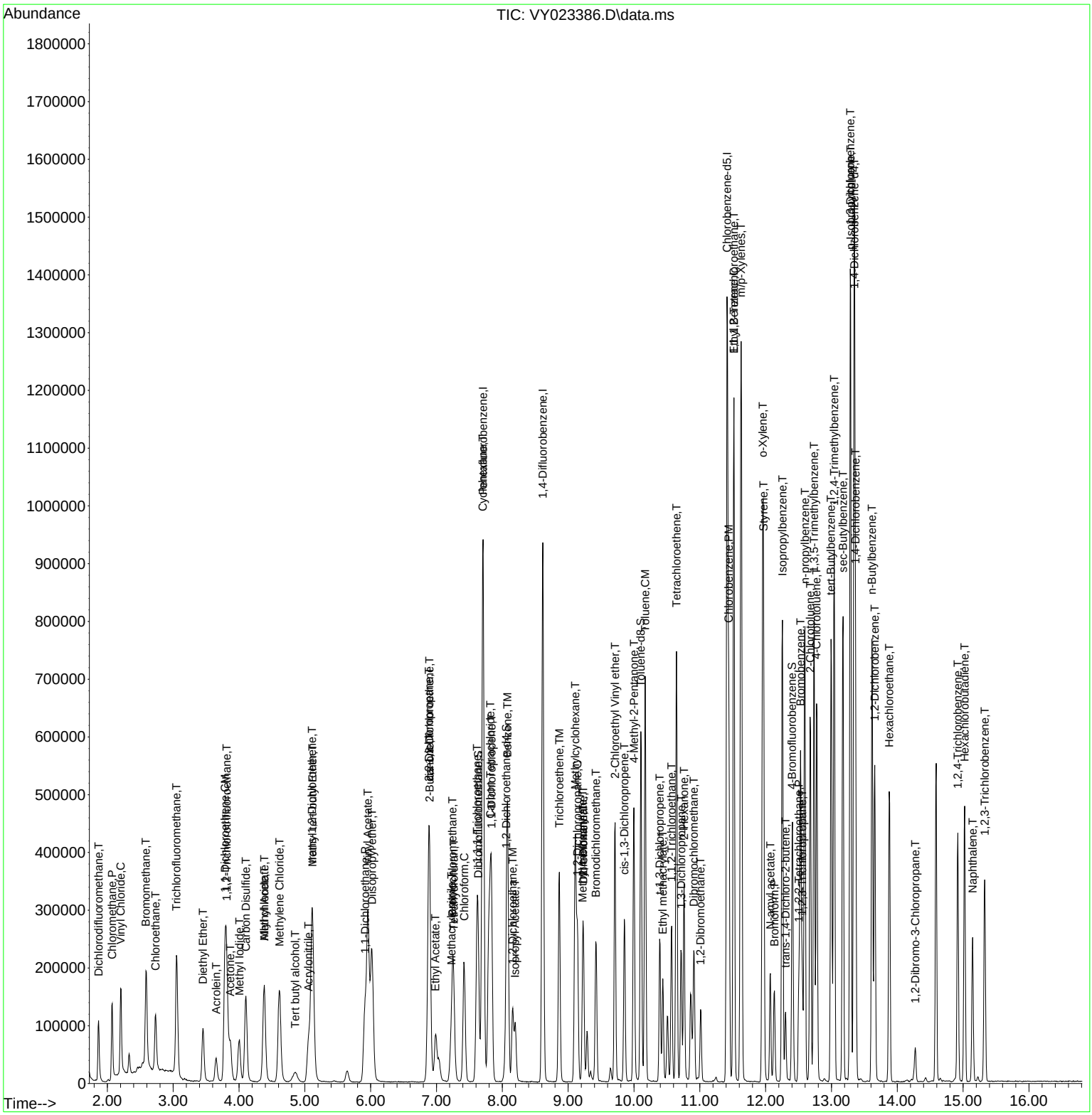
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	590340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	858767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	749869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	392169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	231295	45.240	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.480%			
35) Dibromofluoromethane	7.634	113	256331	49.185	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.360%			
50) Toluene-d8	10.103	98	969649	49.334	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.402	95	313426	50.546	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	189467	40.745	ug/l	100
3) Chloromethane	2.068	50	265142	40.113	ug/l	100
4) Vinyl Chloride	2.202	62	352993	42.293	ug/l	100
5) Bromomethane	2.592	94	277005	40.458	ug/l	100
6) Chloroethane	2.733	64	244551	43.157	ug/l	100
7) Trichlorofluoromethane	3.056	101	496981	46.354	ug/l	100
8) Diethyl Ether	3.452	74	126634	45.158	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	258100	45.039	ug/l	100
10) Methyl Iodide	4.001	142	317731	47.979	ug/l	100
11) Tert butyl alcohol	4.860	59	73642	244.793	ug/l	100
12) 1,1-Dichloroethene	3.787	96	252190	45.738	ug/l	100
13) Acrolein	3.647	56	123642	242.575	ug/l	100
14) Allyl chloride	4.379	41	310569	44.989	ug/l	100
15) Acrylonitrile	5.055	53	240668	219.075	ug/l	100
16) Acetone	3.866	43	247122	214.955	ug/l	100
17) Carbon Disulfide	4.104	76	722982	42.028	ug/l	100
18) Methyl Acetate	4.385	43	144816	49.563	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	601934	46.626	ug/l	100
20) Methylene Chloride	4.616	84	270612	43.409	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	277516	45.256	ug/l	100
22) Diisopropyl ether	6.019	45	686481	44.844	ug/l	100
23) Vinyl Acetate	5.958	43	1843784	219.119	ug/l	100
24) 1,1-Dichloroethane	5.915	63	448267	44.423	ug/l	100
25) 2-Butanone	6.890	43	310237	218.327	ug/l	100
26) 2,2-Dichloropropane	6.884	77	416391	46.440	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	320028	46.010	ug/l	100
28) Bromochloromethane	7.244	49	157414	40.211	ug/l	100
29) Tetrahydrofuran	7.262	42	187787	222.653	ug/l	100
30) Chloroform	7.421	83	493098	45.316	ug/l	100
31) Cyclohexane	7.701	56	379644	42.602	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	452713	46.347	ug/l	100
36) 1,1-Dichloropropene	7.835	75	341353	46.424	ug/l	100
37) Ethyl Acetate	6.982	43	129053	44.394	ug/l	100
38) Carbon Tetrachloride	7.817	117	413187	48.374	ug/l	100
39) Methylcyclohexane	9.109	83	452959	48.113	ug/l	100
40) Benzene	8.079	78	1080883	47.154	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	68542	45.399	ug/l		100
42) 1,2-Dichloroethane	8.152	62	270387	46.350	ug/l		100
43) Isopropyl Acetate	8.195	43	259041	45.811	ug/l		100
44) Trichloroethene	8.866	130	315104	48.982	ug/l		100
45) 1,2-Dichloropropane	9.140	63	234978	45.555	ug/l		100
46) Dibromomethane	9.231	93	148914	47.198	ug/l		100
47) Bromodichloromethane	9.420	83	377084	47.482	ug/l		100
48) Methyl methacrylate	9.219	41	126732	48.027	ug/l		100
49) 1,4-Dioxane	9.225	88	34053	1042.312	ug/l		100
51) 4-Methyl-2-Pentanone	9.993	43	682879	235.772	ug/l		100
52) Toluene	10.170	92	710404	48.824	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	330392	48.438	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	390619	47.910	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	198478	47.296	ug/l		100
56) Ethyl methacrylate	10.438	69	239407	49.535	ug/l		100
57) 1,3-Dichloropropane	10.713	76	321276	47.301	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	553816	261.921	ug/l		100
59) 2-Hexanone	10.756	43	479606	239.162	ug/l		100
60) Dibromochloromethane	10.908	129	281047	49.103	ug/l		100
61) 1,2-Dibromoethane	11.012	107	191356	48.468	ug/l		100
64) Tetrachloroethene	10.646	164	392056	52.264	ug/l		100
65) Chlorobenzene	11.438	112	789650	48.460	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	279583	48.788	ug/l		100
67) Ethyl Benzene	11.518	91	1332350	50.099	ug/l		100
68) m/p-Xylenes	11.627	106	1077583	101.092	ug/l		100
69) o-Xylene	11.950	106	502722	50.946	ug/l		100
70) Styrene	11.969	104	831908	51.059	ug/l		100
71) Bromoform	12.127	173	172315	50.229	ug/l	#	100
73) Isopropylbenzene	12.249	105	1301009	49.803	ug/l		100
74) N-amyl acetate	12.066	43	227684	46.640	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	195565	44.878	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	169814m	43.898	ug/l		
77) Bromobenzene	12.530	156	331331	49.419	ug/l		100
78) n-propylbenzene	12.591	91	1522965	49.572	ug/l		100
79) 2-Chlorotoluene	12.676	91	873335	49.235	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1061112	49.966	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	66299	46.212	ug/l		100
82) 4-Chlorotoluene	12.773	91	892764	48.192	ug/l		100
83) tert-Butylbenzene	12.993	119	988936	51.104	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1061159	50.505	ug/l		100
85) sec-Butylbenzene	13.170	105	1405003	50.133	ug/l		100
86) p-Isopropyltoluene	13.286	119	1210644	51.115	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	649899	49.072	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	636694	48.476	ug/l		100
89) n-Butylbenzene	13.615	91	1051949	50.299	ug/l		100
90) Hexachloroethane	13.877	117	245108	47.664	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	567114	49.075	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32585	47.184	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	359833	52.852	ug/l		100
94) Hexachlorobutadiene	15.017	225	226316	53.346	ug/l		100
95) Naphthalene	15.139	128	575044	53.012	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	310831	52.628	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

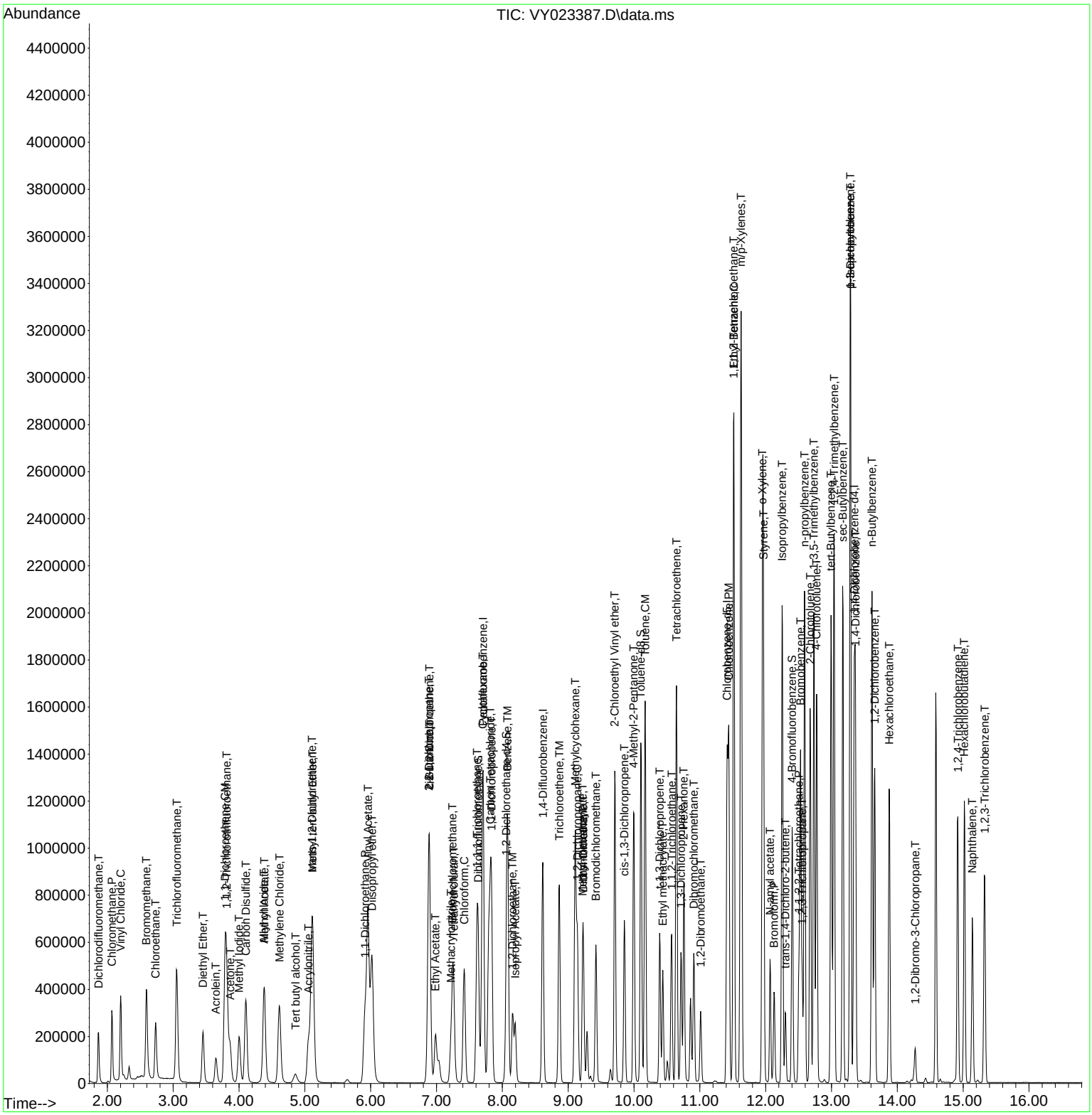
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	595770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	855682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	764361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	400285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	467005	90.510	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 181.020%#			
35) Dibromofluoromethane	7.634	113	511478	98.497	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.000%#			
50) Toluene-d8	10.103	98	1919872	98.031	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 196.060%#			
62) 4-Bromofluorobenzene	12.401	95	636435	103.007	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.020%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	368985	78.627	ug/l	96
3) Chloromethane	2.068	50	521606	78.195	ug/l	96
4) Vinyl Chloride	2.202	62	711235	84.438	ug/l	100
5) Bromomethane	2.586	94	574957	83.210	ug/l	99
6) Chloroethane	2.732	64	491625	85.968	ug/l	99
7) Trichlorofluoromethane	3.049	101	1012851	93.610	ug/l	99
8) Diethyl Ether	3.452	74	266779	94.266	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	511482	88.441	ug/l	100
10) Methyl Iodide	4.001	142	651575	97.495	ug/l	99
11) Tert butyl alcohol	4.866	59	172718	568.898	ug/l	99
12) 1,1-Dichloroethene	3.787	96	508059	91.303	ug/l	96
13) Acrolein	3.647	56	262636	510.573	ug/l	99
14) Allyl chloride	4.378	41	637073	91.446	ug/l	99
15) Acrylonitrile	5.055	53	522511	471.296	ug/l	100
16) Acetone	3.866	43	504700	435.004	ug/l	98
17) Carbon Disulfide	4.104	76	1442005	83.061	ug/l	99
18) Methyl Acetate	4.385	43	316911	107.474	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1300206	99.797	ug/l	97
20) Methylene Chloride	4.610	84	552018	87.742	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	569334	91.999	ug/l	96
22) Diisopropyl ether	6.018	45	1423347	92.133	ug/l	97
23) Vinyl Acetate	5.957	43	3975052	468.098	ug/l	99
24) 1,1-Dichloroethane	5.915	63	911619	89.517	ug/l	99
25) 2-Butanone	6.890	43	685693	478.154	ug/l	99
26) 2,2-Dichloropropane	6.884	77	833452	92.108	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	670773	95.557	ug/l	98
28) Bromochloromethane	7.244	49	321657	81.418	ug/l	99
29) Tetrahydrofuran	7.262	42	415867	488.587	ug/l	99
30) Chloroform	7.421	83	1003722	91.401	ug/l	100
31) Cyclohexane	7.701	56	767083	85.293	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	910837	92.399	ug/l	100
36) 1,1-Dichloropropene	7.835	75	692477	94.516	ug/l	99
37) Ethyl Acetate	6.982	43	280560	96.859	ug/l	98
38) Carbon Tetrachloride	7.817	117	833170	97.894	ug/l	99
39) Methylcyclohexane	9.109	83	947664	101.024	ug/l	99
40) Benzene	8.079	78	2192645	96.000	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	152239	101.200	ug/l		98
42) 1,2-Dichloroethane	8.158	62	554810	95.449	ug/l		100
43) Isopropyl Acetate	8.195	43	573653	101.815	ug/l		99
44) Trichloroethene	8.866	130	636149	99.245	ug/l		100
45) 1,2-Dichloropropane	9.140	63	485084	94.381	ug/l		99
46) Dibromomethane	9.231	93	309964	98.596	ug/l		99
47) Bromodichloromethane	9.420	83	769238	97.210	ug/l		99
48) Methyl methacrylate	9.219	41	282582	107.476	ug/l		99
49) 1,4-Dioxane	9.225	88	77305	2374.722	ug/l		99
51) 4-Methyl-2-Pentanone	9.993	43	1539324	533.386	ug/l		100
52) Toluene	10.170	92	1462927	100.905	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	710475	104.537	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	822967	101.302	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	417623	99.875	ug/l		96
56) Ethyl methacrylate	10.438	69	549366	114.077	ug/l		99
57) 1,3-Dichloropropane	10.713	76	670961	99.140	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	1240361	588.731	ug/l		99
59) 2-Hexanone	10.755	43	1081568	541.284	ug/l		99
60) Dibromochloromethane	10.908	129	593878	104.133	ug/l		100
61) 1,2-Dibromoethane	11.011	107	406293	103.280	ug/l		99
64) Tetrachloroethene	10.646	164	767753	100.406	ug/l		99
65) Chlorobenzene	11.438	112	1655143	99.649	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	586878	100.470	ug/l		99
67) Ethyl Benzene	11.517	91	2788252	102.856	ug/l		98
68) m/p-Xylenes	11.627	106	2243033	206.437	ug/l		100
69) o-Xylene	11.950	106	1072335	106.611	ug/l		99
70) Styrene	11.969	104	1782757	107.344	ug/l		100
71) Bromoform	12.127	173	373208	106.727	ug/l	#	100
73) Isopropylbenzene	12.249	105	2741698	102.825	ug/l		100
74) N-amyl acetate	12.066	43	532255	106.818	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	434720	97.735	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	364622m	92.345	ug/l		
77) Bromobenzene	12.529	156	701741	102.545	ug/l		100
78) n-propylbenzene	12.590	91	3165894	100.958	ug/l		99
79) 2-Chlorotoluene	12.676	91	1800124	99.426	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	2219080	102.374	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	148302	101.273	ug/l		98
82) 4-Chlorotoluene	12.773	91	1854165	98.060	ug/l		99
83) tert-Butylbenzene	12.993	119	2028198	102.684	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	2227197	103.853	ug/l		100
85) sec-Butylbenzene	13.170	105	2932949	102.530	ug/l		100
86) p-Isopropyltoluene	13.285	119	2548220	105.408	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	1361716	100.735	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	1323618	98.734	ug/l		100
89) n-Butylbenzene	13.615	91	2223744	104.174	ug/l		99
90) Hexachloroethane	13.877	117	514746	98.069	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1193043	101.146	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	70107	99.458	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	806328	116.031	ug/l		99
94) Hexachlorobutadiene	15.017	225	470072	108.557	ug/l		99
95) Naphthalene	15.139	128	1378291	124.485	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	693477	115.034	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

