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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:	Q3174	**OrderDate:**	9/24/2025 9:56:00 AM
Client:	G Environmental	**Project:**	Buffington
Contact:	Gary Landis	**Location:**	J33,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3174-01	**RPXY1**	**SOIL**			**09/25/25**			**09/25/25**
			VOC-TCLVOA-10	8260C			09/25/25	
Q3174-02	**SBF1**	**SOIL**			**09/25/25**			**09/25/25**
			VOC-TCLVOA-10	8260C			09/25/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3174

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**RPXY1**								
Q3174-01	RPXY1	SOIL	Chloromethane		59.8		0.91	4.00	ug/Kg
Q3174-01	RPXY1	SOIL	Bromomethane		6.40		0.86	4.00	ug/Kg
Q3174-01	RPXY1	SOIL	Acetone		83.3		3.80	20.0	ug/Kg
Q3174-01	RPXY1	SOIL	Carbon Disulfide		0.96	J	0.85	4.00	ug/Kg
Q3174-01	RPXY1	SOIL	Toluene		0.93	J	0.62	4.00	ug/Kg
			Total Voc :		151				
Q3174-01	RPXY1	SOIL	Methyl Iodide	*	1.40	J	0.73	4.00	ug/Kg
			Total Tics :		1.40				
			Total Concentration:		153				
Client ID:	**SBF1**								
Q3174-02	SBF1	SOIL	Chloromethane		30.7		0.90	3.90	ug/Kg
Q3174-02	SBF1	SOIL	Bromomethane		2.40	J	0.84	3.90	ug/Kg
Q3174-02	SBF1	SOIL	Acetone		9.00	J	3.70	19.6	ug/Kg
Q3174-02	SBF1	SOIL	Chloroform		0.86	J	0.66	3.90	ug/Kg
Q3174-02	SBF1	SOIL	Toluene		1.70	J	0.61	3.90	ug/Kg
Q3174-02	SBF1	SOIL	m/p-Xylenes		1.20	J	0.97	7.90	ug/Kg
			Total Voc :		45.9				
Q3174-02	SBF1	SOIL	Methyl Iodide	*	0.81	J	0.71	3.90	ug/Kg
			Total Tics :		0.81				
			Total Concentration:		46.7				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3174

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3174-01	RPXY1	1,2-Dichloroethane-d4	50	60.9	122		63	155
		Dibromofluoromethane	50	54.1	108		70	134
		Toluene-d8	50	51.4	103		74	123
		4-Bromofluorobenzene	50	57.6	115		17	146
Q3174-02	SBF1	1,2-Dichloroethane-d4	50	59.6	119		63	155
		Dibromofluoromethane	50	53.9	108		70	134
		Toluene-d8	50	51.8	104		74	123
		4-Bromofluorobenzene	50	55.9	112		17	146
VY0925SBL01	VY0925SBL01	1,2-Dichloroethane-d4	50	54.0	108		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	49.0	98		74	123
		4-Bromofluorobenzene	50	54.6	109		17	146
VY0925SBS01	VY0925SBS01	1,2-Dichloroethane-d4	50	47.1	94		63	155
		Dibromofluoromethane	50	48.7	97		70	134
		Toluene-d8	50	49.2	98		74	123
		4-Bromofluorobenzene	50	49.4	99		17	146
VY0925SBSD01	VY0925SBSD01	1,2-Dichloroethane-d4	50	46.0	92		63	155
		Dibromofluoromethane	50	47.4	95		70	134
		Toluene-d8	50	47.6	95		74	123
		4-Bromofluorobenzene	50	48.2	96		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3174 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023365.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0925SBS01	Dichlorodifluoromethane	20	21.4	ug/Kg	107			64	136	
	Chloromethane	20	20.1	ug/Kg	101			52	151	
	Vinyl chloride	20	20.1	ug/Kg	101			56	148	
	Bromomethane	20	20.5	ug/Kg	103			58	141	
	Chloroethane	20	19.8	ug/Kg	99			69	130	
	Trichlorofluoromethane	20	21.3	ug/Kg	106			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	19.0	ug/Kg	95			59	130	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			77	129	
	Methyl Acetate	20	18.4	ug/Kg	92			69	149	
	Methylene Chloride	20	25.0	ug/Kg	125			72	131	
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	19.7	ug/Kg	99			82	123	
	Cyclohexane	20	20.0	ug/Kg	100			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.4	ug/Kg	102			76	129	
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100			82	123	
	Bromochloromethane	20	19.0	ug/Kg	95			80	127	
	Chloroform	20	19.8	ug/Kg	99			82	125	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			80	126	
	Methylcyclohexane	20	20.9	ug/Kg	104			77	123	
	Benzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	19.9	ug/Kg	100			81	126	
	Trichloroethene	20	20.5	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	19.7	ug/Kg	99			83	122	
	Bromodichloromethane	20	19.8	ug/Kg	99			82	123	
	4-Methyl-2-Pentanone	100	98.2	ug/Kg	98			70	135	
	Toluene	20	20.4	ug/Kg	102			83	122	
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	19.5	ug/Kg	98			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	19.7	ug/Kg	99			79	125	
	1,2-Dibromoethane	20	19.9	ug/Kg	100			80	125	
	Tetrachloroethene	20	20.8	ug/Kg	104			83	125	
	Chlorobenzene	20	20.7	ug/Kg	104			84	122	
	Ethyl Benzene	20	21.0	ug/Kg	105			82	124	
	m/p-Xylenes	40	42.0	ug/Kg	105			83	124	
	o-Xylene	20	21.0	ug/Kg	105			83	123	
	Styrene	20	20.7	ug/Kg	104			82	124	
	Bromoform	20	20.5	ug/Kg	103			75	127	
	Isopropylbenzene	20	21.0	ug/Kg	105			82	124	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100			77	127	
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103			83	122	
	1,4-Dichlorobenzene	20	20.4	ug/Kg	102			84	121	
	1,2-Dichlorobenzene	20	20.6	ug/Kg	103			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3174 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023365.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0925SBS01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97			66	134	
	1,2,4-Trichlorobenzene	20	21.5	ug/Kg	108			78	127	
	1,2,3-Trichlorobenzene	20	21.1	ug/Kg	106			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3174 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023366.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0925SBSD01	Dichlorodifluoromethane	20	20.7	ug/Kg	104	3		64	136	20
	Chloromethane	20	20.0	ug/Kg	100	1		52	151	20
	Vinyl chloride	20	20.5	ug/Kg	103	2		56	148	20
	Bromomethane	20	19.9	ug/Kg	100	3		58	141	20
	Chloroethane	20	19.9	ug/Kg	100	1		69	130	20
	Trichlorofluoromethane	20	21.3	ug/Kg	106	0		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99	5		81	123	20
	1,1-Dichloroethene	20	19.8	ug/Kg	99	4		79	121	20
	Acetone	100	120	ug/Kg	120	8		40	171	20
	Carbon disulfide	20	18.7	ug/Kg	94	1		59	130	20
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97	5		77	129	20
	Methyl Acetate	20	18.8	ug/Kg	94	2		69	149	20
	Methylene Chloride	20	24.7	ug/Kg	124	1		72	131	20
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98	3		80	123	20
	1,1-Dichloroethane	20	19.4	ug/Kg	97	2		82	123	20
	Cyclohexane	20	19.3	ug/Kg	97	3		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	19.8	ug/Kg	99	3		76	129	20
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	0		82	123	20
	Bromochloromethane	20	18.5	ug/Kg	93	2		80	127	20
	Chloroform	20	19.4	ug/Kg	97	2		82	125	20
	1,1,1-Trichloroethane	20	19.6	ug/Kg	98	3		80	126	20
	Methylcyclohexane	20	20.2	ug/Kg	101	3		77	123	20
	Benzene	20	19.8	ug/Kg	99	3		84	121	20
	1,2-Dichloroethane	20	19.1	ug/Kg	96	4		81	126	20
	Trichloroethene	20	20.3	ug/Kg	102	1		83	122	20
	1,2-Dichloropropane	20	19.5	ug/Kg	98	1		83	122	20
	Bromodichloromethane	20	19.2	ug/Kg	96	3		82	123	20
	4-Methyl-2-Pentanone	100	96.5	ug/Kg	97	1		70	135	20
	Toluene	20	19.9	ug/Kg	100	2		83	122	20
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98	3		78	124	20
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99	3		81	122	20
	1,1,2-Trichloroethane	20	18.8	ug/Kg	94	4		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	19.4	ug/Kg	97	2		79	125	20
	1,2-Dibromoethane	20	19.0	ug/Kg	95	5		80	125	20
	Tetrachloroethene	20	21.2	ug/Kg	106	2		83	125	20
	Chlorobenzene	20	20.2	ug/Kg	101	3		84	122	20
	Ethyl Benzene	20	20.3	ug/Kg	102	3		82	124	20
	m/p-Xylenes	40	40.8	ug/Kg	102	3		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	1		83	123	20
	Styrene	20	20.1	ug/Kg	101	3		82	124	20
	Bromoform	20	19.6	ug/Kg	98	5		75	127	20
	Isopropylbenzene	20	20.6	ug/Kg	103	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.0	ug/Kg	95	5		77	127	20
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102	1		83	122	20
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100	2		84	121	20
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102	1		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3174 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023366.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0925SBSD01	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100	3		66	134	20
	1,2,4-Trichlorobenzene	20	21.6	ug/Kg	108	0		78	127	20
	1,2,3-Trichlorobenzene	20	20.8	ug/Kg	104	2		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0925SBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3174

Lab File ID: VY023364.D Lab Sample ID: VY0925SBL01

Date Analyzed: 09/25/2025 Time Analyzed: 10:39

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
VY0925SBS01	VY0925SBS01	VY023365.D	09/25/2025
VY0925SBSD01	VY0925SBSD01	VY023366.D	09/25/2025
RPXY1	Q3174-01	VY023372.D	09/25/2025
SBF1	Q3174-02	VY023373.D	09/25/2025

COMMENTS:

Raw Data: **VY023302.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3174

Lab File ID: VY023302.D | BFB Injection Date: 09/08/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 09:07

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	90.6
175	5.0 - 9.0% of mass 174	6.9 (7.6) 1
176	95.0 - 101.0% of mass 174	89.4 (98.7) 1
177	5.0 - 9.0% of mass 176	5.9 (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	VY023303.D	09/08/2025	10:00
VSTDICC010	VSTDICC010	VY023304.D	09/08/2025	10:23
VSTDICC020	VSTDICC020	VY023305.D	09/08/2025	11:01
VSTDICCC050	VSTDICCC050	VY023306.D	09/08/2025	11:23
VSTDICC100	VSTDICC100	VY023307.D	09/08/2025	11:46
VSTDICC150	VSTDICC150	VY023308.D	09/08/2025	12:08

Raw Data: **VY023362.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3174
Lab File ID: VY023362.D
BFB Injection Date: 09/25/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 09:30
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	49.9
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	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	90.2
175	5.0 - 9.0% of mass 174	6.7 (7.4) 1
176	95.0 - 101.0% of mass 174	86.1 (95.5) 1
177	5.0 - 9.0% of mass 176	5.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023363.D	09/25/2025	10:02
VY0925SBL01	VY0925SBL01	VY023364.D	09/25/2025	10:39
VY0925SBS01	VY0925SBS01	VY023365.D	09/25/2025	11:17
VY0925SBSD01	VY0925SBSD01	VY023366.D	09/25/2025	11:40
RPXY1	Q3174-01	VY023372.D	09/25/2025	14:32
SBF1	Q3174-02	VY023373.D	09/25/2025	14:56

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3174

Lab File ID: VY023363.D Date Analyzed: 09/25/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:02

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	631796	7.71	940041	8.62	821307	11.41
UPPER LIMIT	1263590	8.207	1880080	9.116	1642610	11.914
LOWER LIMIT	315898	7.207	470021	8.116	410654	10.914
EPA SAMPLE NO.						
RPXY1	636134	7.71	1166329	8.62	1147896	11.41
SBF1	616227	7.71	1138197	8.62	1103007	11.41
VY0925SBL01	701667	7.71	1240929	8.62	1153810	11.41
VY0925SBS01	598680	7.71	900176	8.62	766959	11.41
VY0925SBSD01	592925	7.71	889198	8.62	770961	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: GENV01