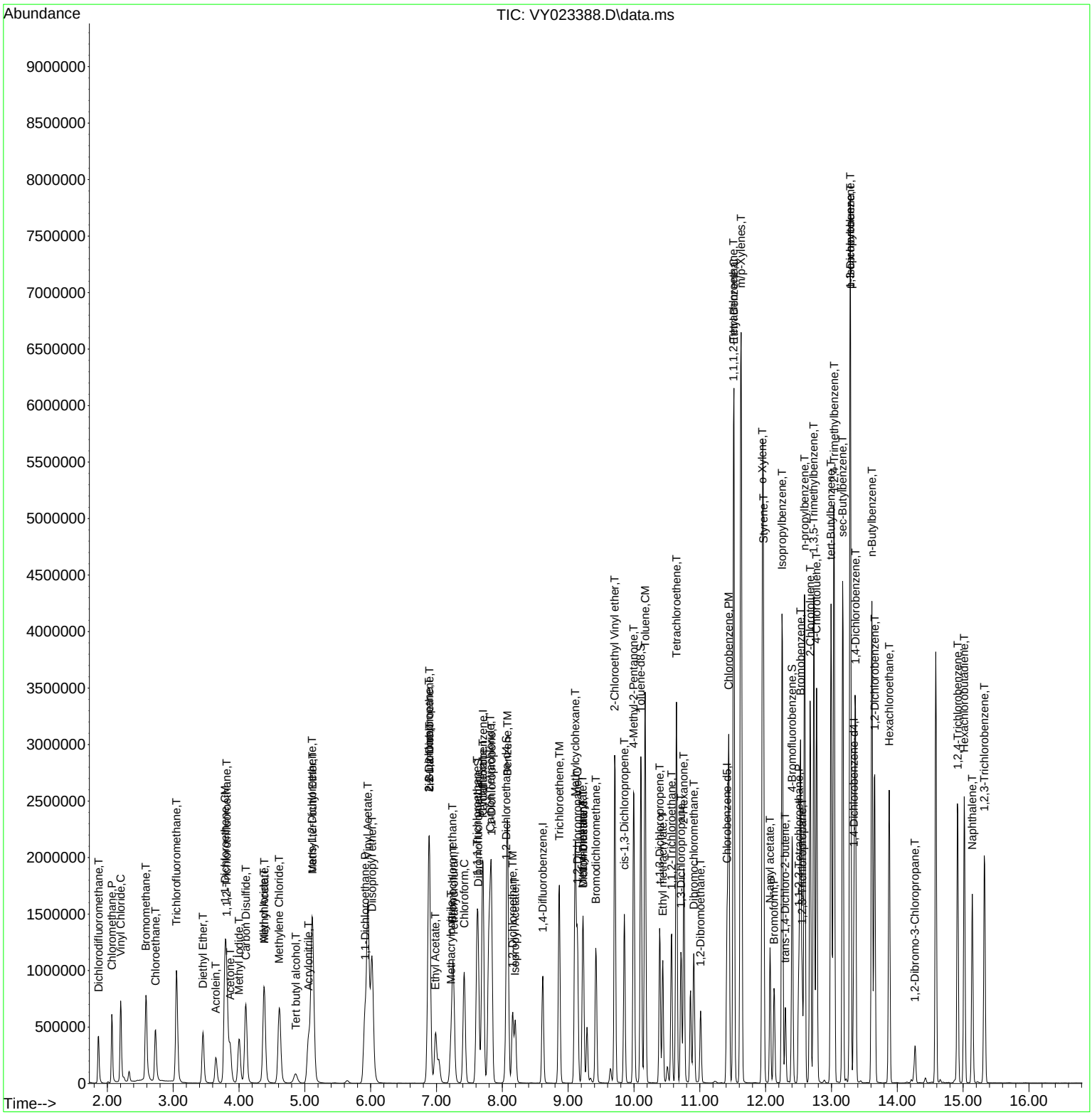
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	588489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	855488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	765357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	402368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	714730	140.236	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 280.480%#			
35) Dibromofluoromethane	7.634	113	778632	149.977	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 299.960%#			
50) Toluene-d8	10.103	98	2912319	148.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 297.480%#			
62) 4-Bromofluorobenzene	12.402	95	990964	160.423	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 320.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	587619	126.766	ug/l	97
3) Chloromethane	2.068	50	825167	125.233	ug/l	100
4) Vinyl Chloride	2.208	62	1118134	134.387	ug/l	100
5) Bromomethane	2.580	94	915389	134.118	ug/l	98
6) Chloroethane	2.726	64	756912	133.994	ug/l	99
7) Trichlorofluoromethane	3.050	101	1549160	144.948	ug/l	100
8) Diethyl Ether	3.452	74	418615	149.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	786278	137.639	ug/l	99
10) Methyl Iodide	4.007	142	992925	150.409	ug/l	99
11) Tert butyl alcohol	4.866	59	288878	963.279	ug/l	99
12) 1,1-Dichloroethene	3.787	96	781235	142.133	ug/l	97
13) Acrolein	3.653	56	423418	833.323	ug/l	100
14) Allyl chloride	4.385	41	988378	143.628	ug/l	99
15) Acrylonitrile	5.055	53	841857	768.735	ug/l	99
16) Acetone	3.866	43	789668	689.040	ug/l	99
17) Carbon Disulfide	4.104	76	2199339	128.252	ug/l	100
18) Methyl Acetate	4.385	43	505344	173.497	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	2056533	159.802	ug/l	97
20) Methylene Chloride	4.616	84	835005	134.365	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	871380	142.549	ug/l	98
22) Diisopropyl ether	6.019	45	2218430	145.375	ug/l	99
23) Vinyl Acetate	5.958	43	6377047	760.246	ug/l	99
24) 1,1-Dichloroethane	5.915	63	1398477	139.024	ug/l	98
25) 2-Butanone	6.890	43	1116343	788.091	ug/l	97
26) 2,2-Dichloropropane	6.884	77	1281633	143.391	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	1043574	150.505	ug/l	98
28) Bromochloromethane	7.244	49	482210	123.567	ug/l	99
29) Tetrahydrofuran	7.262	42	687719	817.972	ug/l	100
30) Chloroform	7.421	83	1542715	142.221	ug/l	99
31) Cyclohexane	7.701	56	1192778	134.268	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	1405131	144.305	ug/l	100
36) 1,1-Dichloropropene	7.835	75	1069665	146.031	ug/l	100
37) Ethyl Acetate	6.982	43	460027	158.853	ug/l	98
38) Carbon Tetrachloride	7.817	117	1290353	151.646	ug/l	99
39) Methylcyclohexane	9.109	83	1496612	159.580	ug/l	99
40) Benzene	8.079	78	3366812	147.442	ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	246974	164.212	ug/l		98
42) 1,2-Dichloroethane	8.158	62	866250	149.063	ug/l		100
43) Isopropyl Acetate	8.195	43	946087	167.955	ug/l		100
44) Trichloroethene	8.866	130	966011	150.740	ug/l		99
45) 1,2-Dichloropropane	9.140	63	752286	146.403	ug/l		99
46) Dibromomethane	9.231	93	483702	153.895	ug/l		99
47) Bromodichloromethane	9.420	83	1202247	151.965	ug/l		98
48) Methyl methacrylate	9.219	41	463614	176.368	ug/l		100
49) 1,4-Dioxane	9.225	88	123991	3809.726	ug/l		97
51) 4-Methyl-2-Pentanone	9.993	43	2516107	872.045	ug/l		100
52) Toluene	10.170	92	2272574	156.786	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	1123644	165.367	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	1296713	159.654	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	652242	156.020	ug/l		96
56) Ethyl methacrylate	10.438	69	886127	184.048	ug/l		100
57) 1,3-Dichloropropane	10.713	76	1049593	155.122	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	2040136	968.559	ug/l		100
59) 2-Hexanone	10.755	43	1776032	889.038	ug/l		99
60) Dibromochloromethane	10.908	129	935577	164.084	ug/l		99
61) 1,2-Dibromoethane	11.012	107	639895	162.699	ug/l		99
64) Tetrachloroethene	10.646	164	1046931	136.739	ug/l		98
65) Chlorobenzene	11.438	112	2563176	154.117	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	923367	157.870	ug/l		99
67) Ethyl Benzene	11.518	91	4341801	159.957	ug/l		97
68) m/p-Xylenes	11.627	106	3502137	321.899	ug/l		99
69) o-Xylene	11.950	106	1694987	168.295	ug/l		98
70) Styrene	11.969	104	2830398	170.203	ug/l		99
71) Bromoform	12.127	173	602644	172.115	ug/l	#	99
73) Isopropylbenzene	12.249	105	4290662	160.084	ug/l		100
74) N-amyl acetate	12.066	43	890882	177.866	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	737773	165.010	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	565754m	142.542	ug/l		
77) Bromobenzene	12.530	156	1111318	161.555	ug/l		100
78) n-propylbenzene	12.591	91	4932015	156.465	ug/l		99
79) 2-Chlorotoluene	12.676	91	2822049	155.063	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	3496249	160.460	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	245190	166.570	ug/l		98
82) 4-Chlorotoluene	12.773	91	2902371	152.701	ug/l		99
83) tert-Butylbenzene	12.993	119	3220384	162.197	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	3503639	162.527	ug/l		99
85) sec-Butylbenzene	13.170	105	4560715	158.609	ug/l		99
86) p-Isopropyltoluene	13.286	119	4024712	165.622	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	2165278	159.350	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	2090133	155.104	ug/l		100
89) n-Butylbenzene	13.615	91	3505715	163.379	ug/l		99
90) Hexachloroethane	13.877	117	799264	151.487	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1862691	157.101	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	116273	164.099	ug/l		96
93) 1,2,4-Trichlorobenzene	14.913	180	1272621	182.183	ug/l		100
94) Hexachlorobutadiene	15.017	225	711748	163.518	ug/l		98
95) Naphthalene	15.139	128	2277549	204.639	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	1110193	183.206	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

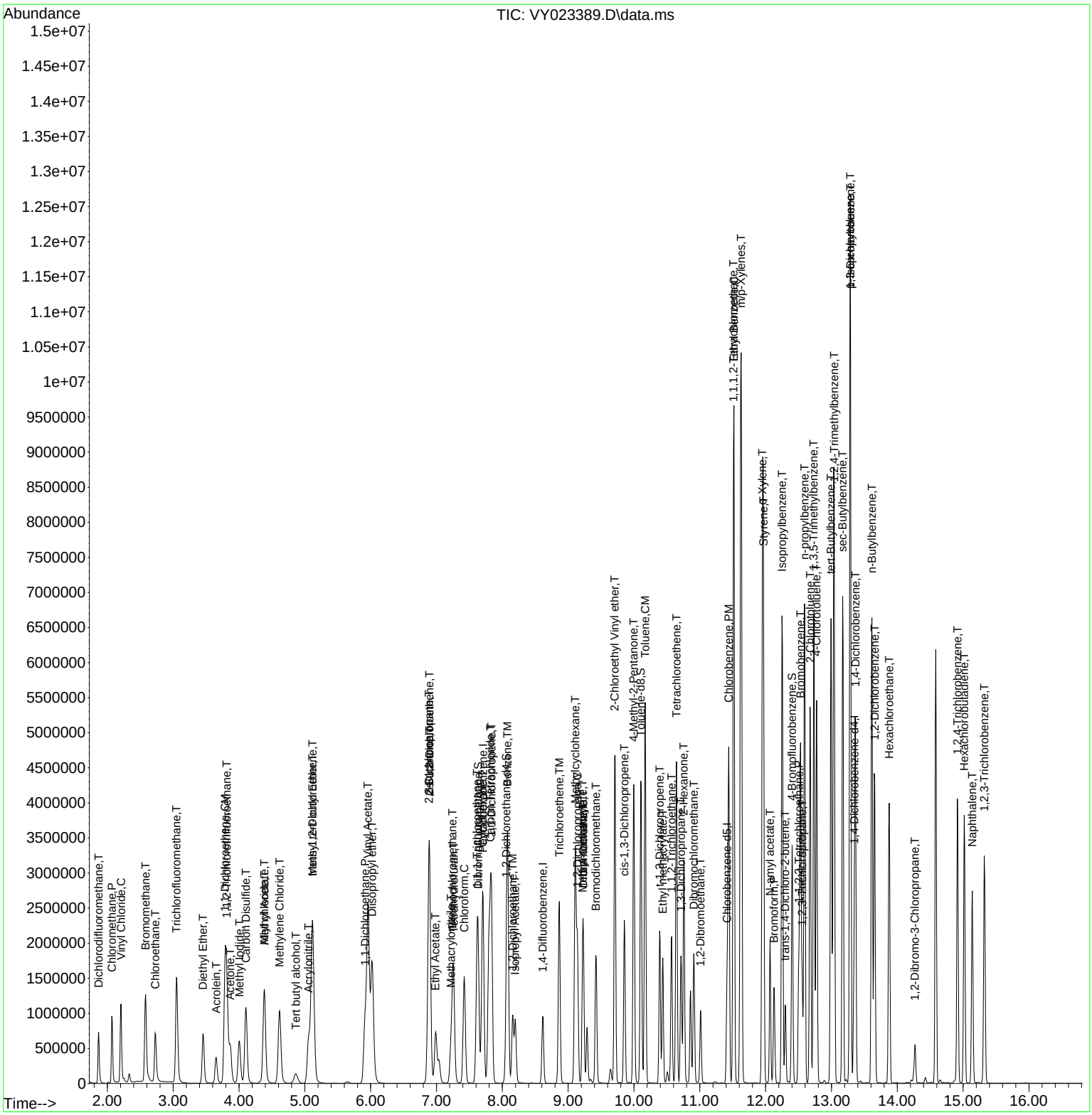
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	574332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	861639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	771372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	405636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	237493	49.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.900%			
35) Dibromofluoromethane	7.634	113	260038	49.116	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.240%			
50) Toluene-d8	10.103	98	970614	49.228	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.460%			
62) 4-Bromofluorobenzene	12.402	95	324700	49.881	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	185683	44.916	ug/l	99
3) Chloromethane	2.068	50	295766	52.519	ug/l	98
4) Vinyl Chloride	2.208	62	362714	49.449	ug/l	100
5) Bromomethane	2.598	94	300735	48.856	ug/l	98
6) Chloroethane	2.739	64	256831	51.367	ug/l	99
7) Trichlorofluoromethane	3.056	101	494789	48.582	ug/l	99
8) Diethyl Ether	3.458	74	135857	51.050	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	257524	48.728	ug/l	100
10) Methyl Iodide	4.007	142	305209	51.875	ug/l	98
11) Tert butyl alcohol	4.860	59	82562	231.079	ug/l	100
12) 1,1-Dichloroethene	3.787	96	254382	49.653	ug/l	97
13) Acrolein	3.653	56	124288	246.184	ug/l	99
14) Allyl chloride	4.385	41	316213	50.645	ug/l	99
15) Acrylonitrile	5.055	53	256219	251.575	ug/l	99
16) Acetone	3.866	43	243433	212.910	ug/l	98
17) Carbon Disulfide	4.104	76	733457	50.021	ug/l	100
18) Methyl Acetate	4.385	43	151281	50.439	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	643111	52.230	ug/l	97
20) Methylene Chloride	4.616	84	324604	52.503	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	290384	51.482	ug/l	98
22) Diisopropyl ether	6.019	45	709381	51.364	ug/l	99
23) Vinyl Acetate	5.958	43	1950969	260.981	ug/l	99
24) 1,1-Dichloroethane	5.915	63	464207	50.742	ug/l	98
25) 2-Butanone	6.890	43	325351	233.083	ug/l	99
26) 2,2-Dichloropropane	6.884	77	416585	49.626	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	341964	52.485	ug/l	97
28) Bromochloromethane	7.244	49	155146	45.427	ug/l	100
29) Tetrahydrofuran	7.262	42	200513	253.317	ug/l	99
30) Chloroform	7.421	83	513997	51.137	ug/l	98
31) Cyclohexane	7.701	56	378819	47.416	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	456112	49.934	ug/l	100
36) 1,1-Dichloropropene	7.835	75	348786	49.761	ug/l	99
37) Ethyl Acetate	6.982	43	138119	49.740	ug/l	98
38) Carbon Tetrachloride	7.817	117	413653	48.671	ug/l	99
39) Methylcyclohexane	9.109	83	456031	49.970	ug/l	99
40) Benzene	8.079	78	1107790	49.906	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.220	41	72100	48.008	ug/l		96
42)	1,2-Dichloroethane	8.158	62	282332	49.318	ug/l		99
43)	Isopropyl Acetate	8.195	43	279887	50.548	ug/l		100
44)	Trichloroethene	8.866	130	319131	49.120	ug/l		98
45)	1,2-Dichloropropane	9.140	63	246887	50.355	ug/l		100
46)	Dibromomethane	9.231	93	157758	50.885	ug/l		98
47)	Bromodichloromethane	9.420	83	393918	50.450	ug/l		99
48)	Methyl methacrylate	9.219	41	128606	49.440	ug/l		95
49)	1,4-Dioxane	9.231	88	37356	1039.252	ug/l		97
51)	4-Methyl-2-Pentanone	10.000	43	724992	253.421	ug/l		100
52)	Toluene	10.170	92	743055	51.556	ug/l		99
53)	t-1,3-Dichloropropene	10.390	75	347336	51.160	ug/l		99
54)	cis-1,3-Dichloropropene	9.853	75	413860	51.649	ug/l		99
55)	1,1,2-Trichloroethane	10.573	97	210245	50.430	ug/l		97
56)	Ethyl methacrylate	10.438	69	256731	53.385	ug/l		99
57)	1,3-Dichloropropane	10.713	76	337673	51.113	ug/l		99
58)	2-Chloroethyl Vinyl ether	9.713	63	586266	272.133	ug/l		100
59)	2-Hexanone	10.762	43	501877	245.480	ug/l		99
60)	Dibromochloromethane	10.908	129	297946	50.974	ug/l		99
61)	1,2-Dibromoethane	11.018	107	201415	50.658	ug/l		100
64)	Tetrachloroethene	10.646	164	382998	48.087	ug/l		99
65)	Chlorobenzene	11.438	112	828466	49.381	ug/l		100
66)	1,1,1,2-Tetrachloroethane	11.518	131	296157	49.537	ug/l		99
67)	Ethyl Benzene	11.518	91	1380691	50.841	ug/l		100
68)	m/p-Xylenes	11.627	106	1108386	101.757	ug/l		100
69)	o-Xylene	11.950	106	526954	51.577	ug/l		100
70)	Styrene	11.969	104	875709	52.122	ug/l		100
71)	Bromoform	12.133	173	185682	50.070	ug/l	#	98
73)	Isopropylbenzene	12.255	105	1345109	50.318	ug/l		100
74)	N-amyl acetate	12.066	43	245291	51.087	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.505	83	217245	49.688	ug/l		99
76)	1,2,3-Trichloropropane	12.554	75	153438m	42.874	ug/l		
77)	Bromobenzene	12.530	156	352420	49.590	ug/l		99
78)	n-propylbenzene	12.591	91	1568180	50.694	ug/l		100
79)	2-Chlorotoluene	12.676	91	906610	50.047	ug/l		100
80)	1,3,5-Trimethylbenzene	12.737	105	1106664	51.231	ug/l		99
81)	trans-1,4-Dichloro-2-b...	12.304	75	67959	46.566	ug/l		97
82)	4-Chlorotoluene	12.773	91	941314	50.455	ug/l		100
83)	tert-Butylbenzene	12.993	119	1037510	52.019	ug/l		99
84)	1,2,4-Trimethylbenzene	13.042	105	1110672	51.520	ug/l		99
85)	sec-Butylbenzene	13.176	105	1454774	50.848	ug/l		100
86)	p-Isopropyltoluene	13.292	119	1263377	51.864	ug/l		99
87)	1,3-Dichlorobenzene	13.286	146	686854	49.632	ug/l		99
88)	1,4-Dichlorobenzene	13.365	146	671644	49.140	ug/l		100
89)	n-Butylbenzene	13.615	91	1100086	51.829	ug/l		99
90)	Hexachloroethane	13.877	117	257335	49.116	ug/l		98
91)	1,2-Dichlorobenzene	13.657	146	602989	49.698	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.273	75	34928	48.687	ug/l		99
93)	1,2,4-Trichlorobenzene	14.919	180	386806	51.138	ug/l		100
94)	Hexachlorobutadiene	15.023	225	236040	50.061	ug/l		99
95)	Naphthalene	15.139	128	628190	52.154	ug/l		100
96)	1,2,3-Trichlorobenzene	15.328	180	335267	51.172	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
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Operator : SY/MD
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Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
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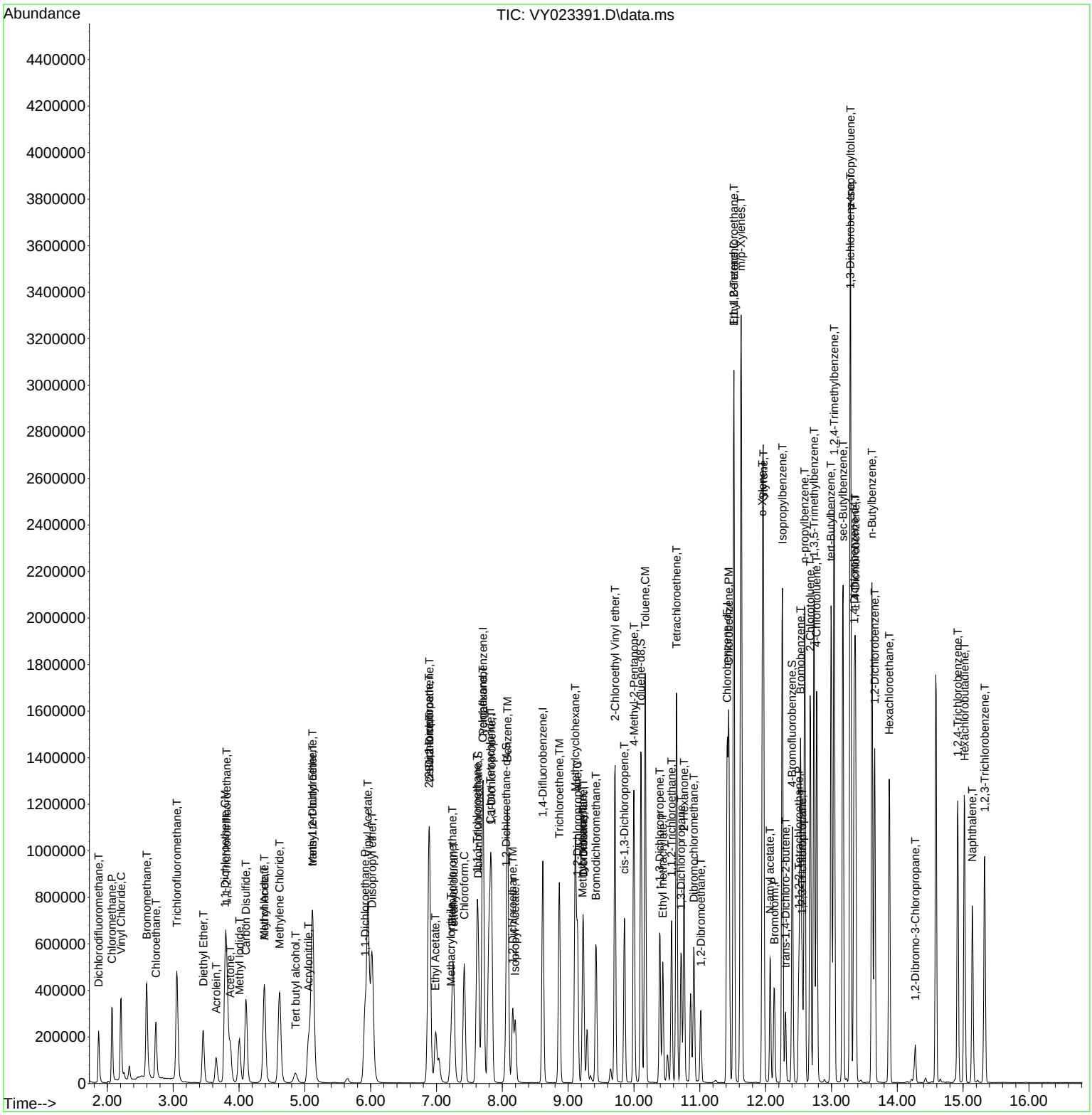
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	97	0.00
2	T	Dichlorodifluoromethane	50.000	44.916	10.2	98	0.00
3	P	Chloromethane	50.000	52.519	-5.0	112	0.00
4	C	Vinyl Chloride	50.000	49.449	1.1#	103	0.00
5	T	Bromomethane	50.000	48.856	2.3	109	0.00
6	T	Chloroethane	50.000	51.367	-2.7	105	0.00
7	T	Trichlorofluoromethane	50.000	48.582	2.8	100	0.00
8	T	Diethyl Ether	50.000	51.050	-2.1	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.728	2.5	100	0.00
10	T	Methyl Iodide	50.000	51.875	-3.8	96	0.00
11	T	Tert butyl alcohol	250.000	231.079	7.6	112	0.00
12	CM	1,1-Dichloroethene	50.000	49.653	0.7#	101	0.00
13	T	Acrolein	250.000	246.184	1.5	101	0.00
14	T	Allyl chloride	50.000	50.645	-1.3	102	0.00
15	T	Acrylonitrile	250.000	251.575	-0.6	106	0.00
16	T	Acetone	250.000	212.910	14.8	99	0.00
17	T	Carbon Disulfide	50.000	50.021	-0.0	101	0.00
18	T	Methyl Acetate	50.000	50.439	-0.9	104	0.00
19	T	Methyl tert-butyl Ether	50.000	52.230	-4.5	107	0.00
20	T	Methylene Chloride	50.000	52.503	-5.0	120	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.482	-3.0	105	0.00
22	T	Diisopropyl ether	50.000	51.364	-2.7	103	0.00
23	T	Vinyl Acetate	250.000	260.981	-4.4	106	0.00
24	P	1,1-Dichloroethane	50.000	50.742	-1.5	104	0.00
25	T	2-Butanone	250.000	233.083	6.8	105	0.00
26	T	2,2-Dichloropropane	50.000	49.626	0.7	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.485	-5.0	107	0.00
28	T	Bromochloromethane	50.000	45.427	9.1	99	0.00
29	T	Tetrahydrofuran	250.000	253.317	-1.3	107	0.00
30	C	Chloroform	50.000	51.137	-2.3#	104	0.00
31	T	Cyclohexane	50.000	47.416	5.2	100	0.00
32	T	1,1,1-Trichloroethane	50.000	49.934	0.1	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.450	1.1	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	49.116	1.8	101	0.00
36	T	1,1-Dichloropropene	50.000	49.761	0.5	102	0.00
37	T	Ethyl Acetate	50.000	49.740	0.5	107	0.00
38	T	Carbon Tetrachloride	50.000	48.671	2.7	100	0.00
39	T	Methylcyclohexane	50.000	49.970	0.1	101	0.00
40	TM	Benzene	50.000	49.906	0.2	102	0.00
41	T	Methacrylonitrile	50.000	48.008	4.0	105	0.00
42	TM	1,2-Dichloroethane	50.000	49.318	1.4	104	0.00
43	T	Isopropyl Acetate	50.000	50.548	-1.1	108	0.00
44	TM	Trichloroethene	50.000	49.120	1.8	101	0.00
45	C	1,2-Dichloropropane	50.000	50.355	-0.7#	105	0.00
46	T	Dibromomethane	50.000	50.885	-1.8	106	0.00
47	T	Bromodichloromethane	50.000	50.450	-0.9	104	0.00
48	T	Methyl methacrylate	50.000	49.440	1.1	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	1039.252	-3.9	110	0.00
50	S	Toluene-d8	50.000	49.228	1.5	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.421	-1.4	106	0.00
52	CM	Toluene	50.000	51.556	-3.1#	105	0.00
53	T	t-1,3-Dichloropropene	50.000	51.160	-2.3	105	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.649	-3.3	106	0.00
55	T	1,1,2-Trichloroethane	50.000	50.430	-0.9	106	0.00
56	T	Ethyl methacrylate	50.000	53.385	-6.8	107	0.00
57	T	1,3-Dichloropropane	50.000	51.113	-2.2	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	272.133	-8.9	106	0.00
59	T	2-Hexanone	250.000	245.480	1.8	105	0.00
60	T	Dibromochloromethane	50.000	50.974	-1.9	106	0.00
61	T	1,2-Dibromoethane	50.000	50.658	-1.3	105	0.00
62	S	4-Bromofluorobenzene	50.000	49.881	0.2	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	48.087	3.8	98	0.00
65	PM	Chlorobenzene	50.000	49.381	1.2	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.537	0.9	106	0.00
67	C	Ethyl Benzene	50.000	50.841	-1.7#	104	0.00
68	T	m/p-Xylenes	100.000	101.757	-1.8	103	0.00
69	T	o-Xylene	50.000	51.577	-3.2	105	0.00
70	T	Styrene	50.000	52.122	-4.2	105	0.00
71	P	Bromoform	50.000	50.070	-0.1	108	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	50.318	-0.6	103	0.00
74	T	N-amyl acetate	50.000	51.087	-2.2	108	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.688	0.6	111	0.00
76	T	1,2,3-Trichloropropane	50.000	42.874	14.3	90	0.00
77	T	Bromobenzene	50.000	49.590	0.8	106	0.00
78	T	n-propylbenzene	50.000	50.694	-1.4	103	0.00
79	T	2-Chlorotoluene	50.000	50.047	-0.1	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.231	-2.5	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.566	6.9	103	0.00
82	T	4-Chlorotoluene	50.000	50.455	-0.9	105	0.00
83	T	tert-Butylbenzene	50.000	52.019	-4.0	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.520	-3.0	105	0.00
85	T	sec-Butylbenzene	50.000	50.848	-1.7	104	0.00
86	T	p-Isopropyltoluene	50.000	51.864	-3.7	104	0.00
87	T	1,3-Dichlorobenzene	50.000	49.632	0.7	106	0.00
88	T	1,4-Dichlorobenzene	50.000	49.140	1.7	105	0.00
89	T	n-Butylbenzene	50.000	51.829	-3.7	105	0.00
90	T	Hexachloroethane	50.000	49.116	1.8	105	0.00
91	T	1,2-Dichlorobenzene	50.000	49.698	0.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.687	2.6	107	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.138	-2.3	107	0.00
94	T	Hexachlorobutadiene	50.000	50.061	-0.1	104	0.00
95	T	Naphthalene	50.000	52.154	-4.3	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.172	-2.3	108	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	97	0.00
2	T	Dichlorodifluoromethane	0.360	0.323	10.3	98	0.00
3	P	Chloromethane	0.490	0.515	-5.1	112	0.00
4	C	Vinyl Chloride	0.639	0.632	1.1#	103	0.00
5	T	Bromomethane	0.536	0.524	2.2	109	0.00
6	T	Chloroethane	0.435	0.447	-2.8	105	0.00
7	T	Trichlorofluoromethane	0.887	0.862	2.8	100	0.00
8	T	Diethyl Ether	0.232	0.237	-2.2	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.460	0.448	2.6	100	0.00
10	T	Methyl Iodide	0.512	0.531	-3.7	96	0.00
11	T	Tert butyl alcohol	0.031	0.029	6.5	112	0.00
12	CM	1,1-Dichloroethene	0.446	0.443	0.7#	101	0.00
13	T	Acrolein	0.044	0.043	2.3	101	0.00
14	T	Allyl chloride	0.544	0.551	-1.3	102	0.00
15	T	Acrylonitrile	0.089	0.089	0.0	106	0.00
16	T	Acetone	0.100	0.085	15.0	99	0.00
17	T	Carbon Disulfide	1.277	1.277	0.0	101	0.00
18	T	Methyl Acetate	0.261	0.263	-0.8	104	0.00
19	T	Methyl tert-butyl Ether	1.072	1.120	-4.5	107	0.00
20	T	Methylene Chloride	0.538	0.565	-5.0	120	0.00
21	T	trans-1,2-Dichloroethene	0.491	0.506	-3.1	105	0.00
22	T	Diisopropyl ether	1.202	1.235	-2.7	103	0.00
23	T	Vinyl Acetate	0.651	0.679	-4.3	106	0.00
24	P	1,1-Dichloroethane	0.796	0.808	-1.5	104	0.00
25	T	2-Butanone	0.122	0.113	7.4	105	0.00
26	T	2,2-Dichloropropane	0.731	0.725	0.8	100	0.00
27	T	cis-1,2-Dichloroethene	0.567	0.595	-4.9	107	0.00
28	T	Bromochloromethane	0.297	0.270	9.1	99	0.00
29	T	Tetrahydrofuran	0.069	0.070	-1.4	107	0.00
30	C	Chloroform	0.875	0.895	-2.3#	104	0.00
31	T	Cyclohexane	0.696	0.660	5.2	100	0.00
32	T	1,1,1-Trichloroethane	0.795	0.794	0.1	101	0.00
33	S	1,2-Dichloroethane-d4	0.418	0.414	1.0	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.307	0.302	1.6	101	0.00
36	T	1,1-Dichloropropene	0.407	0.405	0.5	102	0.00
37	T	Ethyl Acetate	0.161	0.160	0.6	107	0.00
38	T	Carbon Tetrachloride	0.493	0.480	2.6	100	0.00
39	T	Methylcyclohexane	0.530	0.529	0.2	101	0.00
40	TM	Benzene	1.288	1.286	0.2	102	0.00
41	T	Methacrylonitrile	0.087	0.084	3.4	105	0.00
42	TM	1,2-Dichloroethane	0.332	0.328	1.2	104	0.00
43	T	Isopropyl Acetate	0.321	0.325	-1.2	108	0.00
44	TM	Trichloroethene	0.377	0.370	1.9	101	0.00
45	C	1,2-Dichloropropane	0.285	0.287	-0.7#	105	0.00
46	T	Dibromomethane	0.180	0.183	-1.7	106	0.00
47	T	Bromodichloromethane	0.453	0.457	-0.9	104	0.00
48	T	Methyl methacrylate	0.151	0.149	1.3	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	110	0.00
50	S	Toluene-d8	1.144	1.126	1.6	100	0.00
51	T	4-Methyl-2-Pentanone	0.166	0.168	-1.2	106	0.00
52	CM	Toluene	0.836	0.862	-3.1#	105	0.00
53	T	t-1,3-Dichloropropene	0.394	0.403	-2.3	105	0.00
54	T	cis-1,3-Dichloropropene	0.465	0.480	-3.2	106	0.00
55	T	1,1,2-Trichloroethane	0.242	0.244	-0.8	106	0.00
56	T	Ethyl methacrylate	0.279	0.298	-6.8	107	0.00
57	T	1,3-Dichloropropane	0.383	0.392	-2.3	105	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.136	-8.8	106	0.00
59	T	2-Hexanone	0.119	0.116	2.5	105	0.00
60	T	Dibromochloromethane	0.339	0.346	-2.1	106	0.00
61	T	1,2-Dibromoethane	0.231	0.234	-1.3	105	0.00
62	S	4-Bromofluorobenzene	0.378	0.377	0.3	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	T	Tetrachloroethene	0.516	0.497	3.7	98	0.00
65	PM	Chlorobenzene	1.087	1.074	1.2	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.384	1.0	106	0.00
67	C	Ethyl Benzene	1.760	1.790	-1.7#	104	0.00
68	T	m/p-Xylenes	0.706	0.718	-1.7	103	0.00
69	T	o-Xylene	0.662	0.683	-3.2	105	0.00
70	T	Styrene	1.089	1.135	-4.2	105	0.00
71	P	Bromoform	0.240	0.241	-0.4	108	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.295	3.316	-0.6	103	0.00
74	T	N-amyl acetate	0.592	0.605	-2.2	108	0.00
75	P	1,1,2,2-Tetrachloroethane	0.539	0.536	0.6	111	0.00
76	T	1,2,3-Trichloropropane	0.441	0.378	14.3	90	0.00
77	T	Bromobenzene	0.876	0.869	0.8	106	0.00
78	T	n-propylbenzene	3.813	3.866	-1.4	103	0.00
79	T	2-Chlorotoluene	2.233	2.235	-0.1	104	0.00
80	T	1,3,5-Trimethylbenzene	2.663	2.728	-2.4	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.180	0.168	6.7	103	0.00
82	T	4-Chlorotoluene	2.300	2.321	-0.9	105	0.00
83	T	tert-Butylbenzene	2.458	2.558	-4.1	105	0.00
84	T	1,2,4-Trimethylbenzene	2.657	2.738	-3.0	105	0.00
85	T	sec-Butylbenzene	3.527	3.586	-1.7	104	0.00
86	T	p-Isopropyltoluene	3.003	3.115	-3.7	104	0.00
87	T	1,3-Dichlorobenzene	1.706	1.693	0.8	106	0.00
88	T	1,4-Dichlorobenzene	1.685	1.656	1.7	105	0.00
89	T	n-Butylbenzene	2.616	2.712	-3.7	105	0.00
90	T	Hexachloroethane	0.646	0.634	1.9	105	0.00
91	T	1,2-Dichlorobenzene	1.496	1.487	0.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.088	0.086	2.3	107	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.954	-2.4	107	0.00
94	T	Hexachlorobutadiene	0.581	0.582	-0.2	104	0.00
95	T	Naphthalene	1.485	1.549	-4.3	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	0.808	0.827	-2.4	108	0.00

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

Raw Data: **VY023585.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: HDRI08
Lab Code: ACE
SDG No.: Q3466
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/27/2025 09:12
Lab File ID: VY023585.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.324		-10	20
Chloromethane	0.490	0.433	0.1	-11.63	20
Vinyl Chloride	0.639	0.590		-7.67	20
Bromomethane	0.536	0.482		-10.07	20
Chloroethane	0.435	0.424		-2.53	20
Trichlorofluoromethane	0.887	0.907		2.26	20
1,1,2-Trichlorotrifluoroethane	0.460	0.503		9.35	20
1,1-Dichloroethene	0.446	0.469		5.16	20
Acetone	0.100	0.113		13	20
Carbon Disulfide	1.277	1.229		-3.76	20
Methyl tert-butyl Ether	1.072	1.160		8.21	20
Methyl Acetate	0.261	0.316		21.07	20
Methylene Chloride	0.538	0.510		-5.2	20
trans-1,2-Dichloroethene	0.491	0.531		8.15	20
1,1-Dichloroethane	0.796	0.858	0.1	7.79	20
Cyclohexane	0.696	0.690		-0.86	20
2-Butanone	0.122	0.129		5.74	20
Carbon Tetrachloride	0.493	0.570		15.62	20
cis-1,2-Dichloroethene	0.567	0.628		10.76	20
Bromochloromethane	0.297	0.271		-8.75	20
Chloroform	0.875	0.975		11.43	20
1,1,1-Trichloroethane	0.795	0.883		11.07	20
Methylcyclohexane	0.530	0.598		12.83	20
Benzene	1.288	1.460		13.35	20
1,2-Dichloroethane	0.332	0.366		10.24	20
Trichloroethene	0.377	0.435		15.39	20
1,2-Dichloropropane	0.285	0.321		12.63	20
Bromodichloromethane	0.453	0.521		15.01	20
4-Methyl-2-Pentanone	0.166	0.190		14.46	20
Toluene	0.836	0.978		16.99	20
t-1,3-Dichloropropene	0.394	0.447		13.45	20
cis-1,3-Dichloropropene	0.465	0.526		13.12	20
1,1,2-Trichloroethane	0.242	0.281		16.12	20
2-Hexanone	0.119	0.137		15.13	20
Dibromochloromethane	0.339	0.390		15.04	20
1,2-Dibromoethane	0.231	0.264		14.29	20
Tetrachloroethene	0.516	0.614		18.99	20
Chlorobenzene	1.087	1.243	0.3	14.35	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: **VY023585.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG No.: Q3466
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/27/2025 09:12
Lab File ID: VY023585.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	2.077		18.01	20
m/p-Xylenes	0.706	0.830		17.56	20
o-Xylene	0.662	0.788		19.03	20
Styrene	1.089	1.297		19.1	20
Bromoform	0.240	0.279	0.1	16.25	20
Isopropylbenzene	3.295	3.956		20.06	20
1,1,2,2-Tetrachloroethane	0.539	0.604	0.3	12.06	20
1,3-Dichlorobenzene	1.706	1.961		14.95	20
1,4-Dichlorobenzene	1.685	1.898		12.64	20
1,2-Dichlorobenzene	1.496	1.710		14.31	20
1,2-Dibromo-3-Chloropropane	0.088	0.096		9.09	20
1,2,4-Trichlorobenzene	0.932	1.068		14.59	20
1,2,3-Trichlorobenzene	0.808	0.927		14.73	20
1,2-Dichloroethane-d4	0.418	0.400		-4.31	20
Dibromofluoromethane	0.307	0.319		3.91	20
Toluene-d8	1.144	1.166		1.92	20
4-Bromofluorobenzene	0.378	0.391		3.44	20

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

Sample Results: **VY023585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023585.D
Acq On : 27 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 04:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	515413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	730664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	639546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	333946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	206149	47.831	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.660%			
35) Dibromofluoromethane	7.634	113	233124	51.926	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.860%			
50) Toluene-d8	10.109	98	852236	50.972	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.940%			
62) 4-Bromofluorobenzene	12.408	95	285676	51.753	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	167123	45.048	ug/l	98
3) Chloromethane	2.074	50	223012	44.127	ug/l	98
4) Vinyl Chloride	2.208	62	303976	46.179	ug/l	98
5) Bromomethane	2.598	94	248462	44.978	ug/l	100
6) Chloroethane	2.739	64	218610	48.721	ug/l	99
7) Trichlorofluoromethane	3.056	101	467493	51.149	ug/l	99
8) Diethyl Ether	3.458	74	120744	50.557	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	259135	54.638	ug/l	98
10) Methyl Iodide	4.007	142	305835	57.924	ug/l	99
11) Tert butyl alcohol	4.854	59	86478	269.708	ug/l	100
12) 1,1-Dichloroethene	3.793	96	241499	52.527	ug/l	99
13) Acrolein	3.653	56	26613	58.740	ug/l	95
14) Allyl chloride	4.391	41	286996	51.220	ug/l	97
15) Acrylonitrile	5.061	53	246190	269.361	ug/l	100
16) Acetone	3.866	43	290603	283.221	ug/l	97
17) Carbon Disulfide	4.110	76	633327	48.129	ug/l	100
18) Methyl Acetate	4.385	43	163000	60.559	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	597929	54.111	ug/l	96
20) Methylene Chloride	4.616	84	262887	47.381	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	273508	54.033	ug/l	97
22) Diisopropyl ether	6.018	45	674214	54.398	ug/l	98
23) Vinyl Acetate	5.964	43	1734721	258.580	ug/l	98
24) 1,1-Dichloroethane	5.915	63	442464	53.894	ug/l	100
25) 2-Butanone	6.896	43	333066	265.886	ug/l	100
26) 2,2-Dichloropropane	6.890	77	418737	55.584	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	323783	55.376	ug/l	97
28) Bromochloromethane	7.250	49	139790	45.610	ug/l	99
29) Tetrahydrofuran	7.262	42	186366	262.359	ug/l	98
30) Chloroform	7.421	83	502743	55.735	ug/l	97
31) Cyclohexane	7.707	56	355876	49.636	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	455150	55.525	ug/l	99
36) 1,1-Dichloropropene	7.835	75	338063	56.877	ug/l	100
37) Ethyl Acetate	6.988	43	124534	52.886	ug/l	98
38) Carbon Tetrachloride	7.817	117	416383	57.774	ug/l	100
39) Methylcyclohexane	9.109	83	437177	56.491	ug/l	98
40) Benzene	8.079	78	1066732	56.671	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023585.D
Acq On : 27 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 04:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	63373	49.761	ug/l		89
42) 1,2-Dichloroethane	8.158	62	267189	55.039	ug/l		99
43) Isopropyl Acetate	8.201	43	246759	52.553	ug/l		99
44) Trichloroethene	8.866	130	317556	57.639	ug/l		99
45) 1,2-Dichloropropane	9.140	63	234660	56.441	ug/l		98
46) Dibromomethane	9.231	93	149232	56.764	ug/l		99
47) Bromodichloromethane	9.426	83	380376	57.448	ug/l		99
48) Methyl methacrylate	9.219	41	120608	54.676	ug/l		96
49) 1,4-Dioxane	9.225	88	33318	1093.067	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	693430	285.838	ug/l		100
52) Toluene	10.170	92	714574	58.468	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	326502	56.711	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	384084	56.525	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	205670	58.176	ug/l		96
56) Ethyl methacrylate	10.438	69	235051	57.638	ug/l		98
57) 1,3-Dichloropropane	10.719	76	319002	56.943	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	488651	267.481	ug/l		100
59) 2-Hexanone	10.762	43	501068	289.017	ug/l		99
60) Dibromochloromethane	10.914	129	284770	57.453	ug/l		100
61) 1,2-Dibromoethane	11.018	107	192658	57.141	ug/l		100
64) Tetrachloroethene	10.646	164	392401	59.423	ug/l		98
65) Chlorobenzene	11.444	112	794901	57.147	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	287579	58.017	ug/l		99
67) Ethyl Benzene	11.517	91	1328243	58.992	ug/l		100
68) m/p-Xylenes	11.627	106	1062203	117.617	ug/l		98
69) o-Xylene	11.956	106	504058	59.505	ug/l		99
70) Styrene	11.969	104	829248	59.530	ug/l		100
71) Bromoform	12.133	173	178286	57.985	ug/l	#	99
73) Isopropylbenzene	12.255	105	1321102	60.030	ug/l		100
74) N-amyl acetate	12.072	43	210224	53.183	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	201683	56.031	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	155622m	52.820	ug/l		
77) Bromobenzene	12.529	156	334432	57.161	ug/l		100
78) n-propylbenzene	12.597	91	1543490	60.607	ug/l		100
79) 2-Chlorotoluene	12.682	91	871548	58.440	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1066337	59.962	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	68757	57.226	ug/l		99
82) 4-Chlorotoluene	12.779	91	898808	58.520	ug/l		99
83) tert-Butylbenzene	12.999	119	990494	60.323	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1070654	60.325	ug/l		99
85) sec-Butylbenzene	13.176	105	1431373	60.770	ug/l		100
86) p-Isopropyltoluene	13.292	119	1221223	60.896	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	654869	57.479	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	633908	56.336	ug/l		99
89) n-Butylbenzene	13.615	91	1066244	61.019	ug/l		100
90) Hexachloroethane	13.877	117	247243	57.321	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	571194	57.184	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31912	54.033	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	356700	57.281	ug/l		100
94) Hexachlorobutadiene	15.023	225	230157	59.292	ug/l		99
95) Naphthalene	15.145	128	566665	57.146	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	309519	57.384	ug/l		99