Lab Code: ACE SDG NO.: Q3174

Lab File ID: VY023363.D Date Analyzed: 09/25/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:02

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

	IS4 AREA #	RT #				
12 HOUR STD	424523	13.347				
UPPER LIMIT	849046	13.847				
LOWER LIMIT	212262	12.847				
EPA SAMPLE NO.						
RPXY1	537673	13.35				
SBF1	505673	13.35				
VY0925SBL01	541851	13.35				
VY0925SBS01	395796	13.35				
VY0925SBSD01	390902	13.34				

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: **VY023372.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	09/25/25
Project:	Buffington	Date Received:	09/25/25
Client Sample ID:	RPXY1	SDG No.:	Q3174
Lab Sample ID:	Q3174-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	7.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023372.D	1	09/25/25 14:32	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.91	U	0.91	4.00	ug/Kg
74-87-3	Chloromethane	59.8		0.91	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	6.40		0.86	4.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.97	U	0.97	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	4.00	ug/Kg
67-64-1	Acetone	83.3		3.80	20.0	ug/Kg
75-15-0	Carbon Disulfide	0.96	J	0.85	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.00	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	4.00	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	20.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.00	ug/Kg
74-97-5	Bromochloromethane	0.92	U	0.92	4.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.00	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.0	ug/Kg
108-88-3	Toluene	0.93	J	0.62	4.00	ug/Kg

Raw Data: **VY023372.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	09/25/25
Project:	Buffington	Date Received:	09/25/25
Client Sample ID:	RPXY1	SDG No.:	Q3174
Lab Sample ID:	Q3174-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	7.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023372.D	1	09/25/25 14:32	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.0	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.00	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.00	ug/Kg
179601-23-1	m/p-Xylenes	0.99	U	0.99	8.00	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.00	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.00	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.62	U	0.62	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.9		63 - 155	122%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		70 - 134	108%	SPK: 50
2037-26-5	Toluene-d8	51.4		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6		17 - 146	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	636000	7.707			
540-36-3	1,4-Difluorobenzene	1170000	8.616			
3114-55-4	Chlorobenzene-d5	1150000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	538000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY023372.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	09/25/25
Project:	Buffington	Date Received:	09/25/25
Client Sample ID:	RPXY1	SDG No.:	Q3174
Lab Sample ID:	Q3174-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	7.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023372.D	1	09/25/25 14:32	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
74-88-4	Methyl Iodide	1.40	J		4.00	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023372.D
Acq On : 25 Sep 2025 14:32
Operator : SY/MD
Sample : Q3174-01
Misc : 7.31g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Quant Time: Sep 26 04:24:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

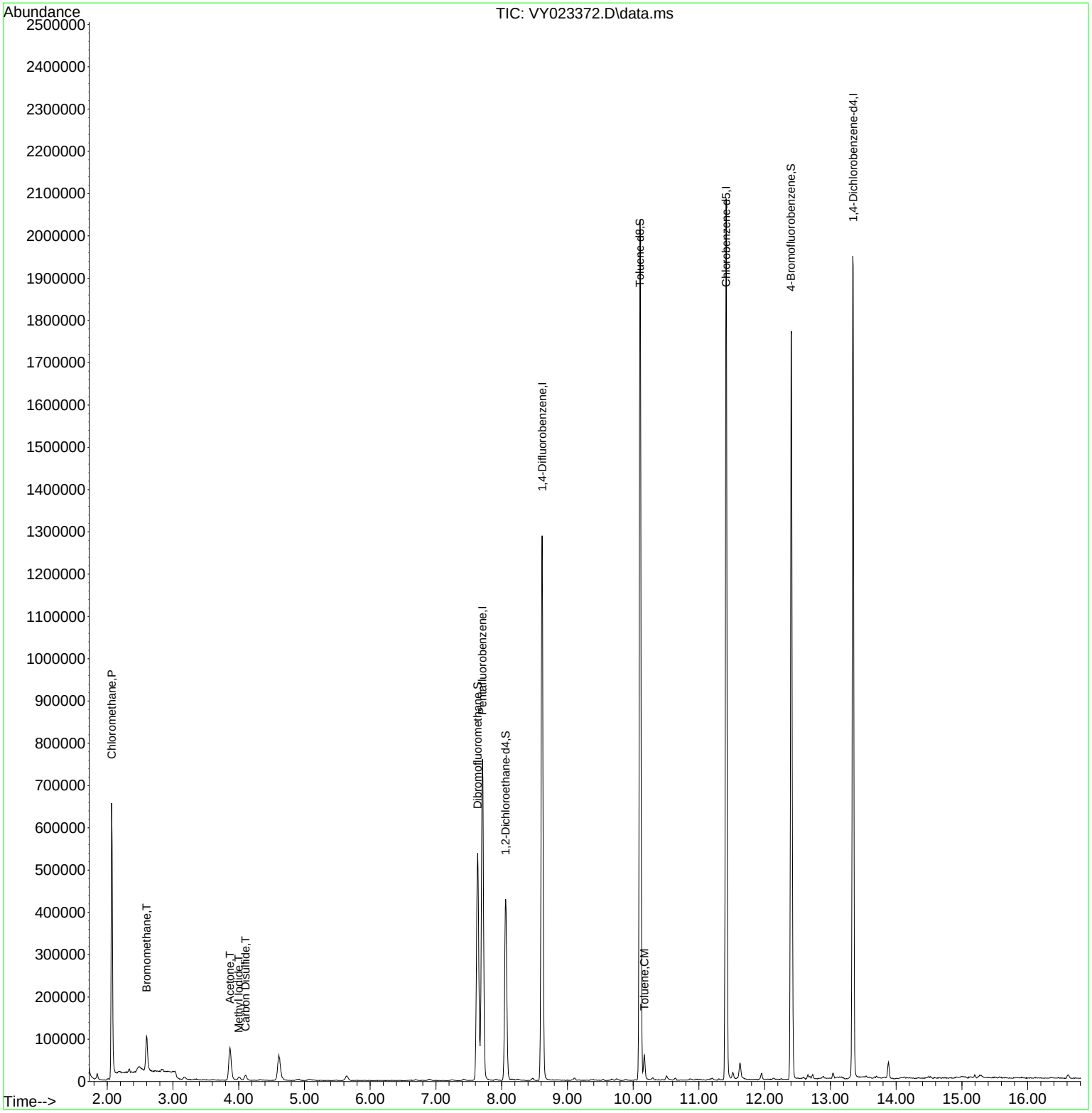
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	636134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1166329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1147896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	537673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	340666	60.944	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.880%			
35) Dibromofluoromethane	7.634	113	385608	54.087	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.180%			
50) Toluene-d8	10.103	98	1382806	51.366	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.402	95	487868	57.586	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.180%			
Target Compounds						Qvalue
3) Chloromethane	2.068	50	545577	74.707	ug/l	97
5) Bromomethane	2.598	94	60358	8.035	ug/l	100
10) Methyl Iodide	4.001	142	12571	1.726	ug/l	96
16) Acetone	3.866	43	132382	103.971	ug/l	98
17) Carbon Disulfide	4.104	76	22682	1.193	ug/l	97
52) Toluene	10.170	92	23284	1.162	ug/l	97

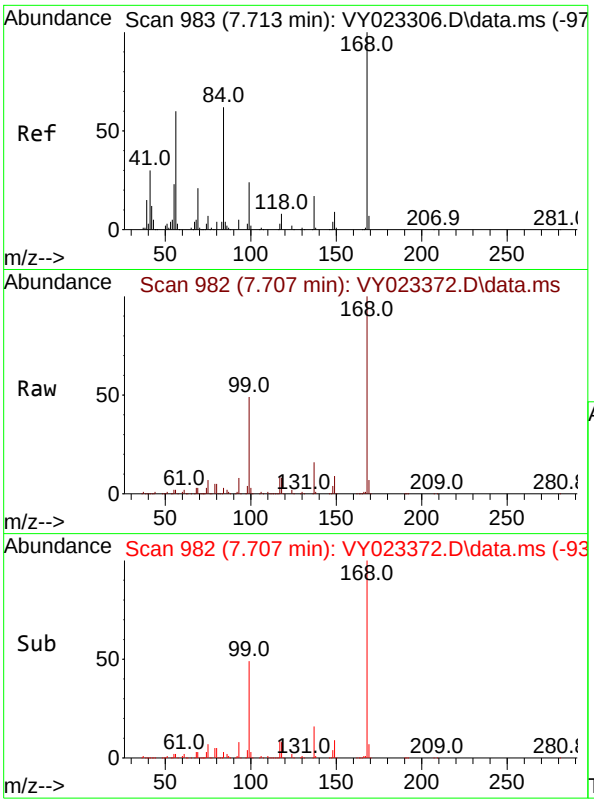
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023372.D
Acq On : 25 Sep 2025 14:32
Operator : SY/MD
Sample : Q3174-01
Misc : 7.31g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Quant Time: Sep 26 04:24:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration



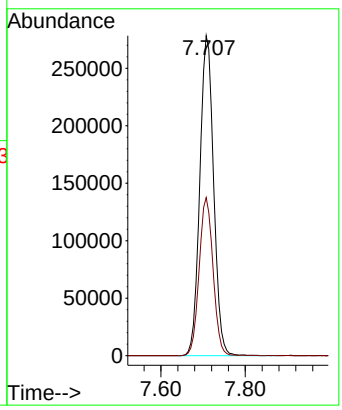


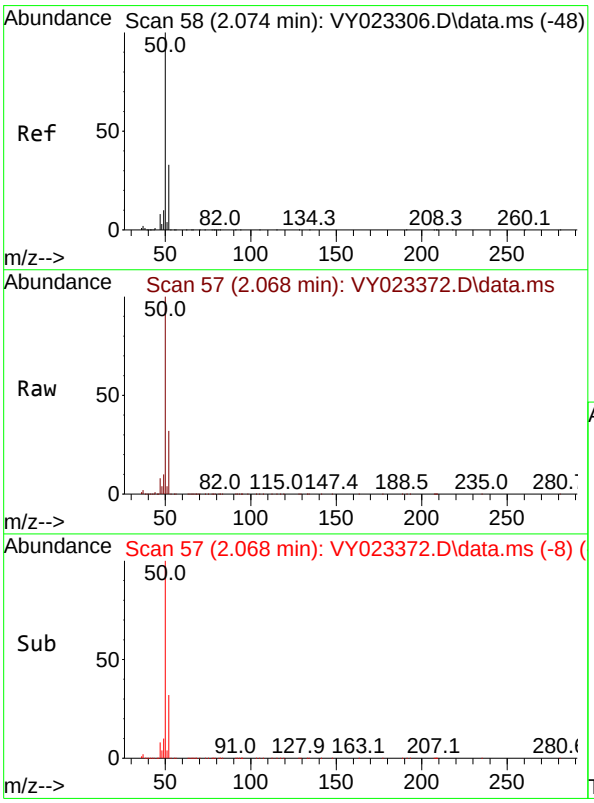
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Tgt Ion:168 Resp: 636134

Ion	Ratio	Lower	Upper
168	100		
99	49.4	42.8	64.2

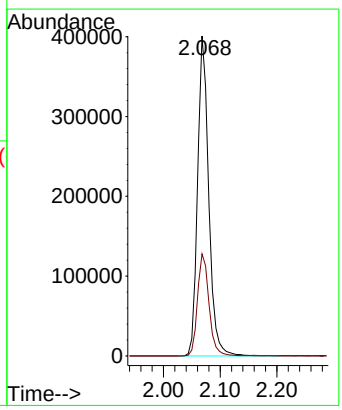


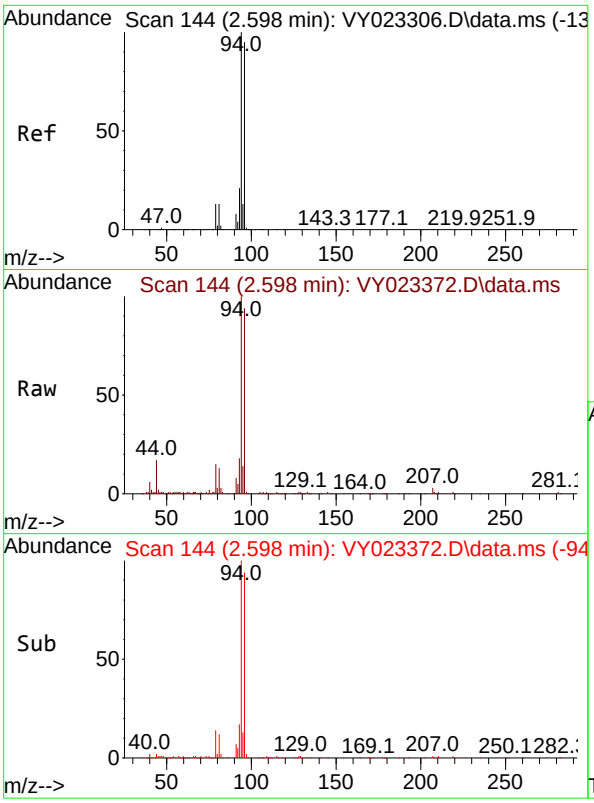


#3
Chloromethane
Concen: 74.707 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion: 50 Resp: 545577

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.7	40.1



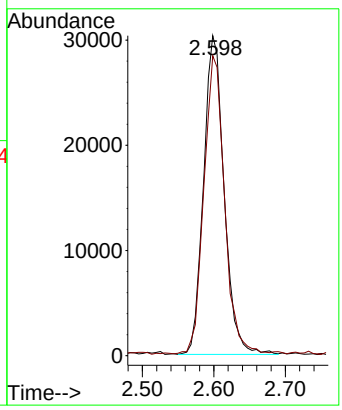


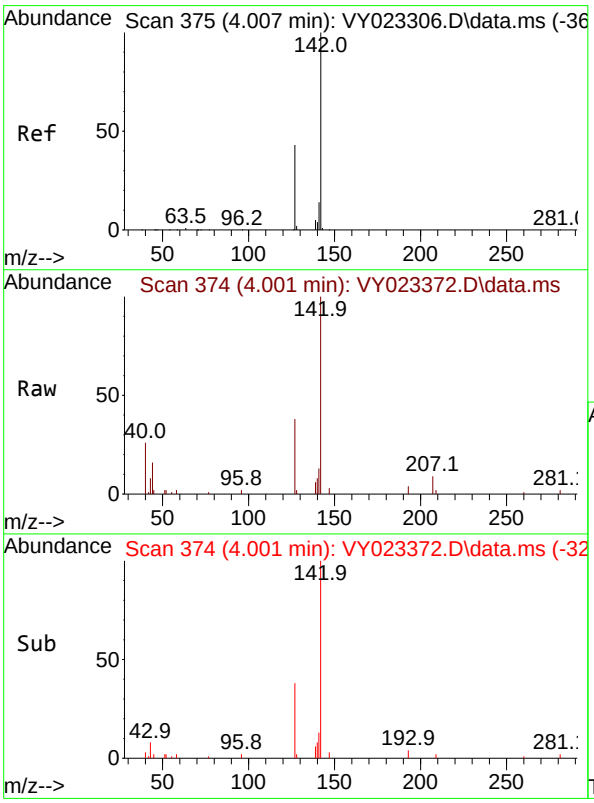
#5
Bromomethane
Concen: 8.035 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Tgt Ion: 94 Resp: 60358

Ion	Ratio	Lower	Upper
94	100		
96	93.4	74.6	112.0

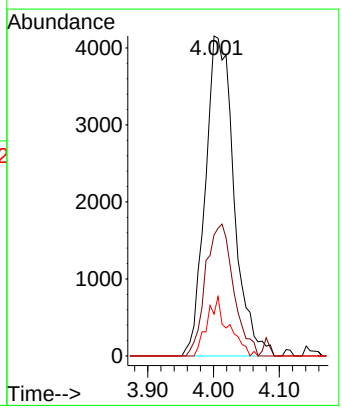


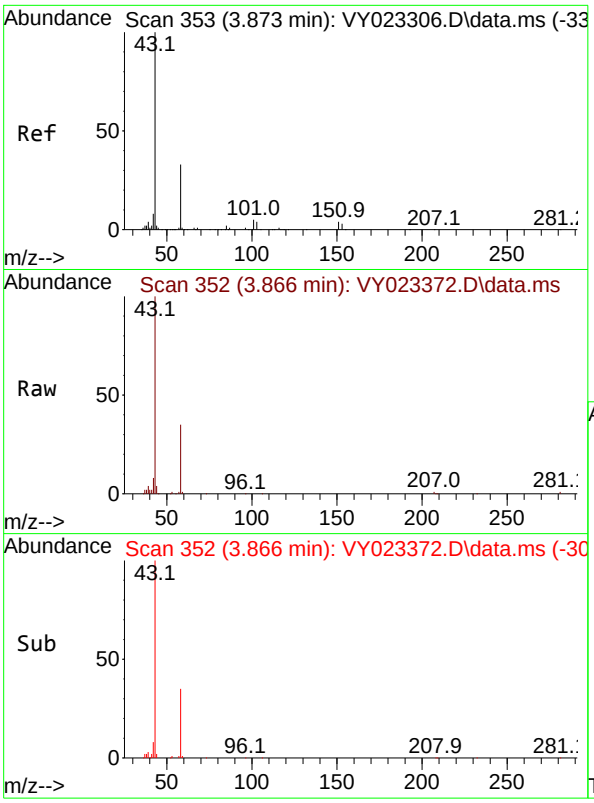


#10
Methyl Iodide
Concen: 1.726 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion:142 Resp: 12571

Ion	Ratio	Lower	Upper
142	100		
127	40.2	34.9	52.3
141	13.9	11.3	16.9



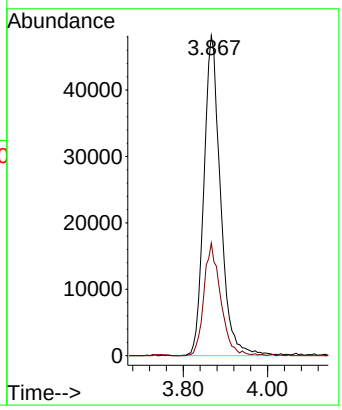


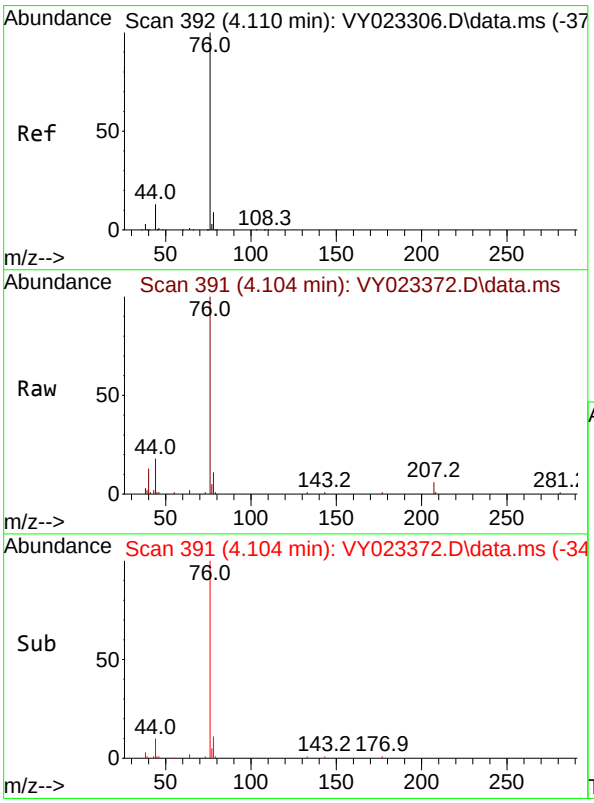
#16
Acetone
Concen: 103.971 ug/l
RT: 3.866 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Tgt Ion: 43 Resp: 132382

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.1	40.7

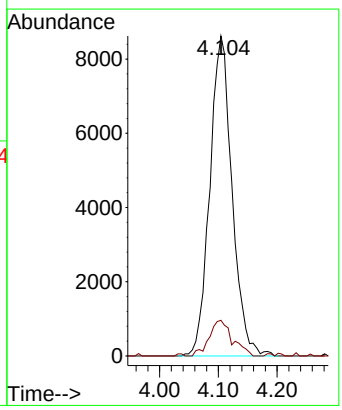


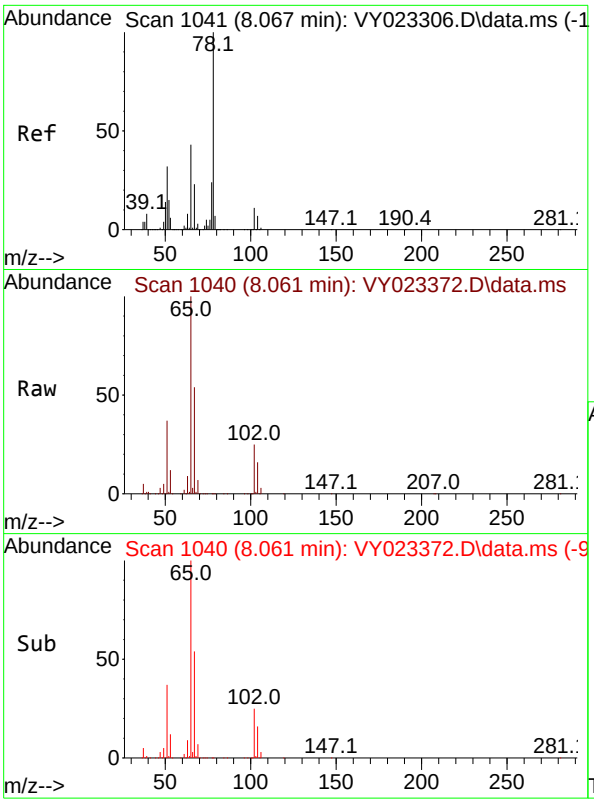


#17
Carbon Disulfide
Concen: 1.193 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion: 76 Resp: 22682

Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.4	11.2



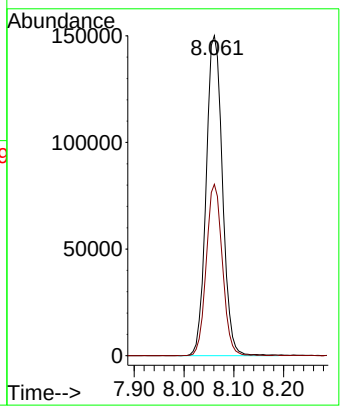


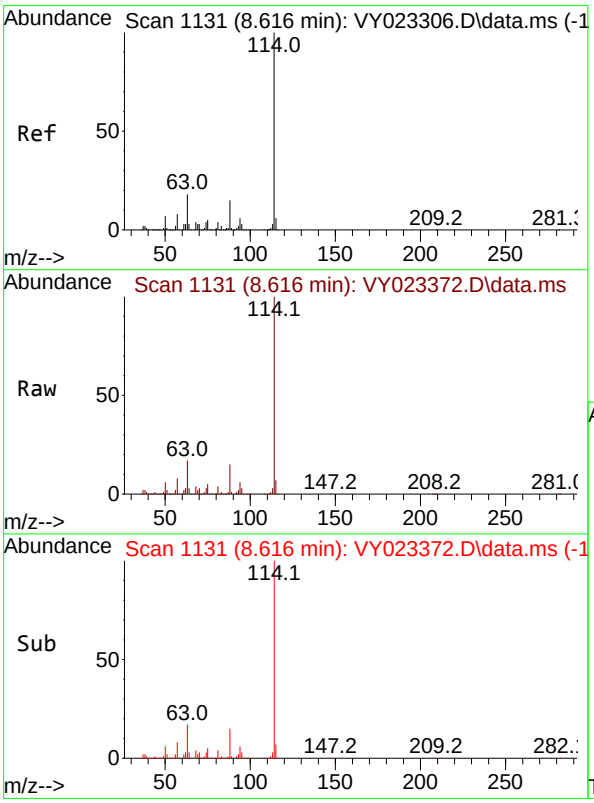
#33
1,2-Dichloroethane-d4
Concen: 60.944 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Tgt Ion: 65 Resp: 340666