Sample Results: **VY023585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023585.D
Acq On : 27 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Quant Time: Oct 28 04:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

Sample Results: **VY023585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023585.D
Acq On : 27 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 04:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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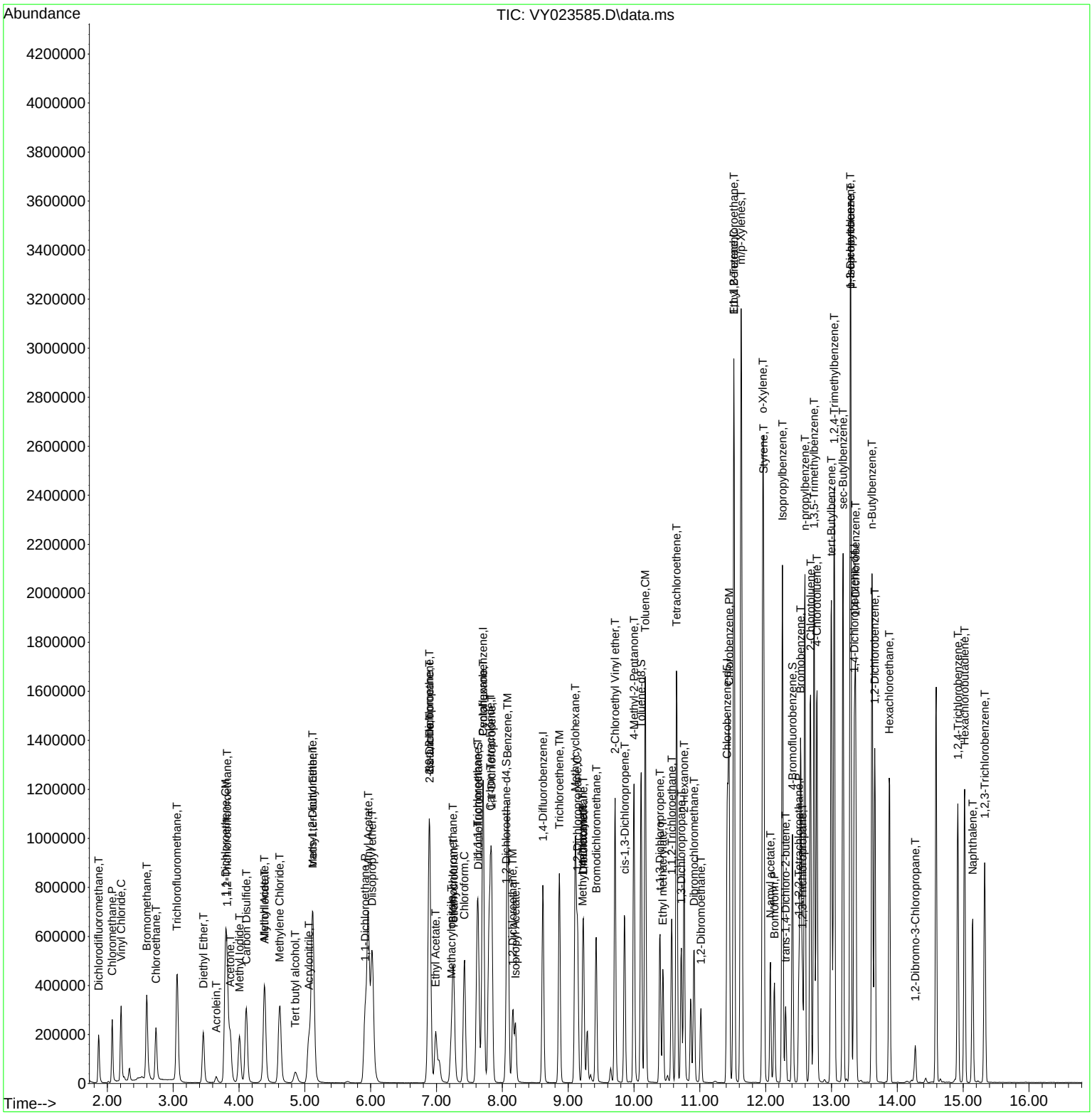


Sample Results: **VY023585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023585.D
Acq On : 27 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 04:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	87	0.00
2	T	Dichlorodifluoromethane	0.360	0.324	10.0	88	0.00
3	P	Chloromethane	0.490	0.433	11.6	84	0.00
4	C	Vinyl Chloride	0.639	0.590	7.7#	86	0.00
5	T	Bromomethane	0.536	0.482	10.1	90	0.00
6	T	Chloroethane	0.435	0.424	2.5	89	0.00
7	T	Trichlorofluoromethane	0.887	0.907	-2.3	94	0.00
8	T	Diethyl Ether	0.232	0.234	-0.9	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.460	0.503	-9.3	100	0.00
10	T	Methyl Iodide	0.512	0.593	-15.8	96	0.00
11	T	Tert butyl alcohol	0.031	0.034	-9.7	117	0.00
12	CM	1,1-Dichloroethene	0.446	0.469	-5.2#	96	0.00
13	T	Acrolein	0.044	0.010	77.3#	22#	0.00
14	T	Allyl chloride	0.544	0.557	-2.4	92	0.01
15	T	Acrylonitrile	0.089	0.096	-7.9	102	0.00
16	T	Acetone	0.100	0.113	-13.0	118	0.00
17	T	Carbon Disulfide	1.277	1.229	3.8	88	0.00
18	T	Methyl Acetate	0.261	0.316	-21.1	113	0.00
19	T	Methyl tert-butyl Ether	1.072	1.160	-8.2	99	0.00
20	T	Methylene Chloride	0.538	0.510	5.2	97	0.00
21	T	trans-1,2-Dichloroethene	0.491	0.531	-8.1	99	0.00
22	T	Diisopropyl ether	1.202	1.308	-8.8	98	0.00
23	T	Vinyl Acetate	0.651	0.673	-3.4	94	0.00
24	P	1,1-Dichloroethane	0.796	0.858	-7.8	99	0.00
25	T	2-Butanone	0.122	0.129	-5.7	107	0.00
26	T	2,2-Dichloropropane	0.731	0.812	-11.1	101	0.00
27	T	cis-1,2-Dichloroethene	0.567	0.628	-10.8	101	0.00
28	T	Bromochloromethane	0.297	0.271	8.8	89	0.00
29	T	Tetrahydrofuran	0.069	0.072	-4.3	99	0.00
30	C	Chloroform	0.875	0.975	-11.4#	102	0.00
31	T	Cyclohexane	0.696	0.690	0.9	94	0.00
32	T	1,1,1-Trichloroethane	0.795	0.883	-11.1	101	0.00
33	S	1,2-Dichloroethane-d4	0.418	0.400	4.3	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35	S	Dibromofluoromethane	0.307	0.319	-3.9	91	0.00
36	T	1,1-Dichloropropene	0.407	0.463	-13.8	99	0.00
37	T	Ethyl Acetate	0.161	0.170	-5.6	96	0.00
38	T	Carbon Tetrachloride	0.493	0.570	-15.6	101	0.00
39	T	Methylcyclohexane	0.530	0.598	-12.8	97	0.00
40	TM	Benzene	1.288	1.460	-13.4	99	0.00
41	T	Methacrylonitrile	0.087	0.087	0.0	92	0.00
42	TM	1,2-Dichloroethane	0.332	0.366	-10.2	99	0.00
43	T	Isopropyl Acetate	0.321	0.338	-5.3	95	0.00
44	TM	Trichloroethene	0.377	0.435	-15.4	101	0.00
45	C	1,2-Dichloropropane	0.285	0.321	-12.6#	100	0.00
46	T	Dibromomethane	0.180	0.204	-13.3	100	0.00
47	T	Bromodichloromethane	0.453	0.521	-15.0	101	0.00
48	T	Methyl methacrylate	0.151	0.165	-9.3	95	0.00

Sample Results: **VY023585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023585.D
Acq On : 27 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 04:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	98	0.00
50	S	Toluene-d8	1.144	1.166	-1.9	88	0.00
51	T	4-Methyl-2-Pentanone	0.166	0.190	-14.5	102	0.00
52	CM	Toluene	0.836	0.978	-17.0#	101	0.00
53	T	t-1,3-Dichloropropene	0.394	0.447	-13.5	99	0.00
54	T	cis-1,3-Dichloropropene	0.465	0.526	-13.1	98	0.00
55	T	1,1,2-Trichloroethane	0.242	0.281	-16.1	104	0.00
56	T	Ethyl methacrylate	0.279	0.322	-15.4	98	0.00
57	T	1,3-Dichloropropane	0.383	0.437	-14.1	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.134	-7.2	88	0.00
59	T	2-Hexanone	0.119	0.137	-15.1	104	0.00
60	T	Dibromochloromethane	0.339	0.390	-15.0	101	0.00
61	T	1,2-Dibromoethane	0.231	0.264	-14.3	101	0.00
62	S	4-Bromofluorobenzene	0.378	0.391	-3.4	91	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64	T	Tetrachloroethene	0.516	0.614	-19.0	100	0.00
65	PM	Chlorobenzene	1.087	1.243	-14.4	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.450	-16.0	103	0.00
67	C	Ethyl Benzene	1.760	2.077	-18.0#	100	0.00
68	T	m/p-Xylenes	0.706	0.830	-17.6	99	0.00
69	T	o-Xylene	0.662	0.788	-19.0	100	0.00
70	T	Styrene	1.089	1.297	-19.1	100	0.00
71	P	Bromoform	0.240	0.279	-16.3	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
73	T	Isopropylbenzene	3.295	3.956	-20.1	102	0.00
74	T	N-amyl acetate	0.592	0.630	-6.4	92	0.00
75	P	1,1,2,2-Tetrachloroethane	0.539	0.604	-12.1	103	0.00
76	T	1,2,3-Trichloropropane	0.441	0.466	-5.7	92	0.00
77	T	Bromobenzene	0.876	1.001	-14.3	101	0.00
78	T	n-propylbenzene	3.813	4.622	-21.2	101	0.00
79	T	2-Chlorotoluene	2.233	2.610	-16.9	100	0.00
80	T	1,3,5-Trimethylbenzene	2.663	3.193	-19.9	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.180	0.206	-14.4	104	0.00
82	T	4-Chlorotoluene	2.300	2.691	-17.0	101	0.00
83	T	tert-Butylbenzene	2.458	2.966	-20.7	100	0.00
84	T	1,2,4-Trimethylbenzene	2.657	3.206	-20.7	101	0.00
85	T	sec-Butylbenzene	3.527	4.286	-21.5	102	0.00
86	T	p-Isopropyltoluene	3.003	3.657	-21.8	101	0.00
87	T	1,3-Dichlorobenzene	1.706	1.961	-14.9	101	0.00
88	T	1,4-Dichlorobenzene	1.685	1.898	-12.6	100	0.00
89	T	n-Butylbenzene	2.616	3.193	-22.1	101	0.00
90	T	Hexachloroethane	0.646	0.740	-14.6	101	0.00
91	T	1,2-Dichlorobenzene	1.496	1.710	-14.3	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.088	0.096	-9.1	98	0.00
93	T	1,2,4-Trichlorobenzene	0.932	1.068	-14.6	99	0.00
94	T	Hexachlorobutadiene	0.581	0.689	-18.6	102	0.00
95	T	Naphthalene	1.485	1.697	-14.3	99	0.00

Sample Results: **VY023585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023585.D
Acq On : 27 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 04:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	0.808	0.927	-14.7	100	0.00

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

Sample Results: **VY023585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023585.D
Acq On : 27 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 04:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	87	0.00
2	T	Dichlorodifluoromethane	50.000	45.048	9.9	88	0.00
3	P	Chloromethane	50.000	44.127	11.7	84	0.00
4	C	Vinyl Chloride	50.000	46.179	7.6#	86	0.00
5	T	Bromomethane	50.000	44.978	10.0	90	0.00
6	T	Chloroethane	50.000	48.721	2.6	89	0.00
7	T	Trichlorofluoromethane	50.000	51.149	-2.3	94	0.00
8	T	Diethyl Ether	50.000	50.557	-1.1	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.638	-9.3	100	0.00
10	T	Methyl Iodide	50.000	57.924	-15.8	96	0.00
11	T	Tert butyl alcohol	250.000	269.708	-7.9	117	0.00
12	CM	1,1-Dichloroethene	50.000	52.527	-5.1#	96	0.00
13	T	Acrolein	250.000	58.740	76.5#	22	0.00
14	T	Allyl chloride	50.000	51.220	-2.4	92	0.01
15	T	Acrylonitrile	250.000	269.361	-7.7	102	0.00
16	T	Acetone	250.000	283.221	-13.3	118	0.00
17	T	Carbon Disulfide	50.000	48.129	3.7	88	0.00
18	T	Methyl Acetate	50.000	60.559	-21.1	113	0.00
19	T	Methyl tert-butyl Ether	50.000	54.111	-8.2	99	0.00
20	T	Methylene Chloride	50.000	47.381	5.2	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.033	-8.1	99	0.00
22	T	Diisopropyl ether	50.000	54.398	-8.8	98	0.00
23	T	Vinyl Acetate	250.000	258.580	-3.4	94	0.00
24	P	1,1-Dichloroethane	50.000	53.894	-7.8	99	0.00
25	T	2-Butanone	250.000	265.886	-6.4	107	0.00
26	T	2,2-Dichloropropane	50.000	55.584	-11.2	101	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.376	-10.8	101	0.00
28	T	Bromochloromethane	50.000	45.610	8.8	89	0.00
29	T	Tetrahydrofuran	250.000	262.359	-4.9	99	0.00
30	C	Chloroform	50.000	55.735	-11.5#	102	0.00
31	T	Cyclohexane	50.000	49.636	0.7	94	0.00
32	T	1,1,1-Trichloroethane	50.000	55.525	-11.0	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.831	4.3	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35	S	Dibromofluoromethane	50.000	51.926	-3.9	91	0.00
36	T	1,1-Dichloropropene	50.000	56.877	-13.8	99	0.00
37	T	Ethyl Acetate	50.000	52.886	-5.8	96	0.00
38	T	Carbon Tetrachloride	50.000	57.774	-15.5	101	0.00
39	T	Methylcyclohexane	50.000	56.491	-13.0	97	0.00
40	TM	Benzene	50.000	56.671	-13.3	99	0.00
41	T	Methacrylonitrile	50.000	49.761	0.5	92	0.00
42	TM	1,2-Dichloroethane	50.000	55.039	-10.1	99	0.00
43	T	Isopropyl Acetate	50.000	52.553	-5.1	95	0.00
44	TM	Trichloroethene	50.000	57.639	-15.3	101	0.00
45	C	1,2-Dichloropropane	50.000	56.441	-12.9#	100	0.00
46	T	Dibromomethane	50.000	56.764	-13.5	100	0.00
47	T	Bromodichloromethane	50.000	57.448	-14.9	101	0.00
48	T	Methyl methacrylate	50.000	54.676	-9.4	95	0.00

Sample Results: **VY023585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023585.D
Acq On : 27 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 04:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	1093.067	-9.3	98	0.00
50	S	Toluene-d8	50.000	50.972	-1.9	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	285.838	-14.3	102	0.00
52	CM	Toluene	50.000	58.468	-16.9#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	56.711	-13.4	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.525	-13.0	98	0.00
55	T	1,1,2-Trichloroethane	50.000	58.176	-16.4	104	0.00
56	T	Ethyl methacrylate	50.000	57.638	-15.3	98	0.00
57	T	1,3-Dichloropropane	50.000	56.943	-13.9	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	267.481	-7.0	88	0.00
59	T	2-Hexanone	250.000	289.017	-15.6	104	0.00
60	T	Dibromochloromethane	50.000	57.453	-14.9	101	0.00
61	T	1,2-Dibromoethane	50.000	57.141	-14.3	101	0.00
62	S	4-Bromofluorobenzene	50.000	51.753	-3.5	91	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64	T	Tetrachloroethene	50.000	59.423	-18.8	100	0.00
65	PM	Chlorobenzene	50.000	57.147	-14.3	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	58.017	-16.0	103	0.00
67	C	Ethyl Benzene	50.000	58.992	-18.0#	100	0.00
68	T	m/p-Xylenes	100.000	117.617	-17.6	99	0.00
69	T	o-Xylene	50.000	59.505	-19.0	100	0.00
70	T	Styrene	50.000	59.530	-19.1	100	0.00
71	P	Bromoform	50.000	57.985	-16.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	85	0.00
73	T	Isopropylbenzene	50.000	60.030	-20.1	102	0.00
74	T	N-amyl acetate	50.000	53.183	-6.4	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	56.031	-12.1	103	0.00
76	T	1,2,3-Trichloropropane	50.000	52.820	-5.6	92	0.00
77	T	Bromobenzene	50.000	57.161	-14.3	101	0.00
78	T	n-propylbenzene	50.000	60.607	-21.2	101	0.00
79	T	2-Chlorotoluene	50.000	58.440	-16.9	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	59.962	-19.9	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.226	-14.5	104	0.00
82	T	4-Chlorotoluene	50.000	58.520	-17.0	101	0.00
83	T	tert-Butylbenzene	50.000	60.323	-20.6	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	60.325	-20.7	101	0.00
85	T	sec-Butylbenzene	50.000	60.770	-21.5	102	0.00
86	T	p-Isopropyltoluene	50.000	60.896	-21.8	101	0.00
87	T	1,3-Dichlorobenzene	50.000	57.479	-15.0	101	0.00
88	T	1,4-Dichlorobenzene	50.000	56.336	-12.7	100	0.00
89	T	n-Butylbenzene	50.000	61.019	-22.0	101	0.00
90	T	Hexachloroethane	50.000	57.321	-14.6	101	0.00
91	T	1,2-Dichlorobenzene	50.000	57.184	-14.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.033	-8.1	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	57.281	-14.6	99	0.00
94	T	Hexachlorobutadiene	50.000	59.292	-18.6	102	0.00
95	T	Naphthalene	50.000	57.146	-14.3	99	0.00

Sample Results: **VY023585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023585.D
Acq On : 27 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 04:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	57.384	-14.8	100	0.00

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

QC SAMPLE DATA

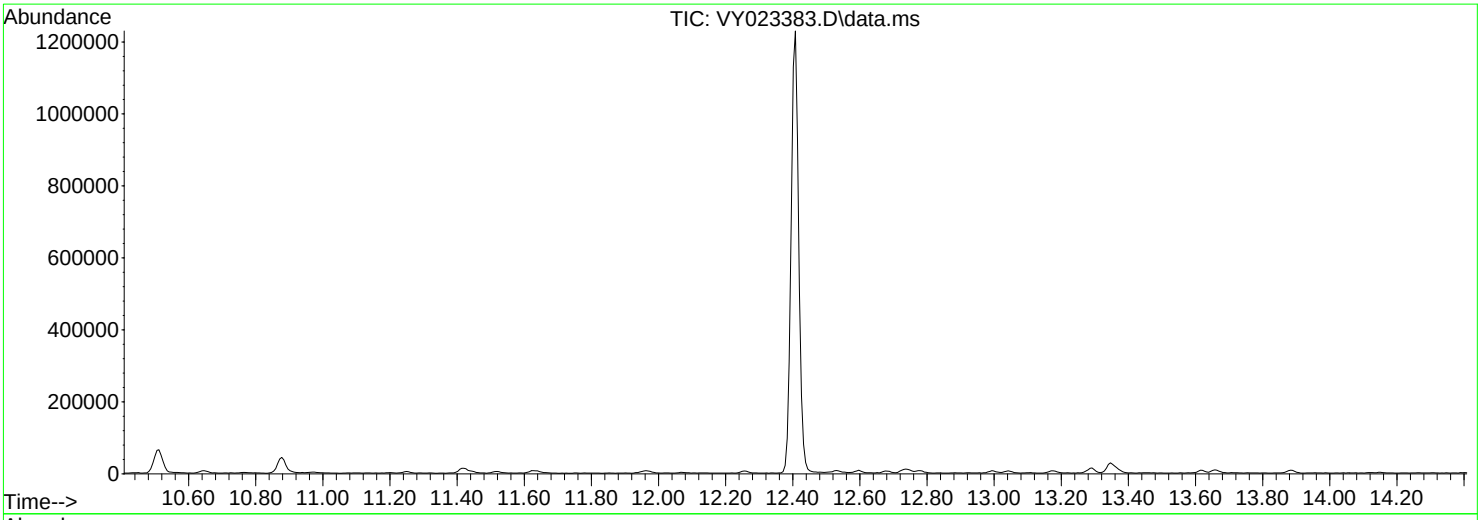
Sample Results: **VY023383.D**

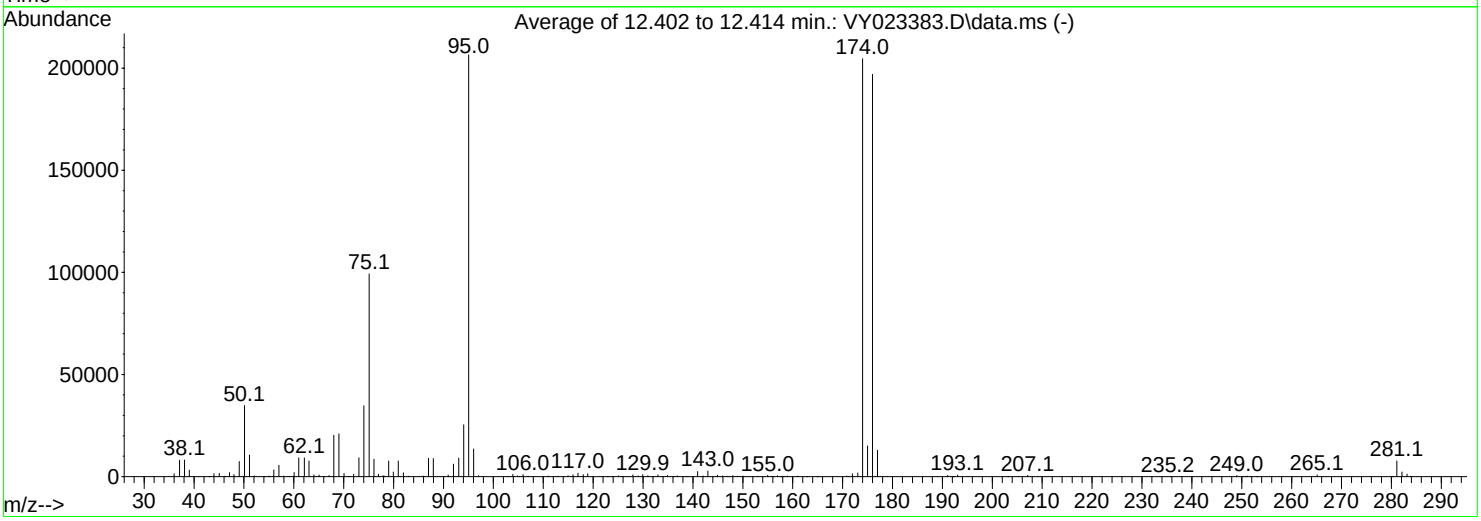
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023383.D
Acq On : 07 Oct 2025 08:43
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	34816	PASS
75	95	30	60	48.1	99264	PASS
95	95	100	100	100.0	206507	PASS
96	95	5	9	6.6	13540	PASS
173	174	0.00	2	0.9	1817	PASS
174	95	50	100	99.1	204629	PASS
175	174	5	9	7.4	15059	PASS
176	174	95	101	96.2	196949	PASS
177	176	5	9	6.6	12912	PASS

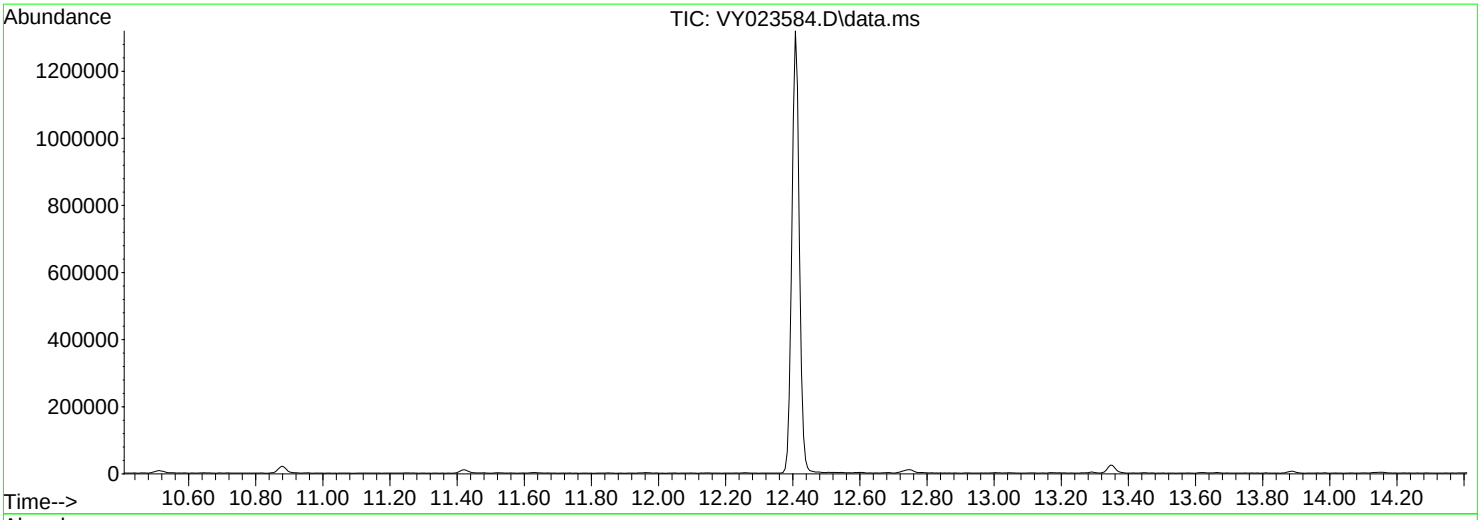
Sample Results: **VY023584.D**

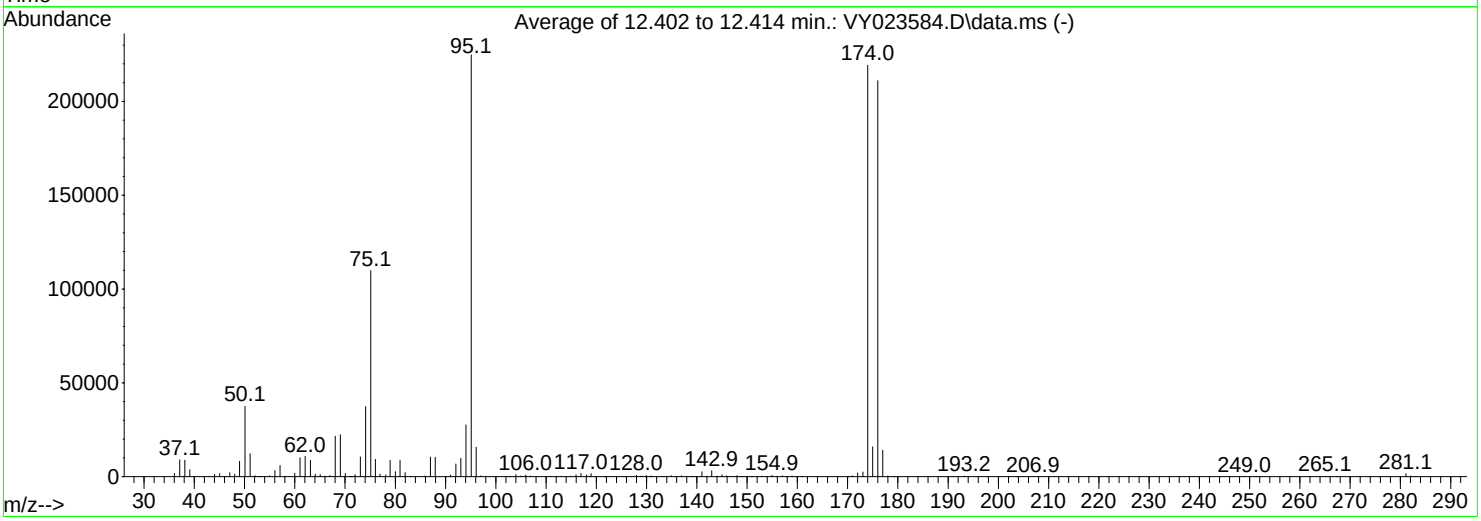
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023584.D
Acq On : 27 Oct 2025 08:37
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	37477	PASS
75	95	30	60	48.8	109755	PASS
95	95	100	100	100.0	224832	PASS
96	95	5	9	7.0	15698	PASS
173	174	0.00	2	1.1	2507	PASS
174	95	50	100	97.5	219264	PASS
175	174	5	9	7.3	15911	PASS
176	174	95	101	96.3	211115	PASS
177	176	5	9	6.7	14098	PASS

Raw Data: **VY023586.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	VY1027SBL01	SDG No.:	Q3466
Lab Sample ID:	VY1027SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	10/27/25 09:47	VY102725
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	10/27/25 09:47	VY102725
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	10/27/25 09:47	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	10/27/25 09:47	VY102725
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	10/27/25 09:47	VY102725
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	10/27/25 09:47	VY102725
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	10/27/25 09:47	VY102725
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	10/27/25 09:47	VY102725
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	10/27/25 09:47	VY102725
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	10/27/25 09:47	VY102725
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	10/27/25 09:47	VY102725
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	10/27/25 09:47	VY102725
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	10/27/25 09:47	VY102725
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	10/27/25 09:47	VY102725
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	10/27/25 09:47	VY102725
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	10/27/25 09:47	VY102725
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	10/27/25 09:47	VY102725
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	10/27/25 09:47	VY102725
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	10/27/25 09:47	VY102725
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	10/27/25 09:47	VY102725
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	10/27/25 09:47	VY102725
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	10/27/25 09:47	VY102725
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	10/27/25 09:47	VY102725
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	10/27/25 09:47	VY102725
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	10/27/25 09:47	VY102725
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	10/27/25 09:47	VY102725
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	10/27/25 09:47	VY102725
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	10/27/25 09:47	VY102725
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	10/27/25 09:47	VY102725
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	10/27/25 09:47	VY102725
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	10/27/25 09:47	VY102725
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	10/27/25 09:47	VY102725
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	10/27/25 09:47	VY102725
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	10/27/25 09:47	VY102725
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	10/27/25 09:47	VY102725
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	10/27/25 09:47	VY102725
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	10/27/25 09:47	VY102725

Raw Data: **VY023586.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	VY1027SBL01	SDG No.:	Q3466
Lab Sample ID:	VY1027SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	10/27/25 09:47	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	10/27/25 09:47	VY102725
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	10/27/25 09:47	VY102725
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	10/27/25 09:47	VY102725
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	10/27/25 09:47	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	10/27/25 09:47	VY102725
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	10/27/25 09:47	VY102725
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	10/27/25 09:47	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.7			70 (63) - 130 (155)	97%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.6			70 (70) - 130 (134)	99%	SPK: 50		
2037-26-5	Toluene-d8	48.5			70 (74) - 130 (123)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	39.7			70 (17) - 130 (146)	79%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	819000							
540-36-3	1,4-Difluorobenzene	1320000							
3114-55-4	Chlorobenzene-d5	1080000							
3855-82-1	1,4-Dichlorobenzene-d4	410000							

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Quant Time: Oct 28 04:35:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

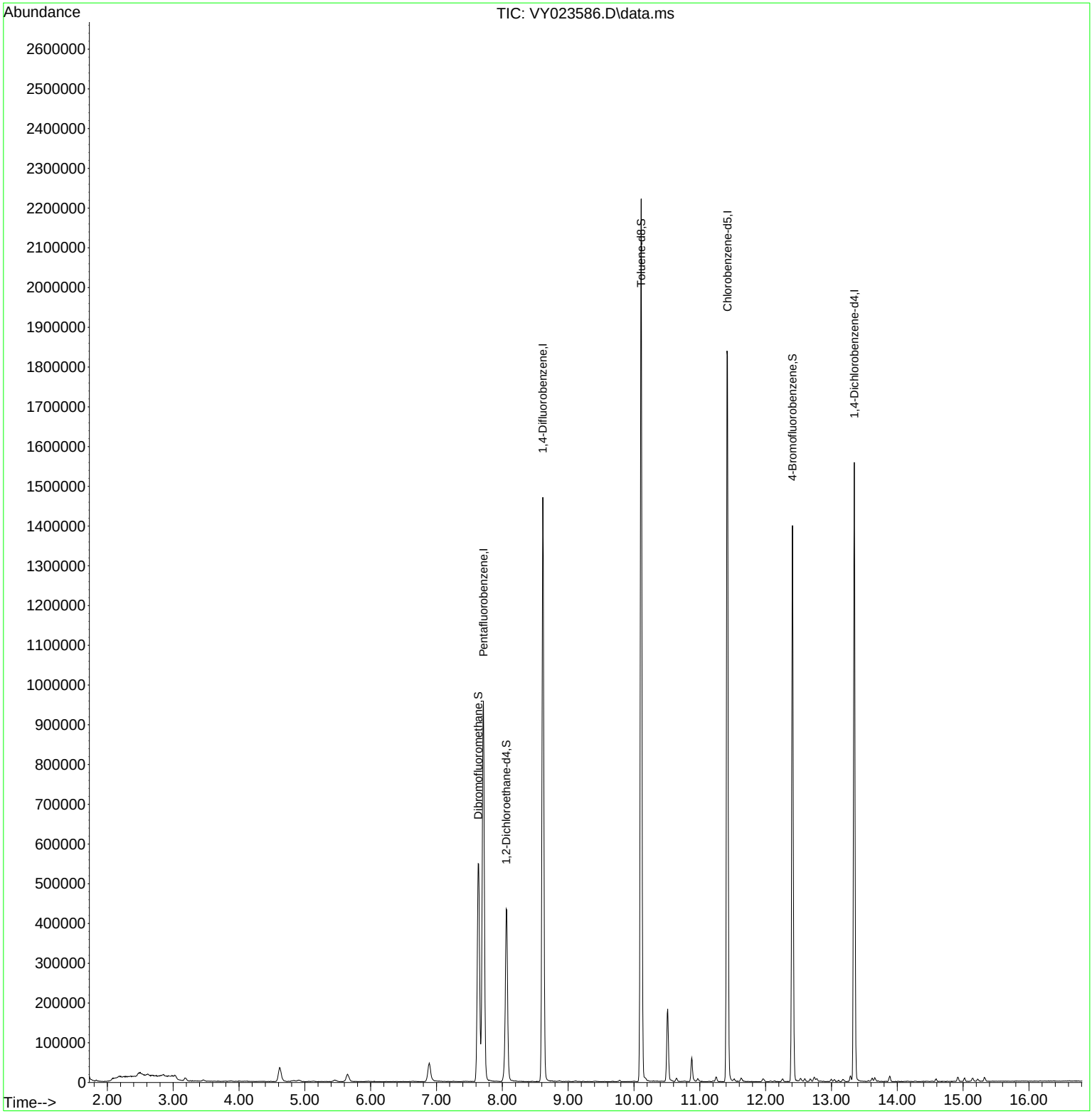
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	818713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1317250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1075350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	410194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	333438	48.704	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.400%			
35) Dibromofluoromethane	7.634	113	401609	49.619	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.240%			
50) Toluene-d8	10.109	98	1460587	48.456	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.920%			
62) 4-Bromofluorobenzene	12.408	95	395111	39.704	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.400%			
Target Compounds						Qvalue

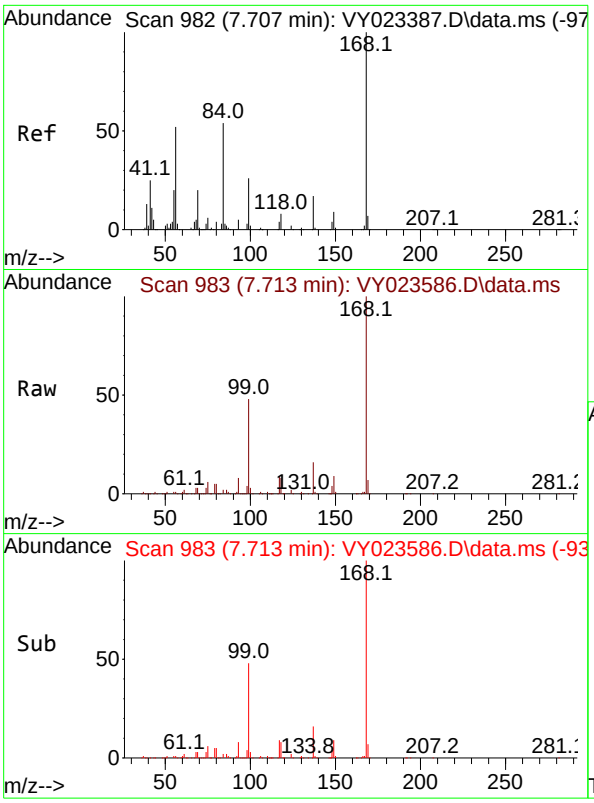
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Quant Time: Oct 28 04:35:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



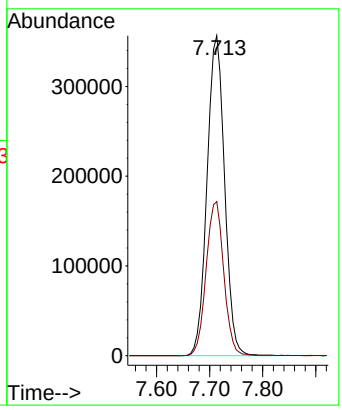


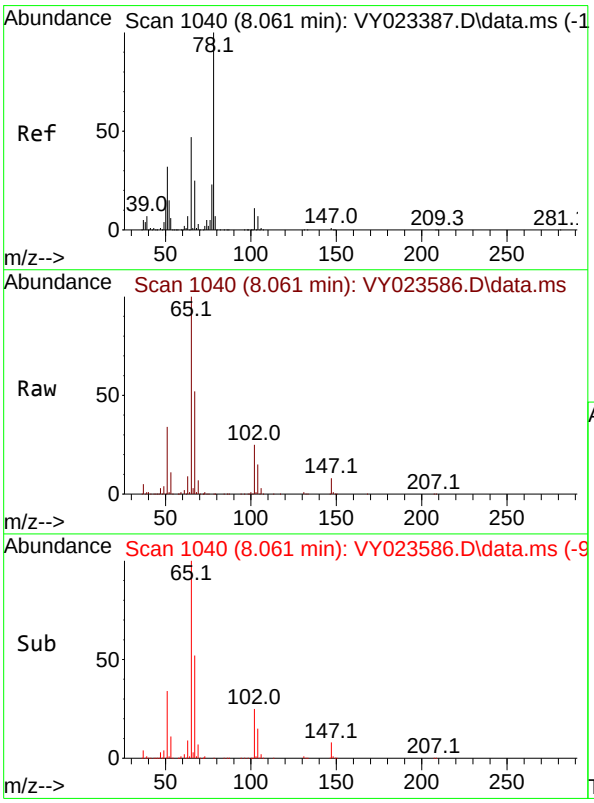
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Tgt Ion:168 Resp: 818713

Ion	Ratio	Lower	Upper
168	100		
99	48.2	39.7	59.5

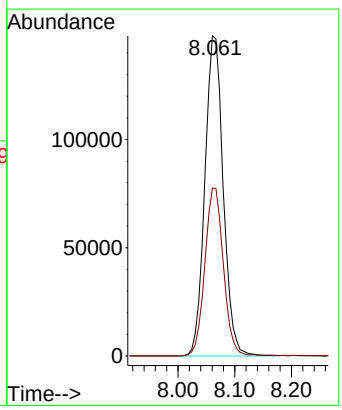


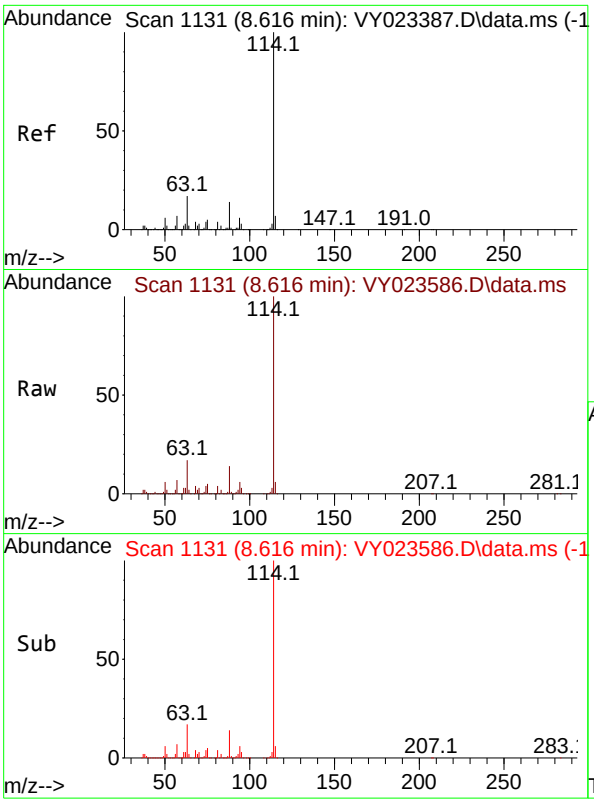


#33
1,2-Dichloroethane-d4
Concen: 48.704 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion: 65 Resp: 333438