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.8

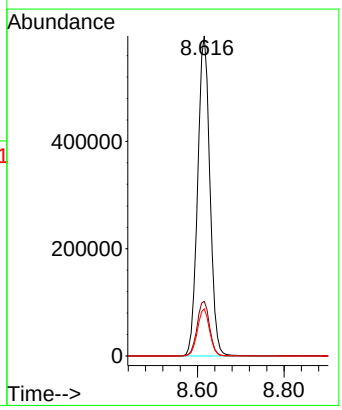


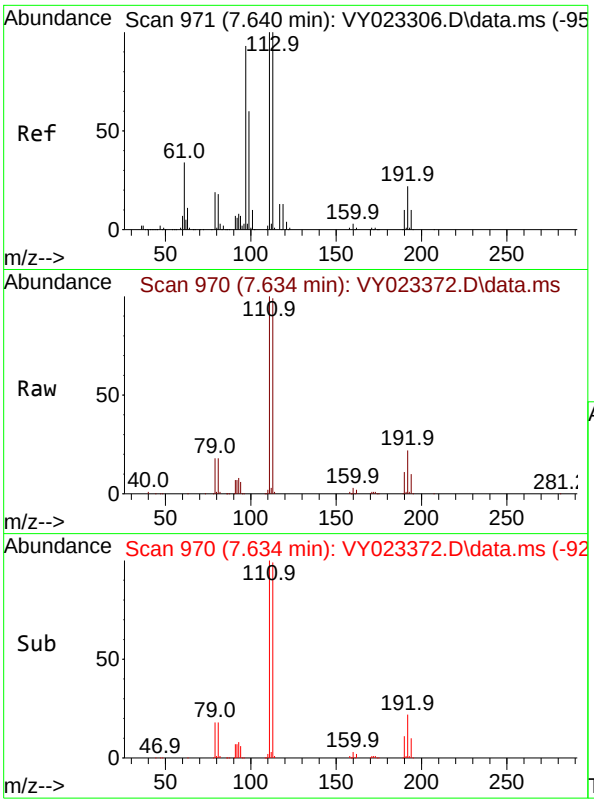


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion:114 Resp: 1166329

Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	38.4
88	14.7	0.0	30.0



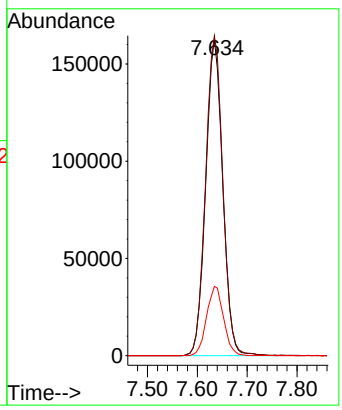


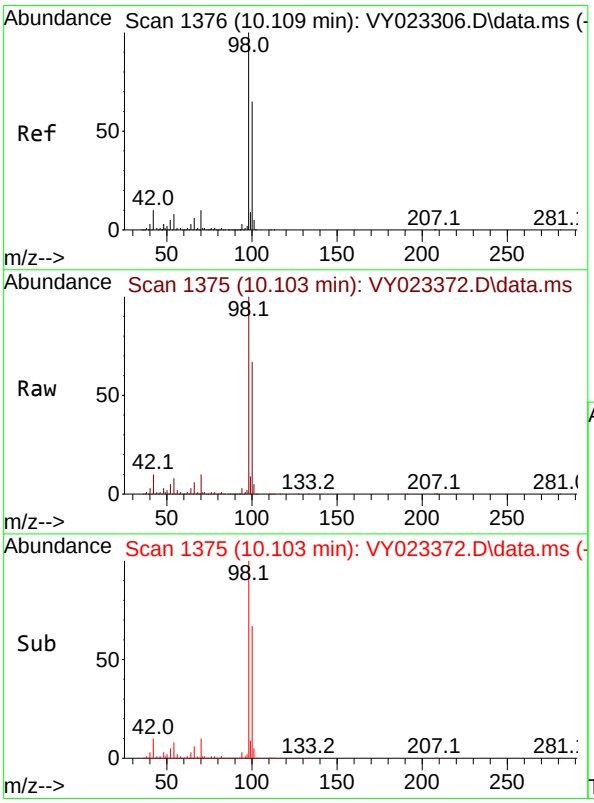
#35
Dibromofluoromethane
Concen: 54.087 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Tgt Ion:113 Resp: 385608

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	21.9	16.2	24.4

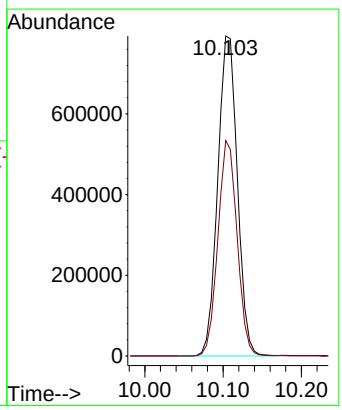


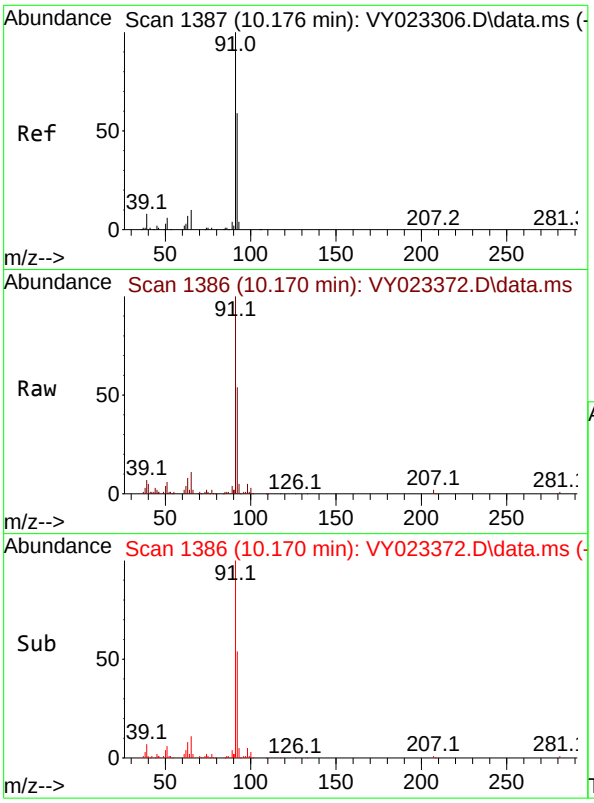


#50
Toluene-d8
Concen: 51.366 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion: 98 Resp: 1382806

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.3	78.5



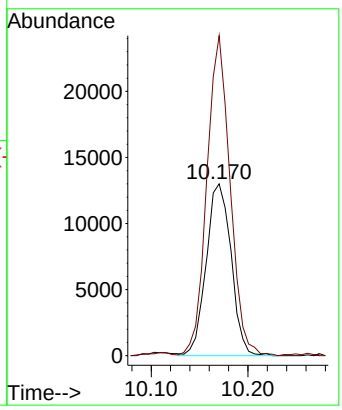


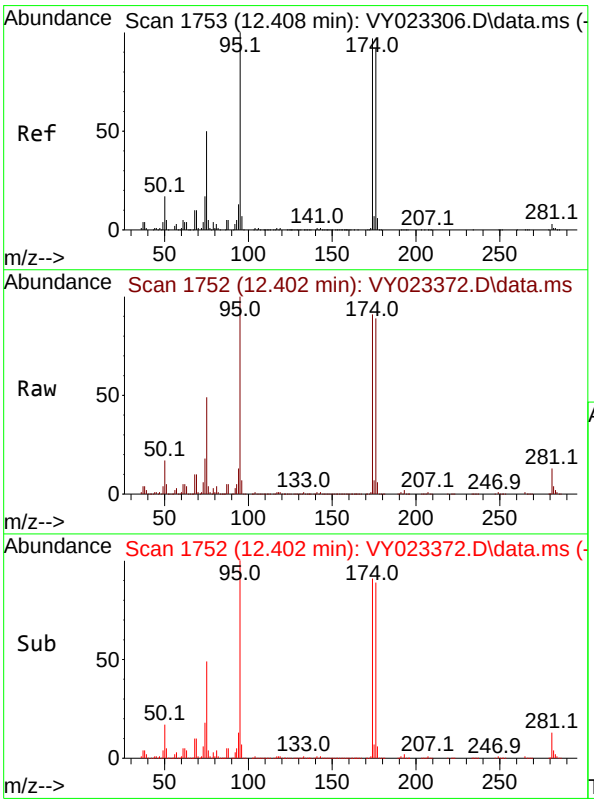
#52
Toluene
Concen: 1.162 ug/l
RT: 10.170 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Tgt Ion: 92 Resp: 23284

Ion	Ratio	Lower	Upper
92	100		
91	174.0	136.4	204.6

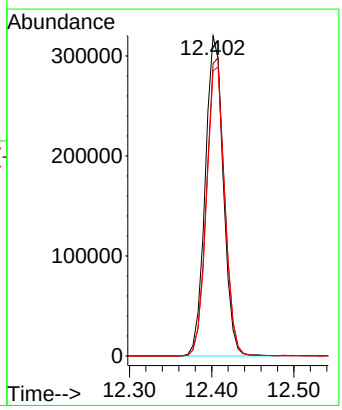


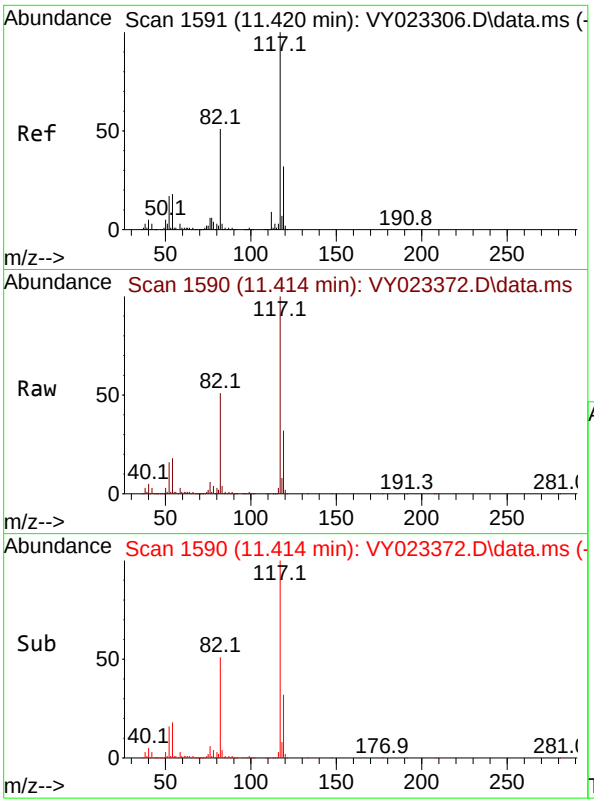


#62
4-Bromofluorobenzene
Concen: 57.586 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion: 95 Resp: 487868

Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	171.6
176	91.7	0.0	167.6



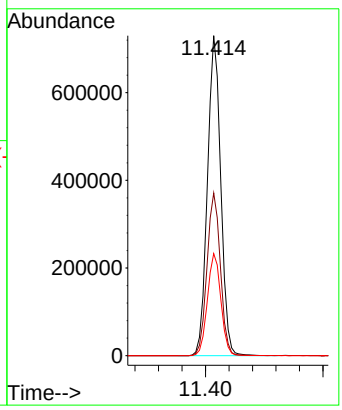


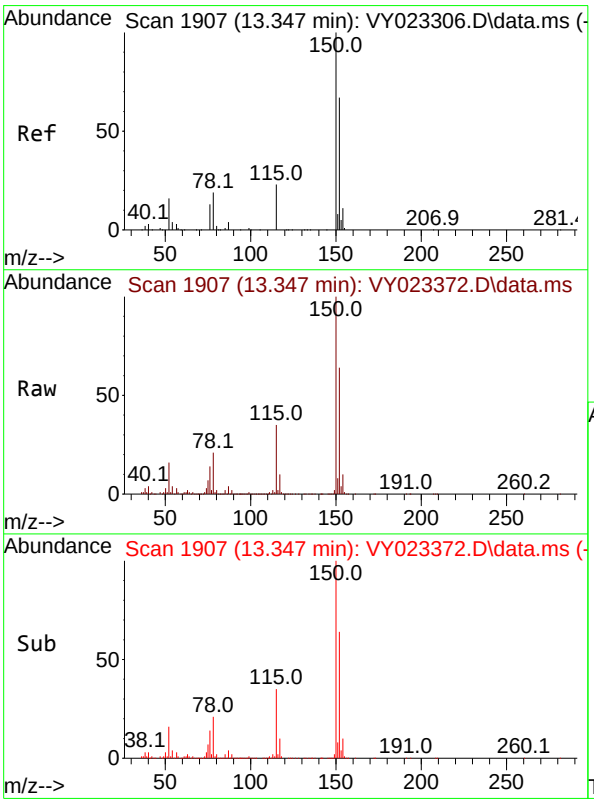
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Tgt Ion:117 Resp: 1147896