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8



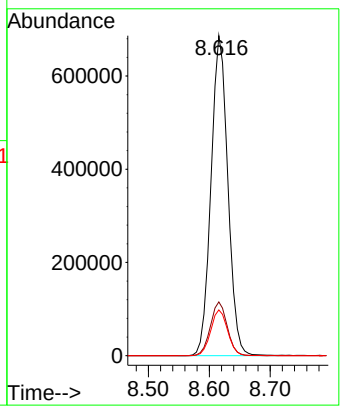


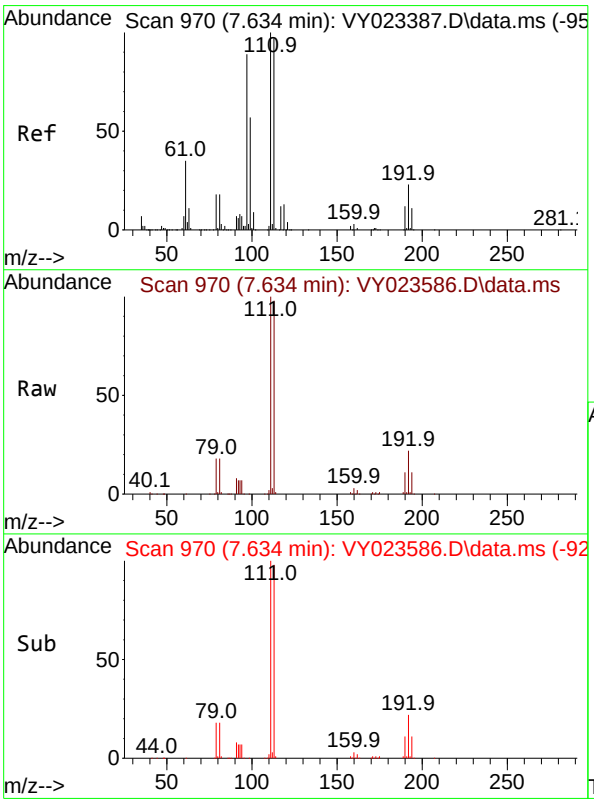
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Tgt Ion:114 Resp: 1317250

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	34.2
88	14.3	0.0	28.4

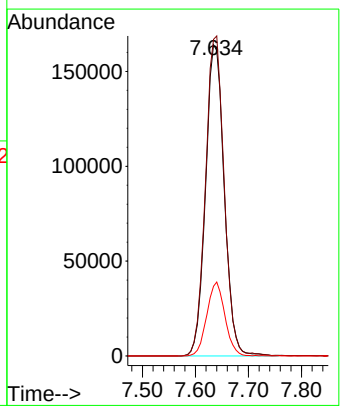


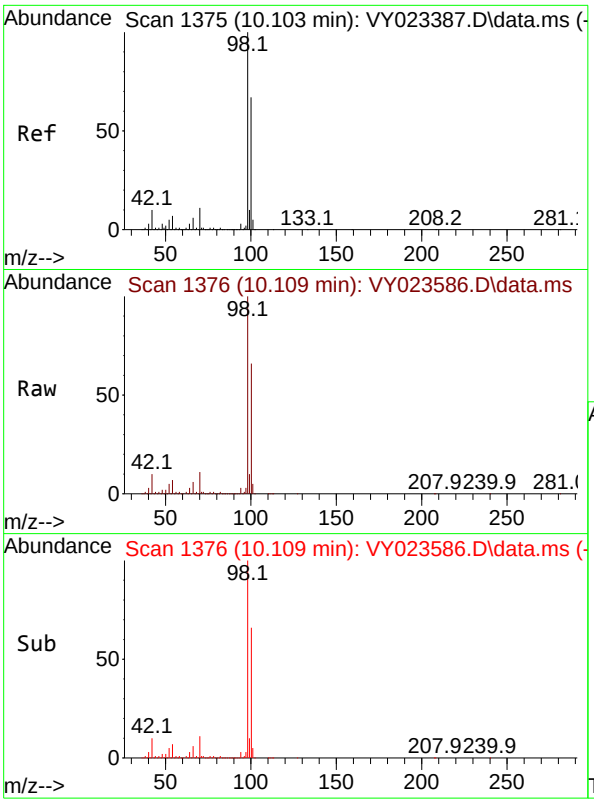


#35
Dibromofluoromethane
Concen: 49.619 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion:113 Resp: 401609

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	23.1	18.0	27.0



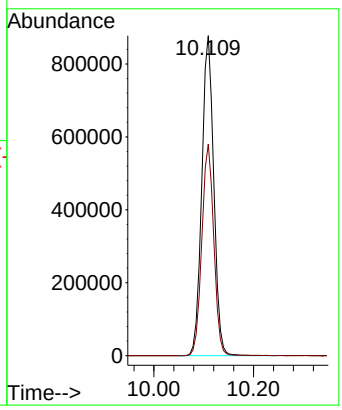


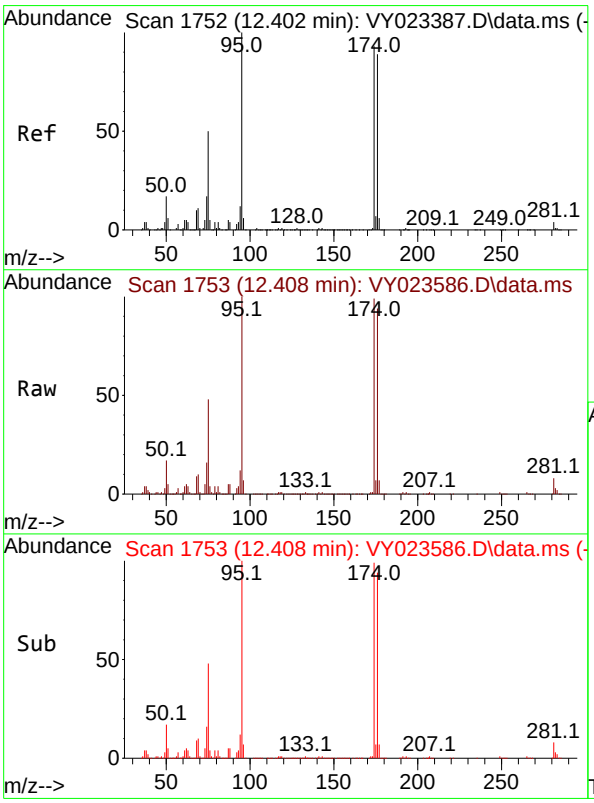
#50
Toluene-d8
Concen: 48.456 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Tgt Ion: 98 Resp: 1460587

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4

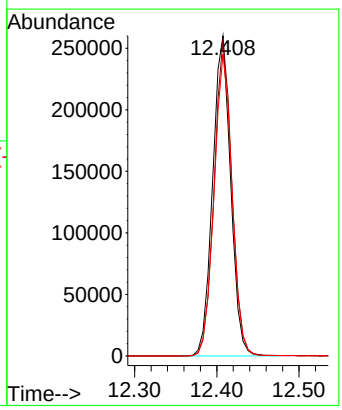


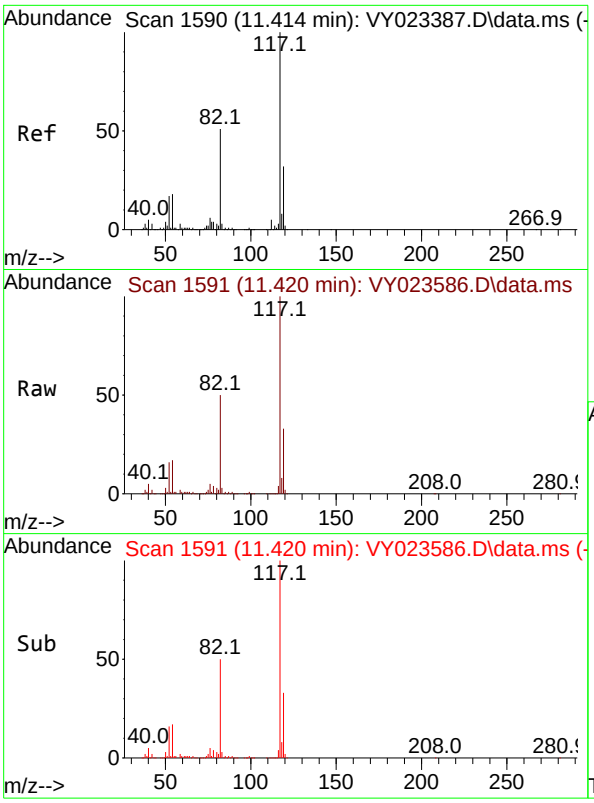


#62
4-Bromofluorobenzene
Concen: 39.704 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion: 95 Resp: 395111

Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	192.8
176	94.4	0.0	187.6



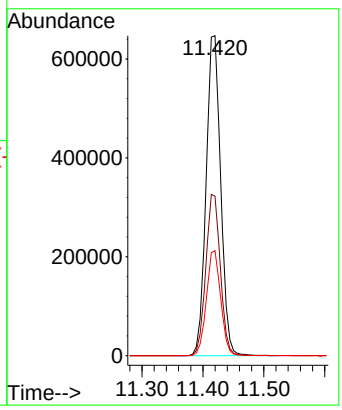


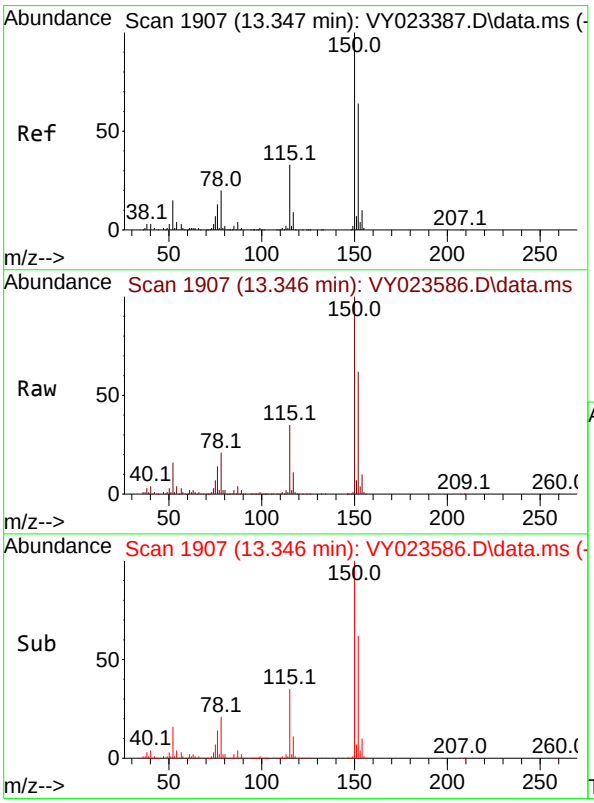
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Tgt Ion:117 Resp: 1075350

Ion	Ratio	Lower	Upper
117	100		
82	49.9	41.0	61.4
119	32.8	25.6	38.4

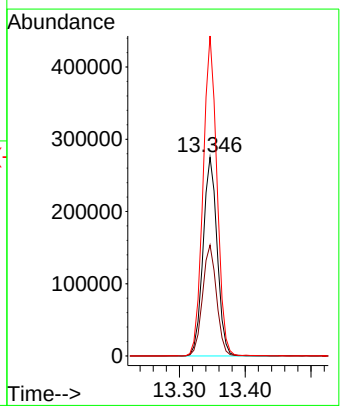




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion:152 Resp: 410194

Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.1	81.2
150	158.6	0.0	347.4



Sample Results: **VY023586.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023586.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.616	463	475	489	rBV2	35421	114365	3.08%	0.585%
2	5.647	633	644	654	rBV2	18734	57451	1.55%	0.294%
3	6.890	835	848	861	rBV2	46803	149479	4.02%	0.764%
4	7.634	960	970	976	rBV	548545	1333691	35.87%	6.818%
5	7.713	976	983	996	rVB	955174	2214602	59.56%	11.322%
6	8.061	1028	1040	1060	rBV2	434088	1063419	28.60%	5.437%
7	8.616	1121	1131	1147	rBV	1470023	2831375	76.14%	14.475%
8	10.109	1367	1376	1384	rBV	2220869	3718460	100.00%	19.010%
9	10.512	1434	1442	1457	rVB	182009	344718	9.27%	1.762%
10	10.877	1496	1502	1512	rBV2	59628	105520	2.84%	0.539%
11	11.414	1582	1590	1603	rBV	1838487	3075354	82.71%	15.722%
12	12.408	1744	1753	1761	rBV2	1399307	2222007	59.76%	11.360%
13	13.346	1900	1907	1920	rVB	1555976	2329827	62.66%	11.911%

Sum of corrected areas: 19560268

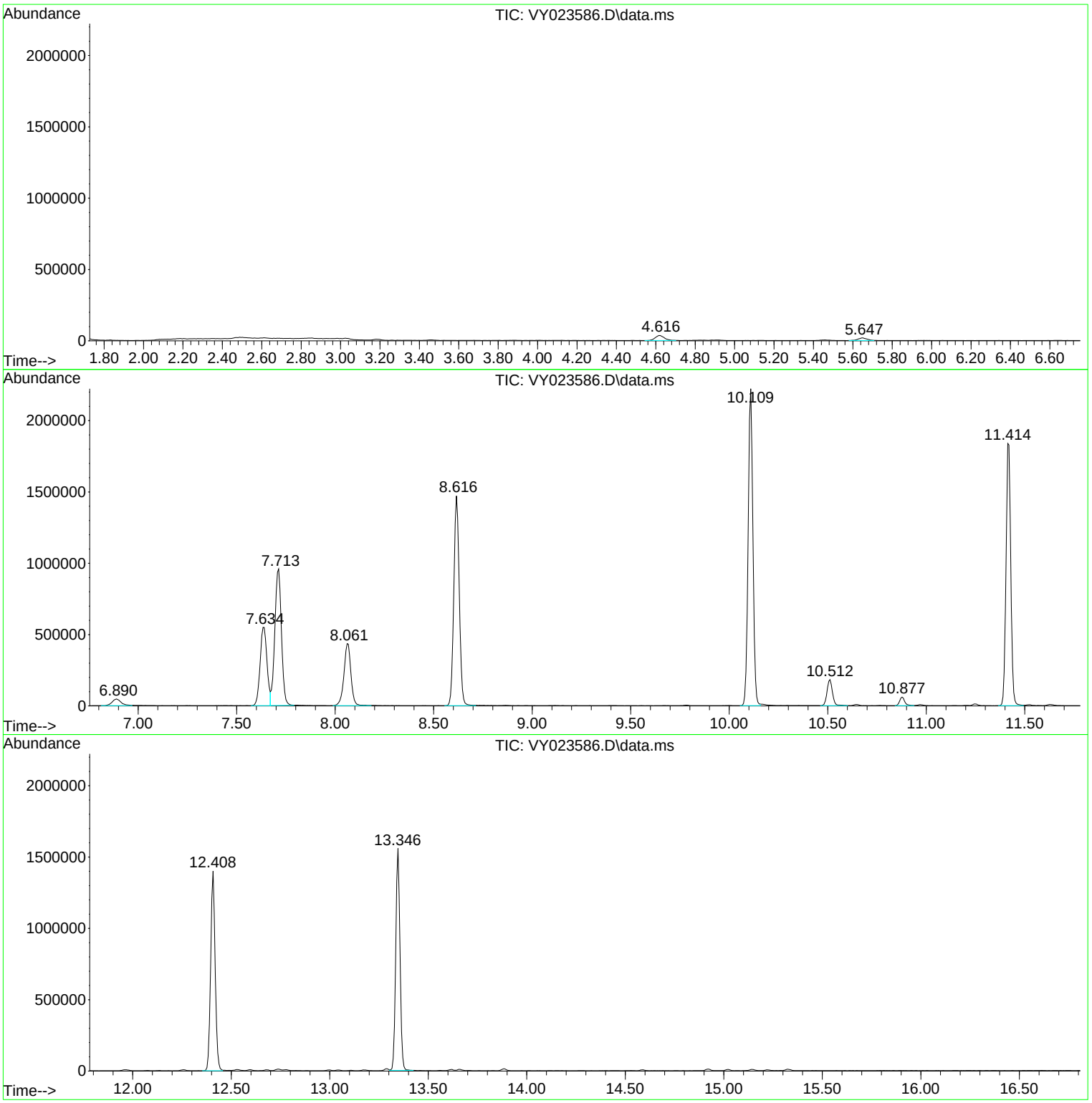
Sample Results: **VY023586.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023586.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.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: **VY023587.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	VY1027SBS01	SDG No.:	Q3466
Lab Sample ID:	VY1027SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	20.0		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
74-87-3	Chloromethane	18.5		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
75-01-4	Vinyl Chloride	19.2		1	0.79	5.00	ug/Kg	10/27/25 10:17	VY102725
74-83-9	Bromomethane	20.8		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
75-00-3	Chloroethane	20.0		1	1.30	5.00	ug/Kg	10/27/25 10:17	VY102725
75-69-4	Trichlorofluoromethane	20.6		1	1.20	5.00	ug/Kg	10/27/25 10:17	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
75-35-4	1,1-Dichloroethene	20.4		1	1.00	5.00	ug/Kg	10/27/25 10:17	VY102725
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/27/25 10:17	VY102725
75-15-0	Carbon Disulfide	19.4		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
1634-04-4	Methyl tert-butyl Ether	19.7		1	0.73	5.00	ug/Kg	10/27/25 10:17	VY102725
79-20-9	Methyl Acetate	15.3		1	1.50	5.00	ug/Kg	10/27/25 10:17	VY102725
75-09-2	Methylene Chloride	19.6		1	3.50	10.0	ug/Kg	10/27/25 10:17	VY102725
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/27/25 10:17	VY102725
75-34-3	1,1-Dichloroethane	21.0		1	0.80	5.00	ug/Kg	10/27/25 10:17	VY102725
110-82-7	Cyclohexane	20.0		1	0.79	5.00	ug/Kg	10/27/25 10:17	VY102725
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/27/25 10:17	VY102725
56-23-5	Carbon Tetrachloride	21.6		1	0.97	5.00	ug/Kg	10/27/25 10:17	VY102725
156-59-2	cis-1,2-Dichloroethene	21.6		1	0.75	5.00	ug/Kg	10/27/25 10:17	VY102725
74-97-5	Bromochloromethane	20.5		1	1.20	5.00	ug/Kg	10/27/25 10:17	VY102725
67-66-3	Chloroform	21.8		1	0.84	5.00	ug/Kg	10/27/25 10:17	VY102725
71-55-6	1,1,1-Trichloroethane	21.8		1	0.93	5.00	ug/Kg	10/27/25 10:17	VY102725
108-87-2	Methylcyclohexane	20.5		1	0.91	5.00	ug/Kg	10/27/25 10:17	VY102725
71-43-2	Benzene	21.6		1	0.79	5.00	ug/Kg	10/27/25 10:17	VY102725
107-06-2	1,2-Dichloroethane	20.9		1	0.79	5.00	ug/Kg	10/27/25 10:17	VY102725
79-01-6	Trichloroethene	21.8		1	0.81	5.00	ug/Kg	10/27/25 10:17	VY102725
78-87-5	1,2-Dichloropropane	21.6		1	0.91	5.00	ug/Kg	10/27/25 10:17	VY102725
75-27-4	Bromodichloromethane	21.6		1	0.78	5.00	ug/Kg	10/27/25 10:17	VY102725
108-10-1	4-Methyl-2-Pentanone	95.4		1	3.60	25.0	ug/Kg	10/27/25 10:17	VY102725
108-88-3	Toluene	21.6		1	0.78	5.00	ug/Kg	10/27/25 10:17	VY102725
10061-02-6	t-1,3-Dichloropropene	20.5		1	0.65	5.00	ug/Kg	10/27/25 10:17	VY102725
10061-01-5	cis-1,3-Dichloropropene	21.0		1	0.62	5.00	ug/Kg	10/27/25 10:17	VY102725
79-00-5	1,1,2-Trichloroethane	21.0		1	0.92	5.00	ug/Kg	10/27/25 10:17	VY102725
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/27/25 10:17	VY102725
124-48-1	Dibromochloromethane	20.8		1	0.87	5.00	ug/Kg	10/27/25 10:17	VY102725
106-93-4	1,2-Dibromoethane	20.6		1	0.88	5.00	ug/Kg	10/27/25 10:17	VY102725
127-18-4	Tetrachloroethene	22.5		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
108-90-7	Chlorobenzene	21.4		1	0.91	5.00	ug/Kg	10/27/25 10:17	VY102725
100-41-4	Ethyl Benzene	21.3		1	0.67	5.00	ug/Kg	10/27/25 10:17	VY102725
179601-23-1	m/p-Xylenes	43.5		1	1.20	10.0	ug/Kg	10/27/25 10:17	VY102725
95-47-6	o-Xylene	21.4		1	0.82	5.00	ug/Kg	10/27/25 10:17	VY102725
100-42-5	Styrene	21.3		1	0.71	5.00	ug/Kg	10/27/25 10:17	VY102725
75-25-2	Bromoform	20.4		1	0.86	5.00	ug/Kg	10/27/25 10:17	VY102725