Ion	Ratio	Lower	Upper
117	100		
82	50.9	43.4	65.0
119	31.9	25.6	38.4

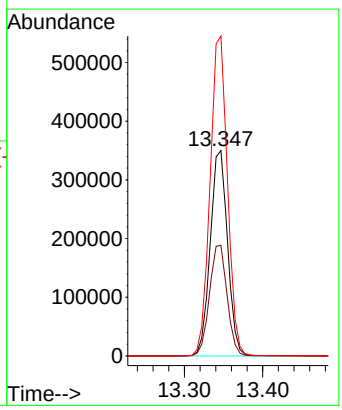




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion:152 Resp: 537673

Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.2	84.6
150	156.2	0.0	348.0



Sample Results: **VY023372.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023372.D
Acq On : 25 Sep 2025 14:32
Operator : SY/MD
Sample : Q3174-01
Misc : 7.31g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

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\82Y090825S.M
Title : SW846 8260

Signal : TIC: VY023372.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.068	51	57	66	rBV	653352	928151	26.25%	4.358%
2	2.598	138	144	153	rVB2	81694	166229	4.70%	0.780%
3	3.867	342	352	367	rBV	76739	211675	5.99%	0.994%
4	4.610	462	474	491	rVB2	59819	184571	5.22%	0.867%
5	5.641	633	643	655	rVB5	11127	36673	1.04%	0.172%
6	7.634	958	970	976	rBV	537604	1293406	36.58%	6.073%
7	7.707	976	982	996	rVB	757608	1739712	49.20%	8.168%
8	8.061	1028	1040	1052	rBV	428954	973187	27.52%	4.569%
9	8.616	1120	1131	1143	rBV	1288685	2543017	71.92%	11.939%
10	10.103	1367	1375	1382	rBV	2035016	3535685	100.00%	16.600%
11	10.170	1382	1386	1400	rVB	57961	106441	3.01%	0.500%
12	11.414	1580	1590	1601	rBV	2084543	3313829	93.73%	15.558%
13	11.627	1619	1625	1637	rVB	37773	82478	2.33%	0.387%
14	12.408	1745	1753	1765	rBV2	1769537	3042908	86.06%	14.286%
15	13.340	1892	1906	1918	rBV	1945871	3071888	86.88%	14.423%
16	13.883	1988	1995	2003	rVB2	38795	69346	1.96%	0.326%

Sum of corrected areas: 21299196

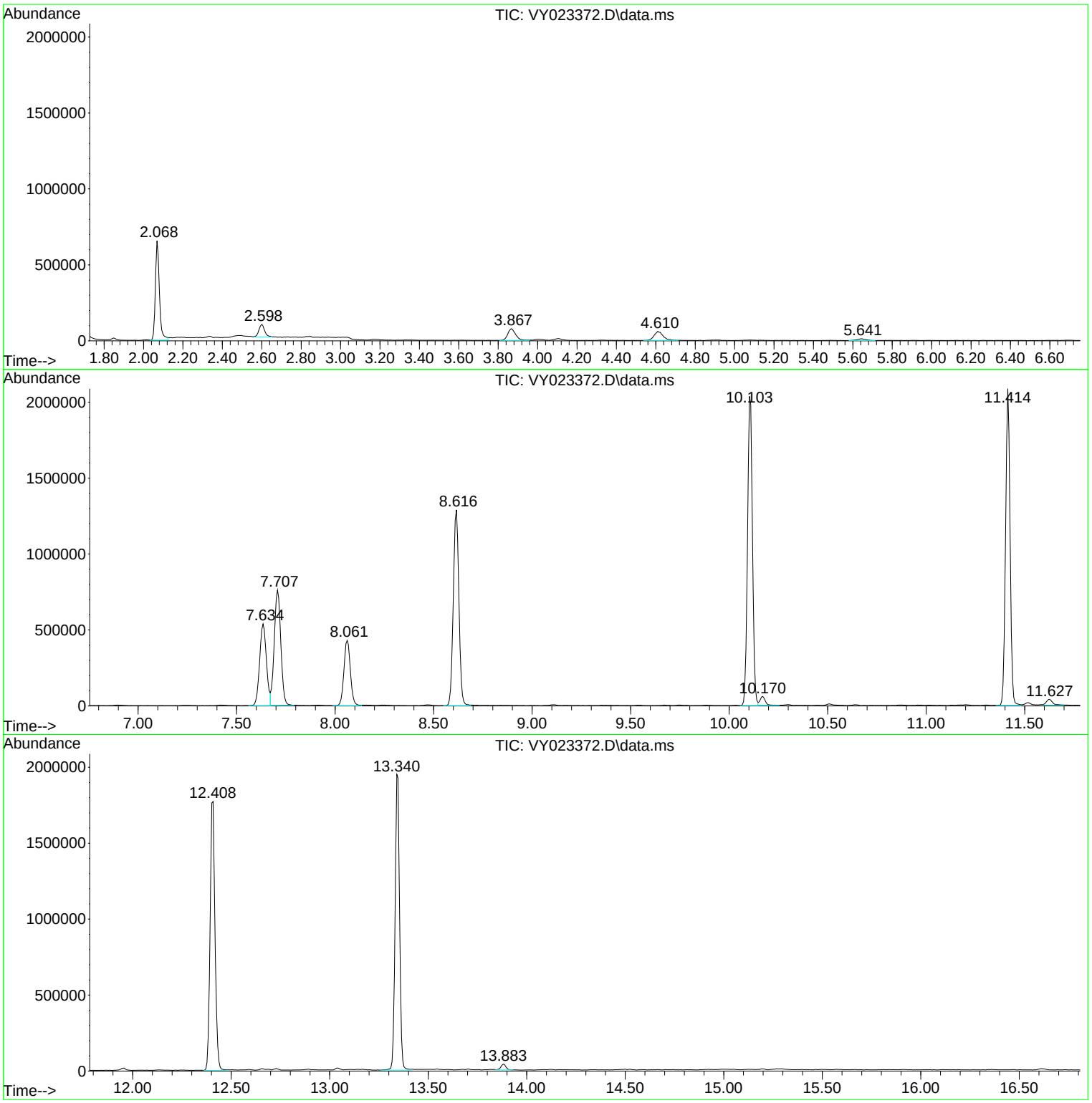
Sample Results: **VY023372.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023372.D
Acq On : 25 Sep 2025 14:32
Operator : SY/MD
Sample : Q3174-01
Misc : 7.31g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023372.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023372.D
Acq On : 25 Sep 2025 14:32
Operator : SY/MD
Sample : Q3174-01
Misc : 7.31g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.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\VY092525\
Data File : VY023372.D
Acq On : 25 Sep 2025 14:32
Operator : SY/MD
Sample : Q3174-01
Misc : 7.31g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.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: **VY023373.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	09/25/25
Project:	Buffington	Date Received:	09/25/25
Client Sample ID:	SBF1	SDG No.:	Q3174
Lab Sample ID:	Q3174-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.5
Sample Wt/Vol:	7.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023373.D	1	09/25/25 14:56	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.90	U	0.90	3.90	ug/Kg
74-87-3	Chloromethane	30.7		0.90	3.90	ug/Kg
75-01-4	Vinyl Chloride	0.62	U	0.62	3.90	ug/Kg
74-83-9	Bromomethane	2.40	J	0.84	3.90	ug/Kg
75-00-3	Chloroethane	0.99	U	0.99	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.95	U	0.95	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.83	U	0.83	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.79	U	0.79	3.90	ug/Kg
67-64-1	Acetone	9.00	J	3.70	19.6	ug/Kg
75-15-0	Carbon Disulfide	0.83	U	0.83	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.57	U	0.57	3.90	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.90	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.68	U	0.68	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	3.90	ug/Kg
110-82-7	Cyclohexane	0.62	U	0.62	3.90	ug/Kg
78-93-3	2-Butanone	5.10	U	5.10	19.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	U	0.76	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	3.90	ug/Kg
74-97-5	Bromochloromethane	0.90	U	0.90	3.90	ug/Kg
67-66-3	Chloroform	0.86	J	0.66	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.73	U	0.73	3.90	ug/Kg
108-87-2	Methylcyclohexane	0.71	U	0.71	3.90	ug/Kg
71-43-2	Benzene	0.62	U	0.62	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.62	U	0.62	3.90	ug/Kg
79-01-6	Trichloroethene	0.64	U	0.64	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.71	U	0.71	3.90	ug/Kg
75-27-4	Bromodichloromethane	0.61	U	0.61	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.80	U	2.80	19.6	ug/Kg
108-88-3	Toluene	1.70	J	0.61	3.90	ug/Kg

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

Report of Analysis

Client:	G Environmental	Date Collected:	09/25/25
Project:	Buffington	Date Received:	09/25/25
Client Sample ID:	SBF1	SDG No.:	Q3174
Lab Sample ID:	Q3174-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.5
Sample Wt/Vol:	7.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023373.D	1	09/25/25 14:56	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.51	U	0.51	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.72	U	0.72	3.90	ug/Kg
591-78-6	2-Hexanone	2.90	U	2.90	19.6	ug/Kg
124-48-1	Dibromochloromethane	0.68	U	0.68	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.69	U	0.69	3.90	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	3.90	ug/Kg
108-90-7	Chlorobenzene	0.71	U	0.71	3.90	ug/Kg
100-41-4	Ethyl Benzene	0.53	U	0.53	3.90	ug/Kg
179601-23-1	m/p-Xylenes	1.20	J	0.97	7.90	ug/Kg
95-47-6	o-Xylene	0.64	U	0.64	3.90	ug/Kg
100-42-5	Styrene	0.56	U	0.56	3.90	ug/Kg
75-25-2	Bromoform	0.68	U	0.68	3.90	ug/Kg
98-82-8	Isopropylbenzene	0.61	U	0.61	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U	0.95	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	3.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.6		63 - 155	119%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		70 - 134	108%	SPK: 50
2037-26-5	Toluene-d8	51.8		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		17 - 146	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	616000	7.707			
540-36-3	1,4-Difluorobenzene	1140000	8.616			
3114-55-4	Chlorobenzene-d5	1100000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	506000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	G Environmental	Date Collected:	09/25/25
Project:	Buffington	Date Received:	09/25/25
Client Sample ID:	SBF1	SDG No.:	Q3174
Lab Sample ID:	Q3174-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.5
Sample Wt/Vol:	7.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023373.D	1	09/25/25 14:56	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
74-88-4	Methyl Iodide	0.81	J		4.00	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023373.D
Acq On : 25 Sep 2025 14:56
Operator : SY/MD
Sample : Q3174-02
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Quant Time: Sep 26 04:24:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

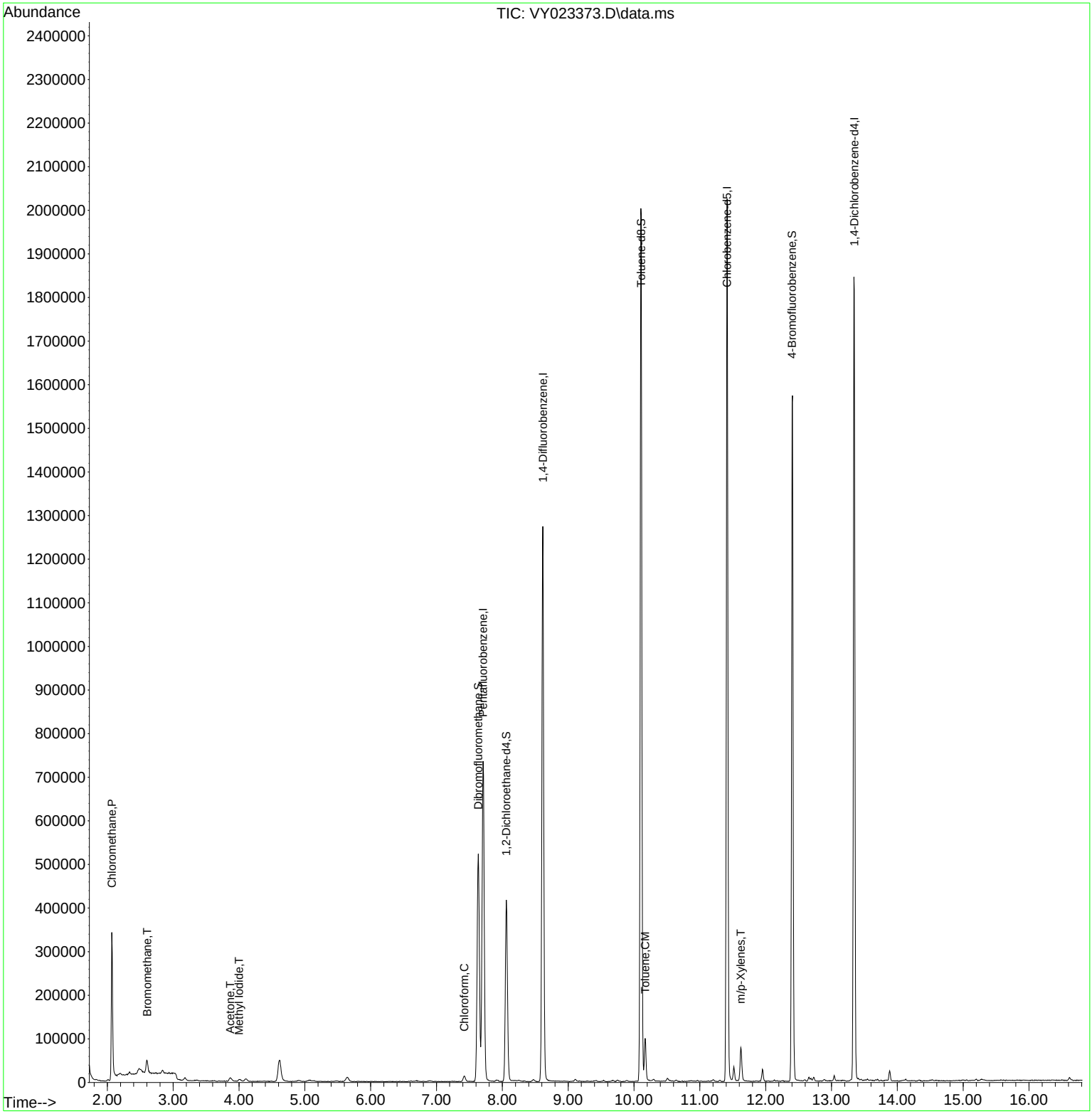
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	616227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1138197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1103007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	505673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	322696	59.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.180%			
35) Dibromofluoromethane	7.634	113	375231	53.933	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.860%			
50) Toluene-d8	10.109	98	1360036	51.768	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.540%			
62) 4-Bromofluorobenzene	12.402	95	462048	55.887	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.780%			
Target Compounds						Qvalue
3) Chloromethane	2.068	50	276761	39.122	ug/l	97
5) Bromomethane	2.605	94	21921	3.012	ug/l	98
10) Methyl Iodide	4.001	142	7289	1.033	ug/l #	93
16) Acetone	3.866	43	14066	11.404	ug/l	94
30) Chloroform	7.421	83	12538	1.090	ug/l	83
52) Toluene	10.170	92	41835	2.140	ug/l	99
68) m/p-Xylenes	11.621	106	23834	1.508	ug/l	100

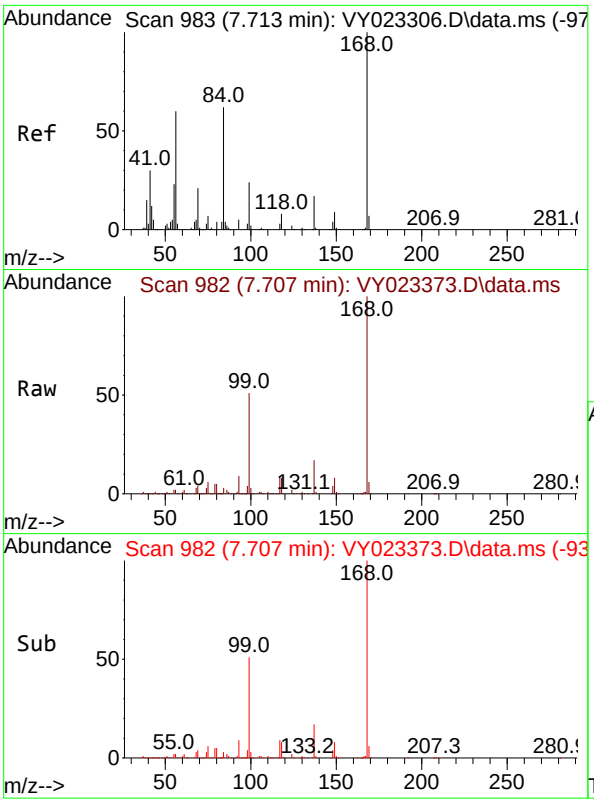
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023373.D
Acq On : 25 Sep 2025 14:56
Operator : SY/MD
Sample : Q3174-02
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Quant Time: Sep 26 04:24:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration



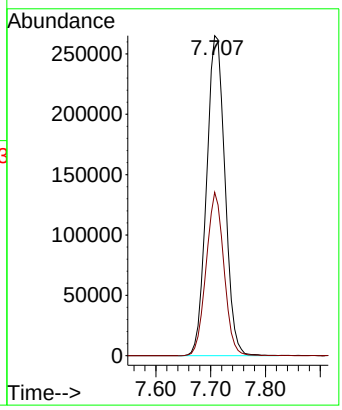


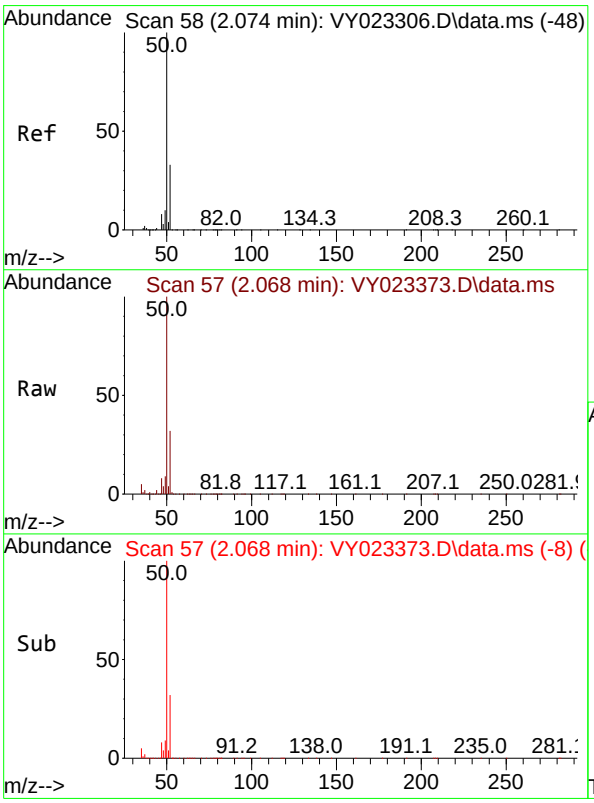
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Tgt Ion:168 Resp: 616227

Ion	Ratio	Lower	Upper
168	100		
99	51.1	42.8	64.2

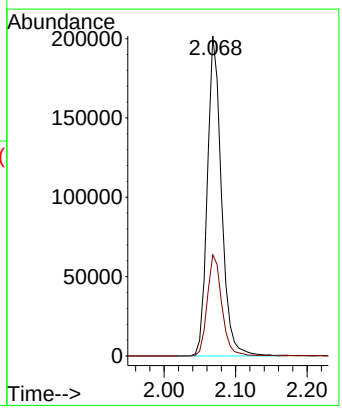


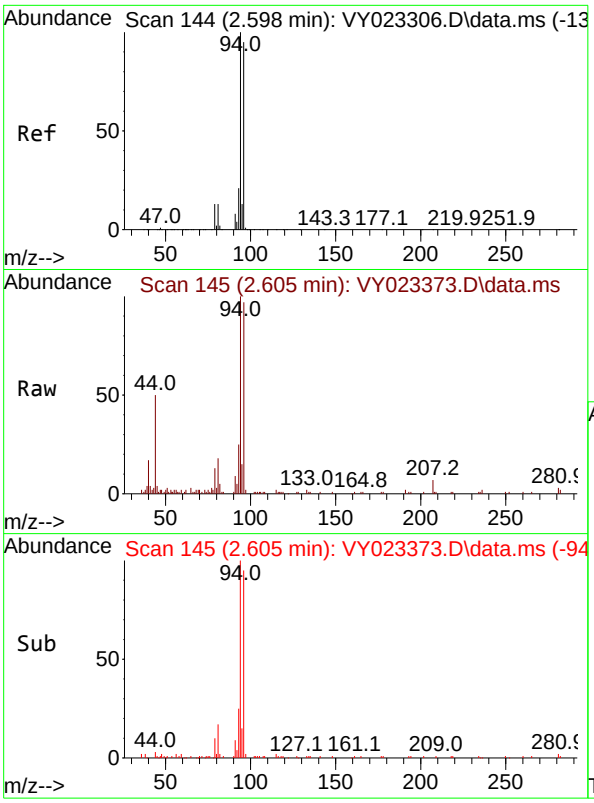


#3
Chloromethane
Concen: 39.122 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Tgt Ion: 50 Resp: 276761

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.7	40.1



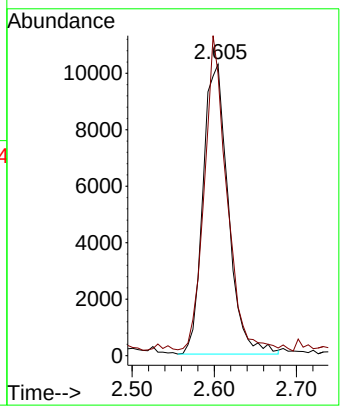


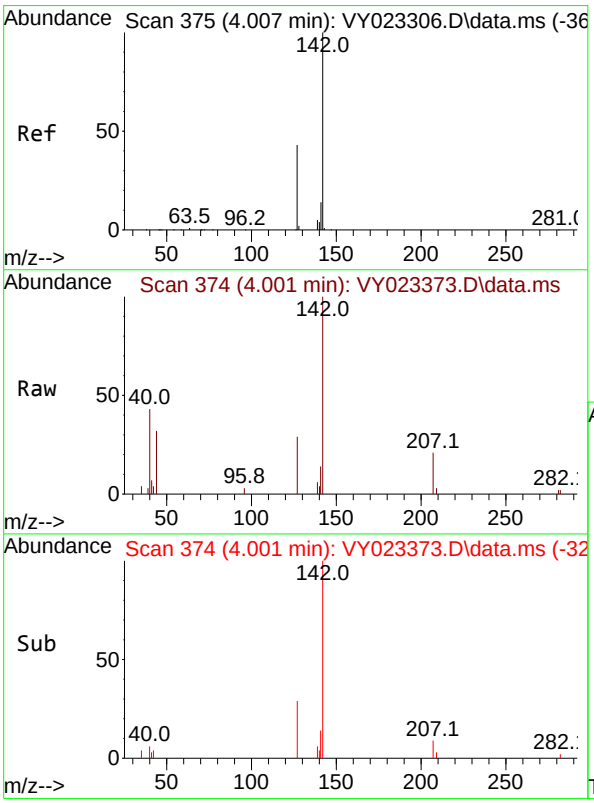
#5
Bromomethane
Concen: 3.012 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Tgt Ion: 94 Resp: 21921