Raw Data: **VY023587.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	VY1027SBS01	SDG No.:	Q3466
Lab Sample ID:	VY1027SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.0		1	0.78	5.00	ug/Kg	10/27/25 10:17	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1	1.20	5.00	ug/Kg	10/27/25 10:17	VY102725
541-73-1	1,3-Dichlorobenzene	21.3		1	1.70	5.00	ug/Kg	10/27/25 10:17	VY102725
106-46-7	1,4-Dichlorobenzene	20.9		1	1.60	5.00	ug/Kg	10/27/25 10:17	VY102725
95-50-1	1,2-Dichlorobenzene	21.2		1	1.50	5.00	ug/Kg	10/27/25 10:17	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		1	1.80	5.00	ug/Kg	10/27/25 10:17	VY102725
120-82-1	1,2,4-Trichlorobenzene	19.9		1	3.00	5.00	ug/Kg	10/27/25 10:17	VY102725
87-61-6	1,2,3-Trichlorobenzene	19.3		1	3.20	5.00	ug/Kg	10/27/25 10:17	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.7			70 (63) - 130 (155)	93%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.5			70 (70) - 130 (134)	101%	SPK: 50		
2037-26-5	Toluene-d8	49.1			70 (74) - 130 (123)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.1			70 (17) - 130 (146)	98%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	500000							
540-36-3	1,4-Difluorobenzene	733000							
3114-55-4	Chlorobenzene-d5	644000							
3855-82-1	1,4-Dichlorobenzene-d4	345000							

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023587.D
Acq On : 27 Oct 2025 10:17
Operator : SY/MD
Sample : VY1027SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 04:36:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	499774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	732575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	644176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	345467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	195073	46.677	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.360%			
35) Dibromofluoromethane	7.634	113	227097	50.451	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.900%			
50) Toluene-d8	10.109	98	822762	49.081	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.408	95	271973	49.142	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	71824	19.966	ug/l	95
3) Chloromethane	2.074	50	90648	18.498	ug/l	99
4) Vinyl Chloride	2.208	62	122333	19.166	ug/l	99
5) Bromomethane	2.592	94	111461	20.809	ug/l	97
6) Chloroethane	2.732	64	87222	20.047	ug/l	100
7) Trichlorofluoromethane	3.056	101	182989	20.648	ug/l	95
8) Diethyl Ether	3.452	74	44668	19.288	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	98823	21.488	ug/l	98
10) Methyl Iodide	4.007	142	99971	19.527	ug/l	99
11) Tert butyl alcohol	4.854	59	25017	80.465	ug/l	97
12) 1,1-Dichloroethene	3.793	96	91057	20.425	ug/l	96
13) Acrolein	3.653	56	18444	41.983	ug/l	100
14) Allyl chloride	4.385	41	106830	19.663	ug/l	97
15) Acrylonitrile	5.055	53	85666	96.662	ug/l	99
16) Acetone	3.872	43	131477	132.147	ug/l	100
17) Carbon Disulfide	4.110	76	248009	19.437	ug/l	100
18) Methyl Acetate	4.391	43	40005	15.328	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	211366	19.727	ug/l	96
20) Methylene Chloride	4.616	84	105371	19.586	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	103122	21.010	ug/l	96
22) Diisopropyl ether	6.018	45	249840	20.789	ug/l	98
23) Vinyl Acetate	5.964	43	658856	101.283	ug/l	100
24) 1,1-Dichloroethane	5.921	63	167346	21.021	ug/l	98
25) 2-Butanone	6.896	43	133835	110.184	ug/l	93
26) 2,2-Dichloropropane	6.890	77	157622	21.578	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	122389	21.587	ug/l	97
28) Bromochloromethane	7.250	49	60920	20.499	ug/l	98
29) Tetrahydrofuran	7.262	42	62255	90.383	ug/l	99
30) Chloroform	7.421	83	190441	21.773	ug/l	98
31) Cyclohexane	7.701	56	138725	19.954	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	173001	21.765	ug/l	99
36) 1,1-Dichloropropene	7.835	75	126802	21.278	ug/l	99
37) Ethyl Acetate	6.988	43	45622	19.324	ug/l	98
38) Carbon Tetrachloride	7.823	117	156366	21.639	ug/l	100
39) Methylcyclohexane	9.109	83	159113	20.507	ug/l	98
40) Benzene	8.079	78	407526	21.594	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023587.D
Acq On : 27 Oct 2025 10:17
Operator : SY/MD
Sample : VY1027SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 04:36:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	23723	18.579	ug/l		93
42) 1,2-Dichloroethane	8.158	62	101743	20.904	ug/l		99
43) Isopropyl Acetate	8.195	43	87878	18.667	ug/l		98
44) Trichloroethene	8.865	130	120671	21.846	ug/l		98
45) 1,2-Dichloropropane	9.140	63	90039	21.600	ug/l		96
46) Dibromomethane	9.231	93	55698	21.131	ug/l		98
47) Bromodichloromethane	9.426	83	143142	21.562	ug/l		97
48) Methyl methacrylate	9.225	41	40623	18.368	ug/l		99
49) 1,4-Dioxane	9.231	88	11549	377.901	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	232057	95.406	ug/l		99
52) Toluene	10.170	92	264958	21.623	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	118614	20.549	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	143035	20.995	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	74277	20.955	ug/l		97
56) Ethyl methacrylate	10.438	69	79786	19.514	ug/l		98
57) 1,3-Dichloropropane	10.719	76	118060	21.019	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	172090	93.954	ug/l		99
59) 2-Hexanone	10.761	43	188221	108.283	ug/l		99
60) Dibromochloromethane	10.914	129	103231	20.773	ug/l		98
61) 1,2-Dibromoethane	11.018	107	69606	20.591	ug/l		99
64) Tetrachloroethene	10.646	164	149629	22.496	ug/l		98
65) Chlorobenzene	11.444	112	300150	21.423	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	107648	21.561	ug/l		100
67) Ethyl Benzene	11.517	91	482176	21.261	ug/l		99
68) m/p-Xylenes	11.627	106	396042	43.538	ug/l		98
69) o-Xylene	11.956	106	182977	21.446	ug/l		99
70) Styrene	11.969	104	299250	21.328	ug/l		99
71) Bromoform	12.133	173	63230	20.417	ug/l	#	99
73) Isopropylbenzene	12.255	105	477591	20.978	ug/l		100
74) N-amyl acetate	12.072	43	73513	17.977	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	70375	18.899	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	55257m	18.129	ug/l		
77) Bromobenzene	12.529	156	124518	20.573	ug/l		100
78) n-propylbenzene	12.596	91	565369	21.460	ug/l		99
79) 2-Chlorotoluene	12.682	91	326754	21.179	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	399645	21.723	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	23427	18.848	ug/l		97
82) 4-Chlorotoluene	12.773	91	339541	21.370	ug/l		99
83) tert-Butylbenzene	12.999	119	363021	21.371	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	397243	21.636	ug/l		99
85) sec-Butylbenzene	13.176	105	529053	21.712	ug/l		100
86) p-Isopropyltoluene	13.291	119	450136	21.697	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	250810	21.280	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	243581	20.925	ug/l		98
89) n-Butylbenzene	13.615	91	380196	21.032	ug/l		99
90) Hexachloroethane	13.877	117	94960	21.281	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	218613	21.156	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11178	18.295	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	127872	19.850	ug/l		100
94) Hexachlorobutadiene	15.023	225	84513	21.046	ug/l		97
95) Naphthalene	15.145	128	177886	17.341	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	107539	19.273	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023587.D
Acq On : 27 Oct 2025 10:17
Operator : SY/MD
Sample : VY1027SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Quant Time: Oct 28 04:36:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

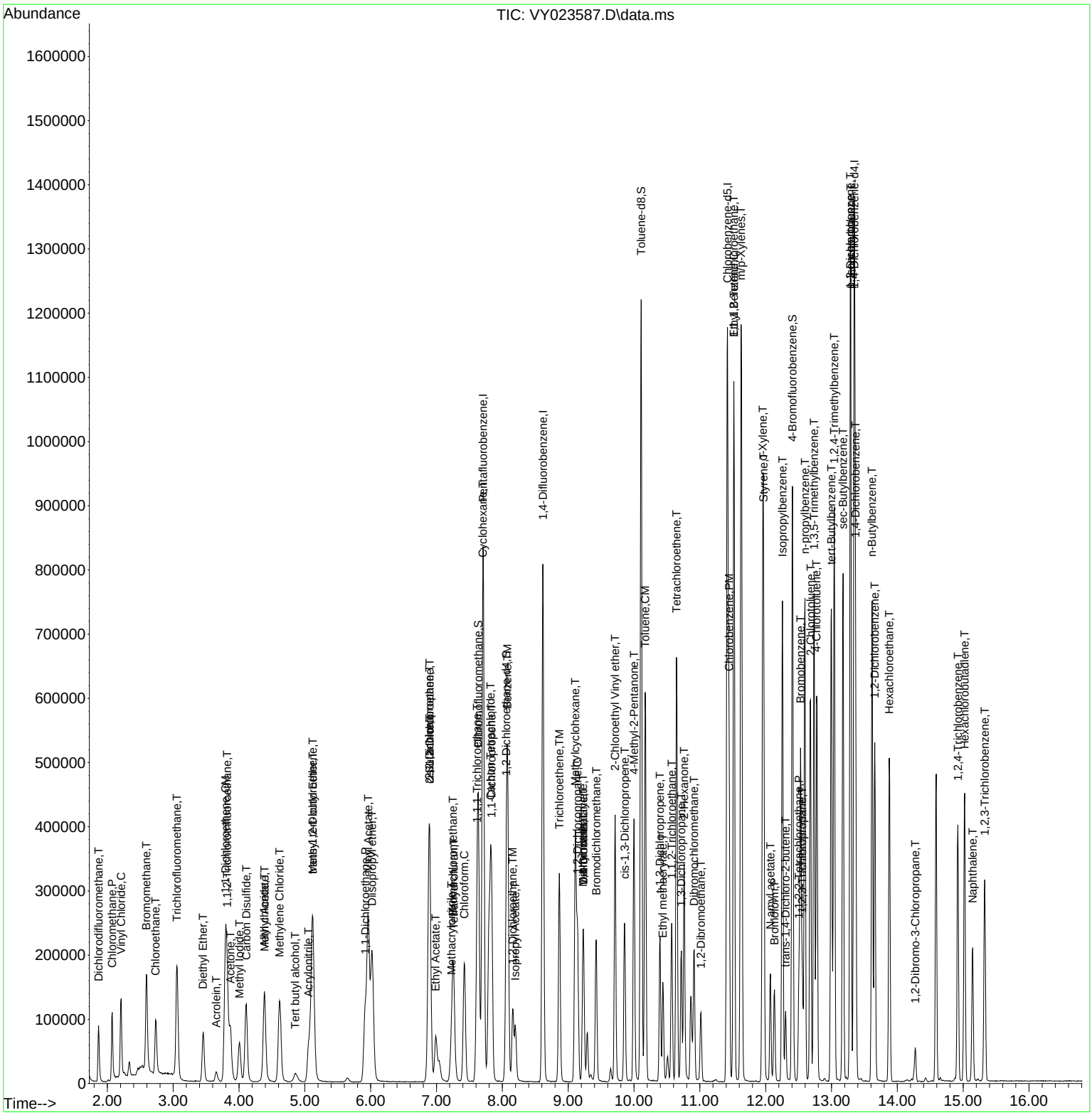
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023587.D
Acq On : 27 Oct 2025 10:17
Operator : SY/MD
Sample : VY1027SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 04:36:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025



Raw Data: **VY023588.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	VY1027SBSD01	SDG No.:	Q3466
Lab Sample ID:	VY1027SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.2		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
74-87-3	Chloromethane	19.8		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
75-01-4	Vinyl Chloride	20.5		1	0.79	5.00	ug/Kg	10/27/25 10:39	VY102725
74-83-9	Bromomethane	21.6		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
75-00-3	Chloroethane	21.4		1	1.30	5.00	ug/Kg	10/27/25 10:39	VY102725
75-69-4	Trichlorofluoromethane	21.3		1	1.20	5.00	ug/Kg	10/27/25 10:39	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	22.3		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
75-35-4	1,1-Dichloroethene	21.3		1	1.00	5.00	ug/Kg	10/27/25 10:39	VY102725
67-64-1	Acetone	140		1	4.70	25.0	ug/Kg	10/27/25 10:39	VY102725
75-15-0	Carbon Disulfide	20.3		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
1634-04-4	Methyl tert-butyl Ether	20.8		1	0.73	5.00	ug/Kg	10/27/25 10:39	VY102725
79-20-9	Methyl Acetate	19.3		1	1.50	5.00	ug/Kg	10/27/25 10:39	VY102725
75-09-2	Methylene Chloride	21.1		1	3.50	10.0	ug/Kg	10/27/25 10:39	VY102725
156-60-5	trans-1,2-Dichloroethene	21.7		1	0.86	5.00	ug/Kg	10/27/25 10:39	VY102725
75-34-3	1,1-Dichloroethane	22.1		1	0.80	5.00	ug/Kg	10/27/25 10:39	VY102725
110-82-7	Cyclohexane	20.4		1	0.79	5.00	ug/Kg	10/27/25 10:39	VY102725
78-93-3	2-Butanone	120		1	6.50	25.0	ug/Kg	10/27/25 10:39	VY102725
56-23-5	Carbon Tetrachloride	22.4		1	0.97	5.00	ug/Kg	10/27/25 10:39	VY102725
156-59-2	cis-1,2-Dichloroethene	22.5		1	0.75	5.00	ug/Kg	10/27/25 10:39	VY102725
74-97-5	Bromochloromethane	21.4		1	1.20	5.00	ug/Kg	10/27/25 10:39	VY102725
67-66-3	Chloroform	22.8		1	0.84	5.00	ug/Kg	10/27/25 10:39	VY102725
71-55-6	1,1,1-Trichloroethane	22.3		1	0.93	5.00	ug/Kg	10/27/25 10:39	VY102725
108-87-2	Methylcyclohexane	21.2		1	0.91	5.00	ug/Kg	10/27/25 10:39	VY102725
71-43-2	Benzene	22.7		1	0.79	5.00	ug/Kg	10/27/25 10:39	VY102725
107-06-2	1,2-Dichloroethane	21.8		1	0.79	5.00	ug/Kg	10/27/25 10:39	VY102725
79-01-6	Trichloroethene	22.2		1	0.81	5.00	ug/Kg	10/27/25 10:39	VY102725
78-87-5	1,2-Dichloropropane	22.6		1	0.91	5.00	ug/Kg	10/27/25 10:39	VY102725
75-27-4	Bromodichloromethane	22.4		1	0.78	5.00	ug/Kg	10/27/25 10:39	VY102725
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	25.0	ug/Kg	10/27/25 10:39	VY102725
108-88-3	Toluene	22.8		1	0.78	5.00	ug/Kg	10/27/25 10:39	VY102725
10061-02-6	t-1,3-Dichloropropene	21.2		1	0.65	5.00	ug/Kg	10/27/25 10:39	VY102725
10061-01-5	cis-1,3-Dichloropropene	22.2		1	0.62	5.00	ug/Kg	10/27/25 10:39	VY102725
79-00-5	1,1,2-Trichloroethane	22.7		1	0.92	5.00	ug/Kg	10/27/25 10:39	VY102725
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/27/25 10:39	VY102725
124-48-1	Dibromochloromethane	21.9		1	0.87	5.00	ug/Kg	10/27/25 10:39	VY102725
106-93-4	1,2-Dibromoethane	21.7		1	0.88	5.00	ug/Kg	10/27/25 10:39	VY102725
127-18-4	Tetrachloroethene	23.1		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
108-90-7	Chlorobenzene	22.6		1	0.91	5.00	ug/Kg	10/27/25 10:39	VY102725
100-41-4	Ethyl Benzene	22.2		1	0.67	5.00	ug/Kg	10/27/25 10:39	VY102725
179601-23-1	m/p-Xylenes	44.6		1	1.20	10.0	ug/Kg	10/27/25 10:39	VY102725
95-47-6	o-Xylene	21.9		1	0.82	5.00	ug/Kg	10/27/25 10:39	VY102725
100-42-5	Styrene	22.3		1	0.71	5.00	ug/Kg	10/27/25 10:39	VY102725
75-25-2	Bromoform	21.7		1	0.86	5.00	ug/Kg	10/27/25 10:39	VY102725

Raw Data: **VY023588.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VY1027SBSD01			SDG No.:	Q3466
Lab Sample ID:	VY1027SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level : LOW		% Solid:	100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL		Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	22.2		1	0.78	5.00	ug/Kg	10/27/25 10:39	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1	1.20	5.00	ug/Kg	10/27/25 10:39	VY102725
541-73-1	1,3-Dichlorobenzene	21.9		1	1.70	5.00	ug/Kg	10/27/25 10:39	VY102725
106-46-7	1,4-Dichlorobenzene	21.9		1	1.60	5.00	ug/Kg	10/27/25 10:39	VY102725
95-50-1	1,2-Dichlorobenzene	22.0		1	1.50	5.00	ug/Kg	10/27/25 10:39	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1	1.80	5.00	ug/Kg	10/27/25 10:39	VY102725
120-82-1	1,2,4-Trichlorobenzene	20.4		1	3.00	5.00	ug/Kg	10/27/25 10:39	VY102725
87-61-6	1,2,3-Trichlorobenzene	20.2		1	3.20	5.00	ug/Kg	10/27/25 10:39	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	47.7			70 (63) - 130 (155)	95%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.8			70 (70) - 130 (134)	102%	SPK: 50		
2037-26-5	Toluene-d8	50.7			70 (74) - 130 (123)	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.9			70 (17) - 130 (146)	100%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	485000							
540-36-3	1,4-Difluorobenzene	707000							
3114-55-4	Chlorobenzene-d5	620000							
3855-82-1	1,4-Dichlorobenzene-d4	325000							

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023588.D
Acq On : 27 Oct 2025 10:39
Operator : SY/MD
Sample : VY1027SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 28 04:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	484571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	706753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	619972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	325402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193100	47.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.300%			
35) Dibromofluoromethane	7.634	113	220579	50.793	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.580%			
50) Toluene-d8	10.109	98	819582	50.678	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.360%			
62) 4-Bromofluorobenzene	12.402	95	266662	49.943	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	73923	21.194	ug/l	98
3) Chloromethane	2.074	50	94310	19.849	ug/l	98
4) Vinyl Chloride	2.208	62	126987	20.519	ug/l	98
5) Bromomethane	2.592	94	112407	21.644	ug/l	96
6) Chloroethane	2.733	64	90066	21.350	ug/l	99
7) Trichlorofluoromethane	3.056	101	183391	21.342	ug/l	98
8) Diethyl Ether	3.458	74	46778	20.833	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	99618	22.341	ug/l	100
10) Methyl Iodide	4.007	142	106832	21.521	ug/l	99
11) Tert butyl alcohol	4.860	59	29585	98.142	ug/l #	91
12) 1,1-Dichloroethene	3.793	96	91956	21.274	ug/l	95
13) Acrolein	3.653	56	19614	46.047	ug/l	100
14) Allyl chloride	4.385	41	110880	21.048	ug/l	98
15) Acrylonitrile	5.061	53	87514	101.845	ug/l	100
16) Acetone	3.866	43	130974	135.771	ug/l	100
17) Carbon Disulfide	4.110	76	251206	20.305	ug/l	99
18) Methyl Acetate	4.385	43	48856	19.307	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	215745	20.767	ug/l	99
20) Methylene Chloride	4.622	84	109898	21.068	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	103236	21.693	ug/l	96
22) Diisopropyl ether	6.025	45	255265	21.907	ug/l	97
23) Vinyl Acetate	5.964	43	652418	103.440	ug/l	100
24) 1,1-Dichloroethane	5.915	63	170247	22.057	ug/l	97
25) 2-Butanone	6.896	43	139522	118.469	ug/l	97
26) 2,2-Dichloropropane	6.884	77	158961	22.444	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	123697	22.502	ug/l	96
28) Bromochloromethane	7.244	49	61569	21.367	ug/l	99
29) Tetrahydrofuran	7.268	42	64637	96.785	ug/l	100
30) Chloroform	7.421	83	193159	22.777	ug/l	98
31) Cyclohexane	7.701	56	137180	20.351	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	171904	22.306	ug/l	99
36) 1,1-Dichloropropene	7.835	75	127622	22.198	ug/l	99
37) Ethyl Acetate	6.988	43	48817	21.433	ug/l	97
38) Carbon Tetrachloride	7.817	117	156052	22.385	ug/l	99
39) Methylcyclohexane	9.109	83	158531	21.178	ug/l	98
40) Benzene	8.079	78	413668	22.720	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023588.D
Acq On : 27 Oct 2025 10:39
Operator : SY/MD
Sample : VY1027SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 28 04:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	24141	19.597	ug/l #	71
42) 1,2-Dichloroethane	8.158	62	102374	21.802	ug/l	100
43) Isopropyl Acetate	8.195	43	89935	19.802	ug/l	98
44) Trichloroethene	8.866	130	118439	22.225	ug/l	98
45) 1,2-Dichloropropane	9.140	63	90936	22.612	ug/l	99
46) Dibromomethane	9.231	93	55078	21.659	ug/l	98
47) Bromodichloromethane	9.426	83	143726	22.441	ug/l	99
48) Methyl methacrylate	9.219	41	42714	20.019	ug/l	98
49) 1,4-Dioxane	9.231	88	11995	406.835	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	241896	103.085	ug/l	98
52) Toluene	10.170	92	269255	22.776	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	118047	21.198	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	145757	22.177	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	77711	22.725	ug/l	97
56) Ethyl methacrylate	10.438	69	78113	19.803	ug/l	99
57) 1,3-Dichloropropane	10.719	76	120242	22.190	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	166565	94.260	ug/l	99
59) 2-Hexanone	10.762	43	189661	113.098	ug/l	99
60) Dibromochloromethane	10.914	129	105104	21.922	ug/l	98
61) 1,2-Dibromoethane	11.018	107	70658	21.666	ug/l	100
64) Tetrachloroethene	10.646	164	147698	23.073	ug/l	98
65) Chlorobenzene	11.444	112	304353	22.571	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	109178	22.721	ug/l	98
67) Ethyl Benzene	11.518	91	484581	22.201	ug/l	100
68) m/p-Xylenes	11.627	106	390520	44.607	ug/l	98
69) o-Xylene	11.956	106	179997	21.920	ug/l	99
70) Styrene	11.969	104	301330	22.315	ug/l	100
71) Bromoform	12.133	173	64644	21.688	ug/l	99
73) Isopropylbenzene	12.255	105	475826	22.189	ug/l	100
74) N-amyl acetate	12.072	43	74645	19.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	73229	20.879	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	54116m	18.850	ug/l	
77) Bromobenzene	12.530	156	123258	21.620	ug/l	100
78) n-propylbenzene	12.597	91	558261	22.496	ug/l	100
79) 2-Chlorotoluene	12.676	91	322587	22.199	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	388839	22.439	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	22707	19.395	ug/l	97
82) 4-Chlorotoluene	12.773	91	332694	22.230	ug/l	99
83) tert-Butylbenzene	12.999	119	356347	22.272	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	391778	22.654	ug/l	99
85) sec-Butylbenzene	13.176	105	519994	22.656	ug/l	100
86) p-Isopropyltoluene	13.292	119	435093	22.265	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	243437	21.928	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	240439	21.929	ug/l	98
89) n-Butylbenzene	13.615	91	373775	21.952	ug/l	99
90) Hexachloroethane	13.877	117	91694	21.816	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	213663	21.952	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11437	19.873	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	123920	20.422	ug/l	99
94) Hexachlorobutadiene	15.023	225	83375	22.043	ug/l	99
95) Naphthalene	15.145	128	178910	18.516	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	106184	20.203	ug/l	100

Sample Results: **VY023588.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023588.D
Acq On : 27 Oct 2025 10:39
Operator : SY/MD
Sample : VY1027SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 28 04:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

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

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

Sample Results: **VY023588.D**

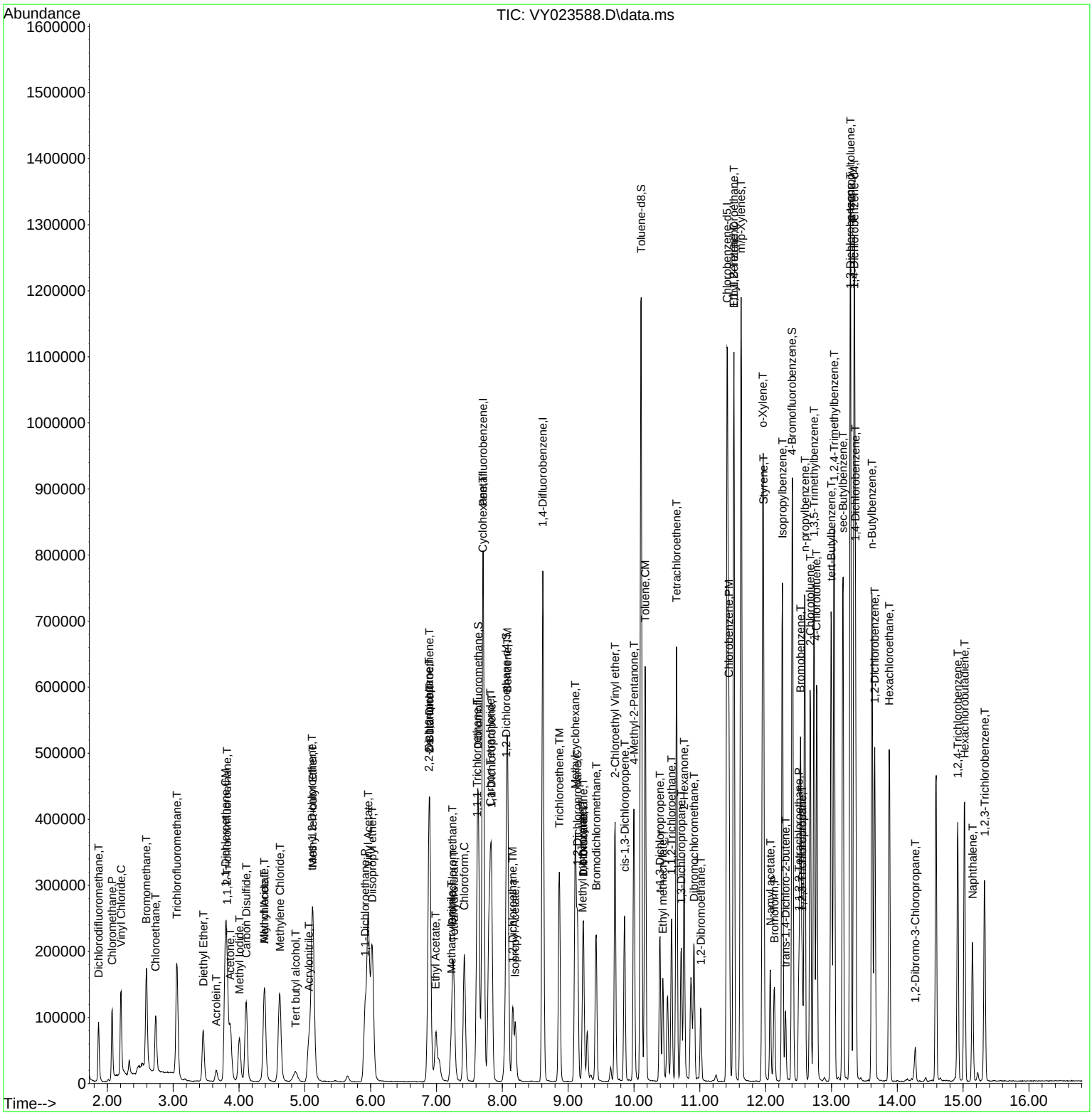
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023588.D
Acq On : 27 Oct 2025 10:39
Operator : SY/MD
Sample : VY1027SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 28 04:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025



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

Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023384.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	Methacrylonitrile	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	Methacrylonitrile	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICCC050	VY023387.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:01 AM	MMdadoda	10/10/2025 4:37:41 AM	Peak Integrated by Software
VSTDICC100	VY023388.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:05 AM	MMdadoda	10/10/2025 4:37:46 AM	Peak Integrated by Software
VSTDICC150	VY023389.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:09 AM	MMdadoda	10/10/2025 4:37:51 AM	Peak Integrated by Software
VSTDICV050	VY023391.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:14 AM	MMdadoda	10/10/2025 4:37:55 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

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

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

Manual Integration Report

Sequence:	VY102725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023585.D	1,2,3-Trichloropropane	Amit	10/28/2025 10:00:32 AM	MMDadoda	10/28/2025 1:16:14 PM	Peak Integrated by Software
VY1027SBS01	VY023587.D	1,2,3-Trichloropropane	Amit	10/28/2025 10:00:39 AM	MMDadoda	10/28/2025 1:16:23 PM	Peak Integrated by Software
VY1027SBSD01	VY023588.D	1,2,3-Trichloropropane	Amit	10/28/2025 10:00:45 AM	MMDadoda	10/28/2025 1:16:26 PM	Peak Integrated by Software
VSTDCCC050	VY023596.D	1,2,3-Trichloropropane	Amit	10/28/2025 10:00:50 AM	MMDadoda	10/28/2025 1:16:19 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:02 AM				
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135766
Initial Calibration Stds	VP135767,VP135768,VP135769,VP135770,VP135771,VP135772
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135773
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023383.D	07 Oct 2025 08:43	SY/MD	Ok
2	VSTDICC005	VY023384.D	07 Oct 2025 09:17	SY/MD	Ok,M
3	VSTDICC010	VY023385.D	07 Oct 2025 10:02	SY/MD	Ok,M
4	VSTDICC020	VY023386.D	07 Oct 2025 11:24	SY/MD	Ok,M
5	VSTDICCC050	VY023387.D	07 Oct 2025 11:47	SY/MD	Ok,M
6	VSTDICC100	VY023388.D	07 Oct 2025 12:09	SY/MD	Ok,M
7	VSTDICC150	VY023389.D	07 Oct 2025 12:32	SY/MD	Ok,M
8	VIBLK	VY023390.D	07 Oct 2025 13:02	SY/MD	Ok
9	VSTDICV050	VY023391.D	07 Oct 2025 14:12	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102725

Review By	Amit Patel	Review On	10/28/2025 10:01:28 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/28/2025 1:16:38 PM				
SubDirectory	VY102725	HP Acquire Method	MSVOA_Y		HP Processing Method	82y100725s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP135943
Initial Calibration Stds	
CCC	VP135944,VP135945
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	VY023584.D	27 Oct 2025 08:37	SY/MD	Ok
2	VSTDCCC050	VY023585.D	27 Oct 2025 09:12	SY/MD	Ok,M
3	VY1027SBL01	VY023586.D	27 Oct 2025 09:47	SY/MD	Ok
4	VY1027SBS01	VY023587.D	27 Oct 2025 10:17	SY/MD	Ok,M
5	VY1027SBSD01	VY023588.D	27 Oct 2025 10:39	SY/MD	Ok,M
6	Q3457-01	VY023589.D	27 Oct 2025 11:20	SY/MD	Ok
7	Q3465-01	VY023590.D	27 Oct 2025 11:43	SY/MD	Ok
8	Q3466-01	VY023591.D	27 Oct 2025 12:07	SY/MD	Ok
9	Q3466-04	VY023592.D	27 Oct 2025 12:30	SY/MD	Ok
10	Q3466-06	VY023593.D	27 Oct 2025 12:54	SY/MD	Ok
11	Q3469-03	VY023594.D	27 Oct 2025 13:17	SY/MD	Ok
12	VIBLK	VY023595.D	27 Oct 2025 15:24	SY/MD	Ok
13	VSTDCCC050	VY023596.D	27 Oct 2025 15:47	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:02 AM		
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135766
Initial Calibration Stds	VP135767,VP135768,VP135769,VP135770,VP135771,VP135772
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135773
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023383.D	07 Oct 2025 08:43		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023384.D	07 Oct 2025 09:17		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023385.D	07 Oct 2025 10:02		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023386.D	07 Oct 2025 11:24		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023387.D	07 Oct 2025 11:47		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023388.D	07 Oct 2025 12:09		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023389.D	07 Oct 2025 12:32		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023390.D	07 Oct 2025 13:02		SY/MD	Ok
9	VSTDICV050	ICVVY100725	VY023391.D	07 Oct 2025 14:12		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102725

Review By	Amit Patel	Review On	10/28/2025 10:01:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/28/2025 1:16:38 PM		
SubDirectory	VY102725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135943
Initial Calibration Stds	
CCC	VP135944,VP135945
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	VY023584.D	27 Oct 2025 08:37		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023585.D	27 Oct 2025 09:12		SY/MD	Ok,M
3	VY1027SBL01	VY1027SBL01	VY023586.D	27 Oct 2025 09:47		SY/MD	Ok
4	VY1027SBS01	VY1027SBS01	VY023587.D	27 Oct 2025 10:17		SY/MD	Ok,M
5	VY1027SBSD01	VY1027SBSD01	VY023588.D	27 Oct 2025 10:39		SY/MD	Ok,M
6	Q3457-01	TR-05-102425	VY023589.D	27 Oct 2025 11:20	vial-A	SY/MD	Ok
7	Q3465-01	SU-03-10242025	VY023590.D	27 Oct 2025 11:43	vial-A	SY/MD	Ok
8	Q3466-01	B8-0.5-1.0-20251023	VY023591.D	27 Oct 2025 12:07	vial-A	SY/MD	Ok
9	Q3466-04	B9-0.5-1.0-20251023	VY023592.D	27 Oct 2025 12:30	vial-A	SY/MD	Ok
10	Q3466-06	B7-1.5-2.0-20251023	VY023593.D	27 Oct 2025 12:54	vial-A	SY/MD	Ok
11	Q3469-03	TP-13-VOC	VY023594.D	27 Oct 2025 13:17	vial-A	SY/MD	Ok
12	VIBLK	VIBLK	VY023595.D	27 Oct 2025 15:24		SY/MD	Ok
13	VSTDCCC050	VSTDCCC050EC	VY023596.D	27 Oct 2025 15:47		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 10/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 10/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137661

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
Q3459-01	Y2404-0071-END-1-1	1	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-02	Y2404-0071-END-1-2	2	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-03	Y2404-0071-END-2-1	3	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-04	Y2404-0071-END-2-2	4	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-05	BC259240LOK-END-1-1	5	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-06	BC259240LOK-END-1-2	6	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-07	BC271327-END-1-1	7	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-08	BC271327-END-1-2	8	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-09	BC271327-END-2-1	9	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-10	BC271327-END-2-2	10	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-11	BC283118LOK-END-1-1	11	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-12	BC283118LOK-END-1-2	12	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-13	BC283118LOK-END-2-1	13	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-14	BC283118LOK-END-2-2	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-15	BC283118LOK-END-3-1	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-16	BC283118LOK-END-3-2	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-17	BC283118LOK-END-4-1	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-18	BC283118LOK-END-4-2	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3461-01	SS-9R(4.5-5.0)	19	1.18	10.38	11.56	10.34	88.2	
Q3461-02	SS-9R(5.0-5.5)	20	1.19	10.46	11.65	10.07	84.9	
Q3461-03	SS-25(4.5-5.0)	21	1.19	10.39	11.58	9.76	82.5	
Q3461-04	SS-25(5.0-5.5)	22	1.12	11.10	12.22	10.89	88.0	
Q3465-01	SU-03-10242025	23	1.16	10.29	11.45	10.74	93.1	
Q3465-02	SU-03-10242025-E2	24	1.18	10.49	11.67	10.23	86.3	
Q3466-01	B8-0.5-1.0-20251023	25	1.17	10.34	11.51	9.6	81.5	
Q3466-02	B8-0.0-1.0-20251023	26	1.16	10.36	11.52	10.00	85.3	
Q3466-04	B9-0.5-1.0-20251023	27	1.17	10.38	11.55	9.85	83.6	
Q3466-05	B9-0.0-1.0-20251023	28	1.18	10.42	11.6	9.85	83.2	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 10/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 10/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137661

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
Q3466-06	B7-1.5-2.0-20251023	29	1.14	10.35	11.49	10.57	91.1	
Q3466-07	B7-1.0-2.0-20251023	30	1.16	10.65	11.81	10.66	89.2	
Q3469-01	TP-13	31	1.18	10.10	11.28	10.38	91.1	
Q3469-02	TP-13-EPH	32	1.12	11.10	12.22	10.21	81.9	
Q3469-03	TP-13-VOC	33	1.11	10.41	11.52	10.52	90.4	
Q3470-01	PILC-1	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3470-02	PILC-2	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3472-04	COMP-1	36	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3472-06	COMP-2	37	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3472-08	COMP-3	38	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3472-10	COMP-4	39	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3472-12	COMP-5	40	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3472-14	155	41	1.00	1.00	2.00	2.00	100.0	debris
Q3472-16	142	42	1.00	1.00	2.00	2.00	100.0	oil sample
Q3472-18	137	43	1.00	1.00	2.00	2.00	100.0	oil sample
Q3474-01	WASTE	44	1.18	10.39	11.57	10.24	87.2	
Q3474-02	VOC	45	1.11	10.43	11.54	10.14	86.6	
Q3474-03	1	46	1.18	10.32	11.5	9.87	84.2	
Q3474-04	2	47	1.19	10.47	11.66	9.97	83.9	
Q3474-05	3	48	1.16	10.56	11.72	10.32	86.7	
Q3474-06	4	49	1.18	10.27	11.45	10.1	86.9	
Q3474-07	5	50	1.16	10.61	11.77	10.27	85.9	

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

WORKLIST(Hardcopy Internal Chain)

WR 13766

WorkList Name : %1-102725 **WorkList ID :** 192686 **Department :** Wet-Chemistry **Date :** 10-27-2025 08:17:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3459-01	Y2404-0071-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-02	Y2404-0071-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-03	Y2404-0071-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-04	Y2404-0071-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-05	BC259240LOK-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-06	BC259240LOK-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-07	BC271327-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-08	BC271327-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-09	BC271327-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-10	BC271327-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-11	BC283118LOK-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-12	BC283118LOK-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-13	BC283118LOK-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-14	BC283118LOK-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-15	BC283118LOK-END-3-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-16	BC283118LOK-END-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-17	BC283118LOK-END-4-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-18	BC283118LOK-END-4-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3461-01	SS-9R(4.5-5.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/24/2025	Chemtech -SO
Q3461-02	SS-9R(5.0-5.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/24/2025	Chemtech -SO
Q3461-03	SS-25(4.5-5.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/24/2025	Chemtech -SO

Date/Time 10/27/25 15:30

Raw Sample Received by: JB WQC

Raw Sample Relinquished by:

Date/Time 10/27/25 17:45

Raw Sample Received by:

Raw Sample Relinquished by: JB WQC

WORKLIST(Hardcopy Internal Chain)

WF137661

WorkList Name : %1-102725 **WorkList ID :** 192686 **Department :** Wet-Chemistry **Date :** 10-27-2025 08:17:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3461-04	SS-25(5.0-5.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/24/2025	Chemtech -SO
Q3465-01	SU-03-10242025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/24/2025	Chemtech -SO
Q3465-02	SU-03-10242025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/24/2025	Chemtech -SO
Q3466-01	B8-0.5-1.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	10/23/2025	Chemtech -SO
Q3466-02	B8-0.0-1.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	10/23/2025	Chemtech -SO
Q3466-04	B9-0.5-1.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	10/23/2025	Chemtech -SO
Q3466-05	B9-0.0-1.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	10/23/2025	Chemtech -SO
Q3466-06	B7-1.5-2.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	10/23/2025	Chemtech -SO
Q3466-07	B7-1.0-2.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	10/23/2025	Chemtech -SO
Q3469-01	TP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/25/2025	Chemtech -SO
Q3469-02	TP-13-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/25/2025	Chemtech -SO
Q3469-03	TP-13-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/25/2025	Chemtech -SO
Q3470-01	PILC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3470-02	PILC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-04	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-06	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-08	COMP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-10	COMP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-12	COMP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-14	155	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-16	142	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO

Date/Time 10/27/25 15:30

Raw Sample Received by: TB WDC

Raw Sample Relinquished by: CP

Date/Time 10/27/25 17:45

Raw Sample Received by: CP

Raw Sample Relinquished by: TB WDC

WORKLIST(Hardcopy Internal Chain)

UB 137661

WorkList Name : %1-102725 **WorkList ID :** 192686 **Department :** Wet-Chemistry **Date :** 10-27-2025 08:17:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3472-18	137	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3474-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO

Date/Time 10/27/25 13:30

Raw Sample Received by: MC

Raw Sample Relinquished by:

Date/Time 10/27/25 17:45

Raw Sample Received by:

Raw Sample Relinquished by: MC

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q34666
COC Number 2044567

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: HDR
ADDRESS: 50 Tice Blvd Suite 210
CITY Woodcliff Lake STATE: NJ ZIP: 07677
ATTENTION: Andrew Wadden
PHONE: 201-312-0752 FAX: N/A

CLIENT PROJECT INFORMATION

PROJECT NAME: PVWC
PROJECT NO.: 10367568 LOCATION: Passaic, NJ
PROJECT MANAGER: Andrew Wadden
e-mail: Andrew.Wadden@HDRInc.com
PHONE: 201-312-0752 FAX: N/A

CLIENT BILLING INFORMATION

BILL TO: HDR PO#:
ADDRESS: 50 Tice Blvd Suite 210
CITY Woodcliff Lake STATE: NJ ZIP: 07677
ATTENTION: Andrew Wadden PHONE: 201-312-0752

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: TCL VOCs
2: TCL SVOCs
3: Pesticides, Cyanide
4: Polychlorinated Biphenyls, TAL Metals
5: TCLP for Metals, Hexavalent Chromium
6: Mercury; EPH; Ignitability
7: Reactive Cyanide and Sulfide, Corrosivity
8: 2,3,7,8 Tetrachloro-dibenzo-P-dioxin
9: Paint filter

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B8-0.5-1.0-20251023	S		X	10/23	1015	4	X									
2.	B8-0.0-1.0-20251023			X		1030	6		X	X	X	X	X	X	X	X	
3.	B9-0.5-1.0-20251023			X		1140	4	X									
4.	B9-0.0-1.0-20251023			X		1150	3		X	X	X						
5.	B7-1.5-2.0-20251023			X		1340	4	X									
6.	B7-1.0-2.0-20251023			X		1350	3		X	X	X						
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	10-24-25 1417	1.	10-24-25 1417
2.		2.	
3.	10-24-25 1944	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3466 HDRI08
Client Name : HDR, Inc.
Client Contact : Andrew Wadden
Invoice Name : HDR, Inc.
Invoice Contact : Andrew Wadden

Order Date : 10/24/2025 3:18:10 PM
Project Name : PVWC Linear Construction
Receive DateTime : 10/24/2025 ~~12:00:00 AM~~ 7:49 PM
Purchase Order :

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

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3466-01	B8-0.5-1.0-20251023	Solid	10/23/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3466-04	B9-0.5-1.0-20251023	Solid	10/23/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3466-06	B7-1.5-2.0-20251023	Solid	10/23/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 10/27/25 0855

Received By :
Date / Time : 10/27/25 ~~2:55~~ 8:44
Storage Area : **VOA Refridgerator Room** F22