Ion	Ratio	Lower	Upper
94	100		
96	95.3	74.6	112.0

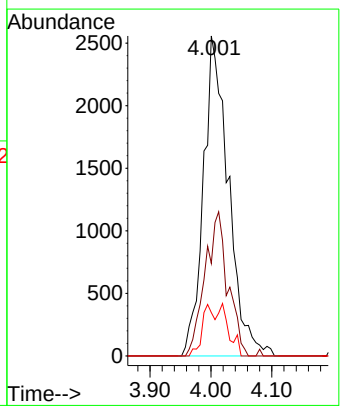


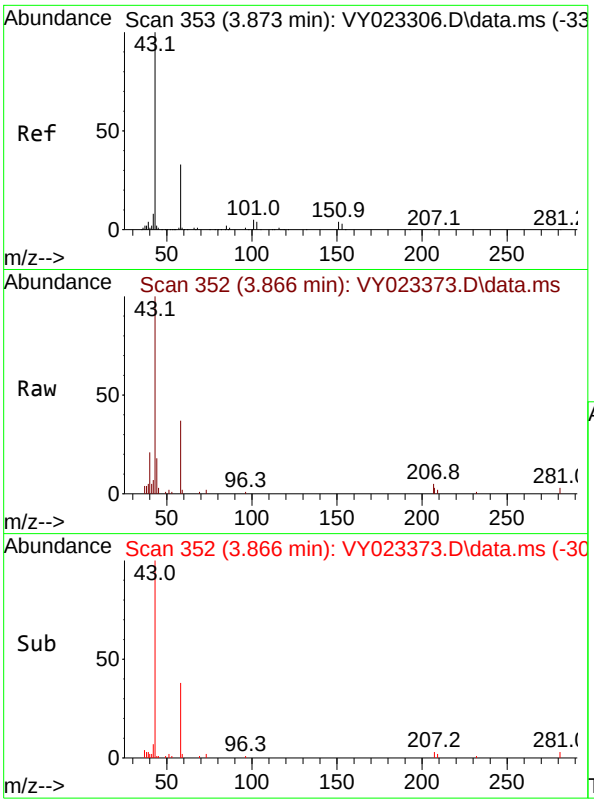


#10
Methyl Iodide
Concen: 1.033 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Tgt Ion:142 Resp: 7289

Ion	Ratio	Lower	Upper
142	100		
127	41.0	34.9	52.3
141	8.0	11.3	16.9#



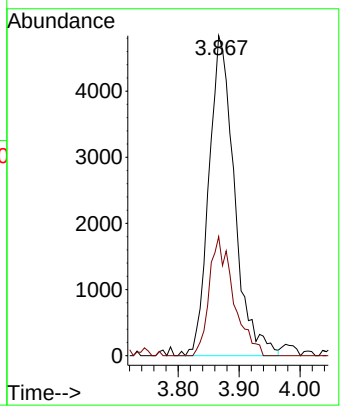


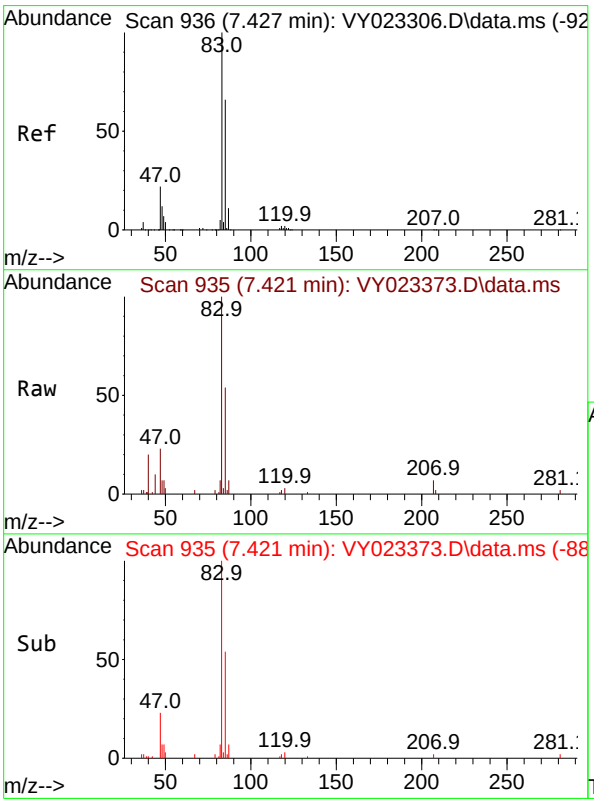
#16
Acetone
Concen: 11.404 ug/l
RT: 3.866 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Tgt Ion: 43 Resp: 14066

Ion	Ratio	Lower	Upper
43	100		
58	37.2	27.1	40.7

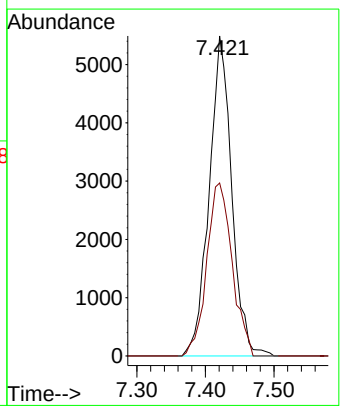


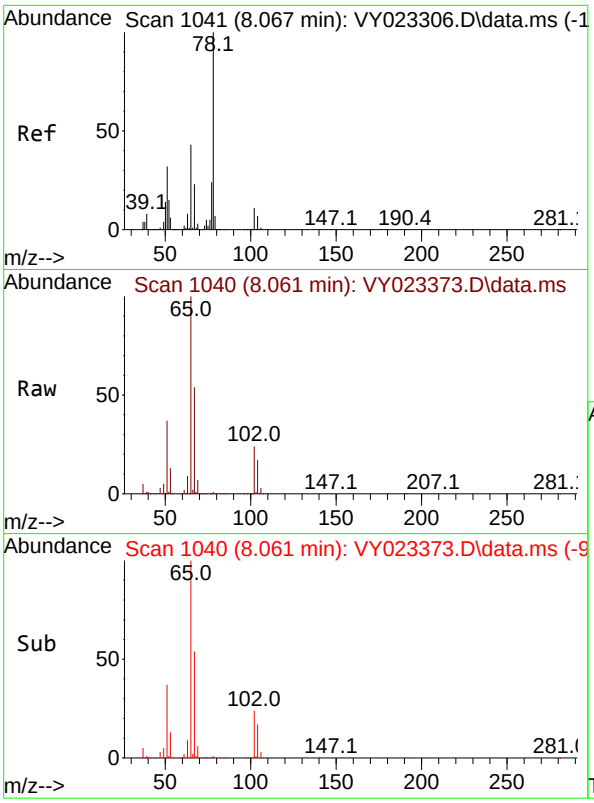


#30
Chloroform
Concen: 1.090 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Tgt Ion: 83 Resp: 12538

Ion	Ratio	Lower	Upper
83	100		
85	54.0	53.8	80.8



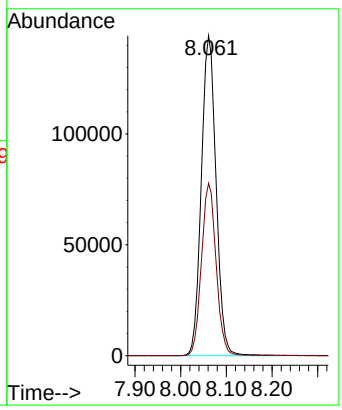


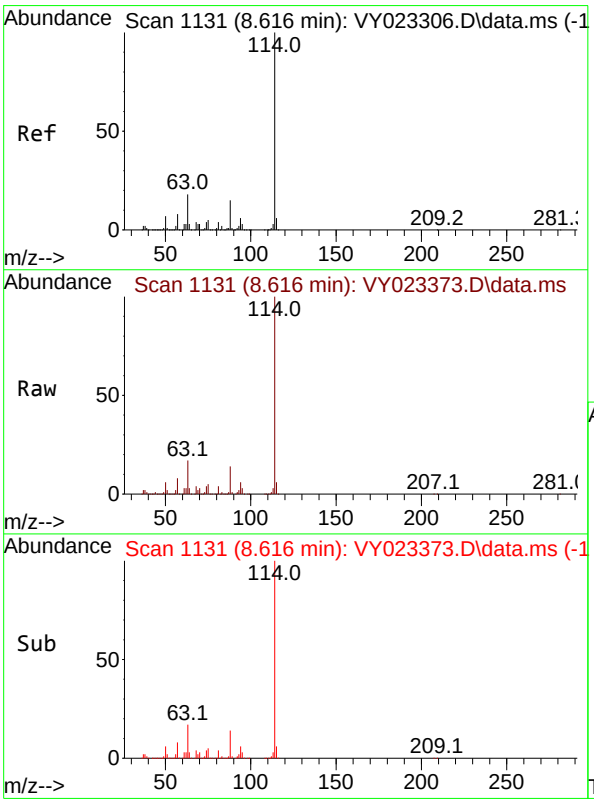
#33
1,2-Dichloroethane-d4
Concen: 59.594 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Tgt Ion: 65 Resp: 322696

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.8

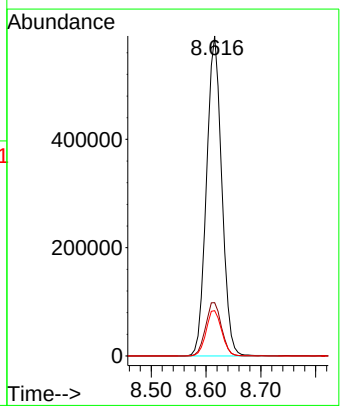


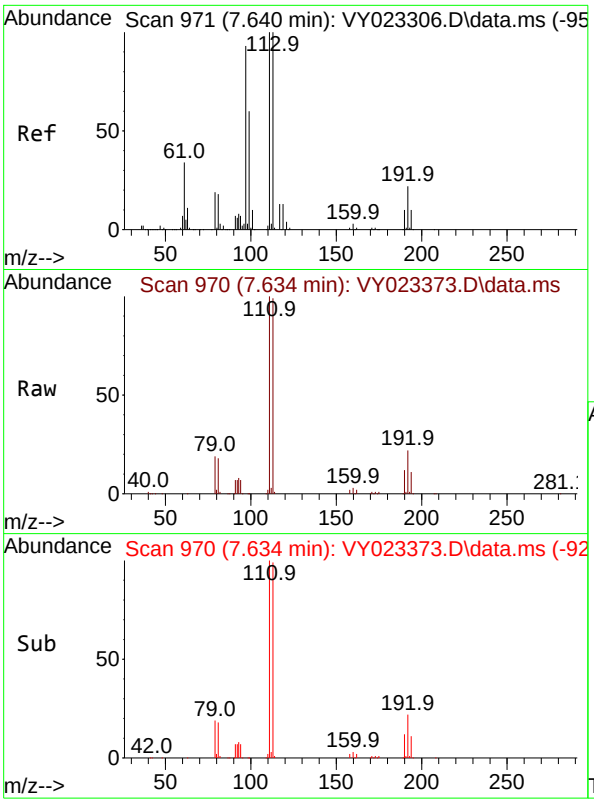


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Tgt Ion:114 Resp: 1138197

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	38.4
88	14.2	0.0	30.0



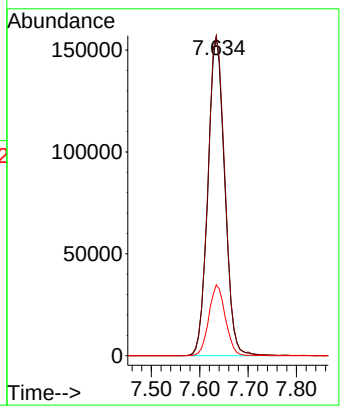


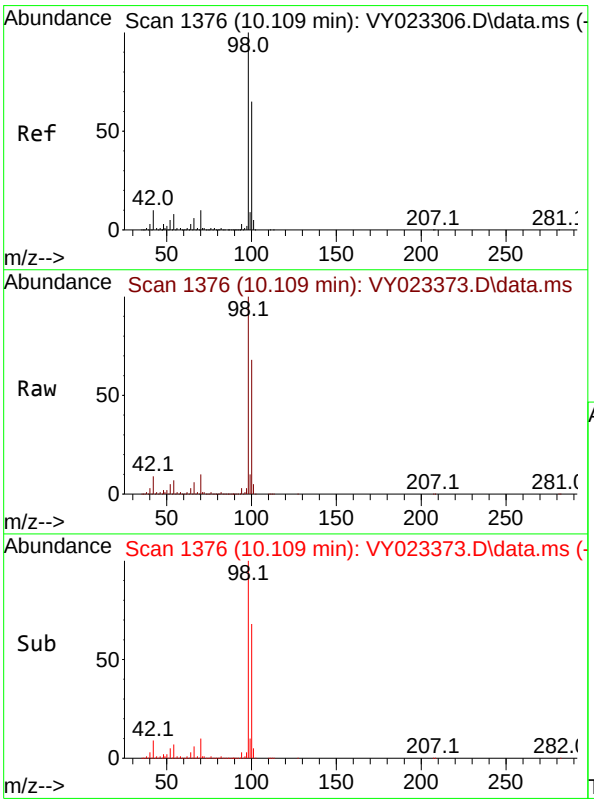
#35
Dibromofluoromethane
Concen: 53.933 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Tgt Ion:113 Resp: 375231

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	21.9	16.2	24.4

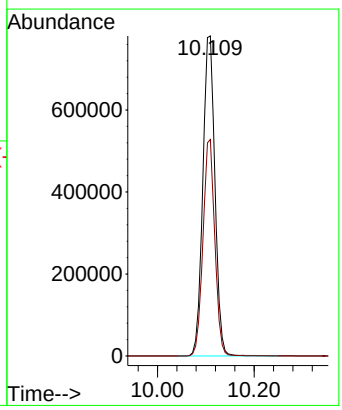


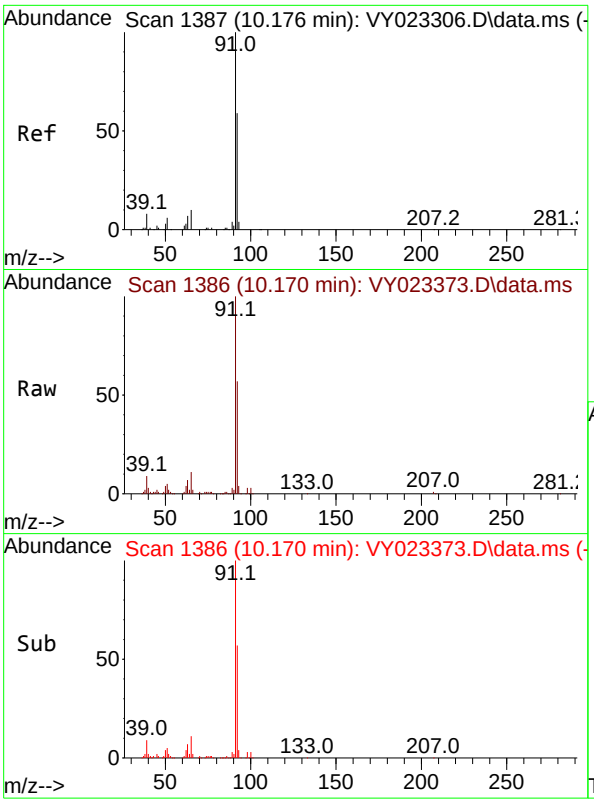


#50
Toluene-d8
Concen: 51.768 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Tgt Ion: 98 Resp: 1360036

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.3	78.5



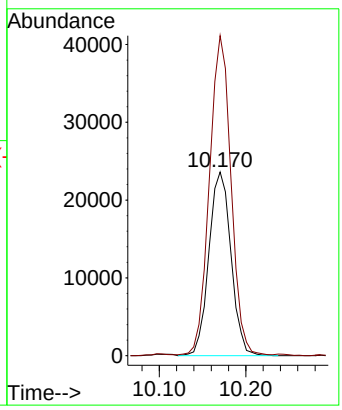


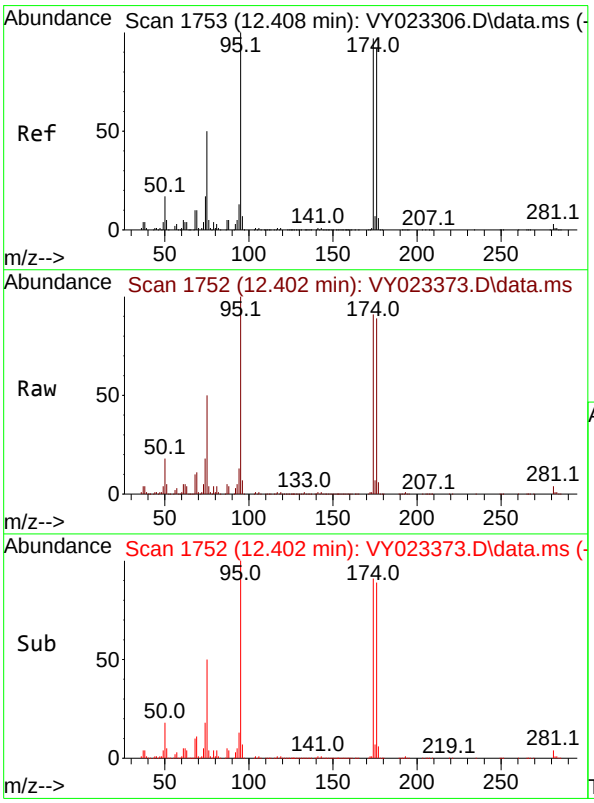
#52
Toluene
Concen: 2.140 ug/l
RT: 10.170 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Tgt Ion: 92 Resp: 41835

Ion	Ratio	Lower	Upper
92	100		
91	169.0	136.4	204.6

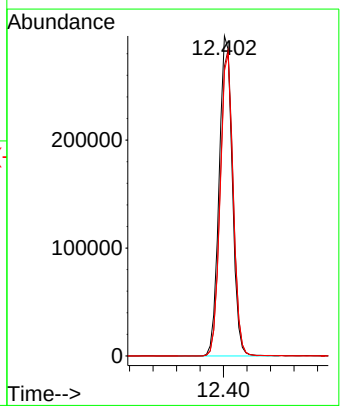


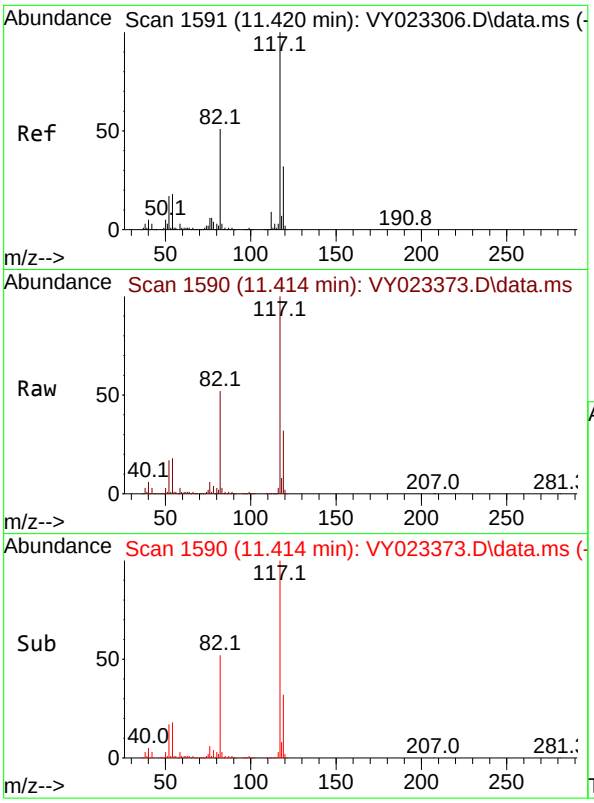


#62
4-Bromofluorobenzene
Concen: 55.887 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Tgt Ion: 95 Resp: 462048

Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	171.6
176	92.5	0.0	167.6



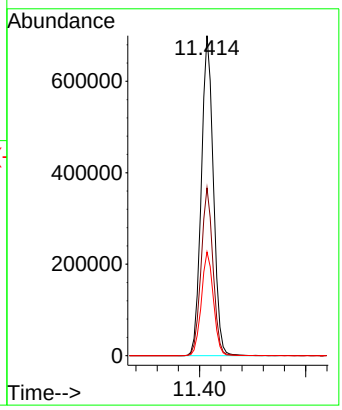


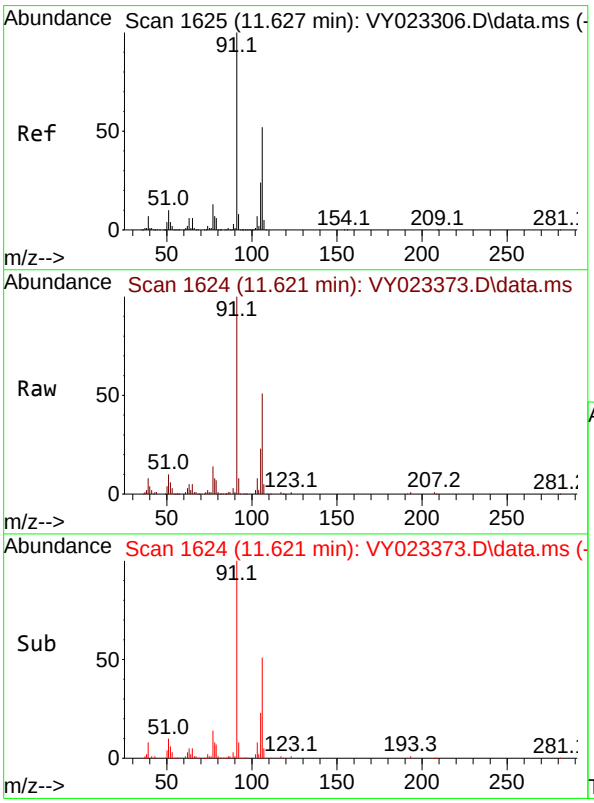
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Tgt Ion:117 Resp: 1103007

Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.4	65.0
119	32.4	25.6	38.4

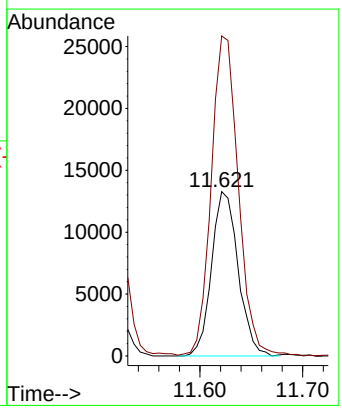


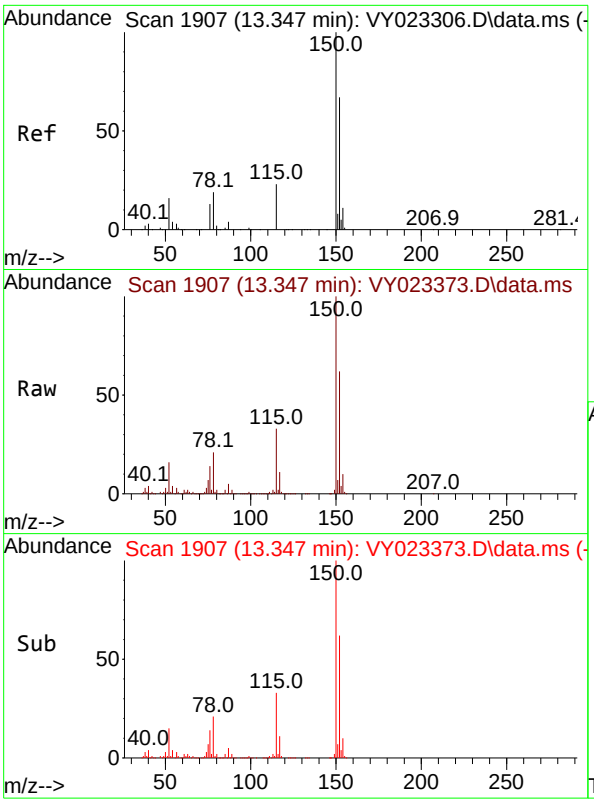


#68
m/p-Xylenes
Concen: 1.508 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Tgt Ion:106 Resp: 23834

Ion	Ratio	Lower	Upper
106	100		
91	198.9	158.6	238.0



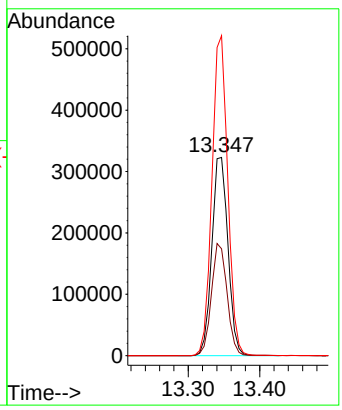


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Tgt Ion:152 Resp: 505673

Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.2	84.6
150	157.8	0.0	348.0



Sample Results: **VY023373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023373.D
Acq On : 25 Sep 2025 14:56
Operator : SY/MD
Sample : Q3174-02
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

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\82Y090825S.M
Title : SW846 8260

Signal : TIC: VY023373.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.068	51	57	66	rBV	339757	487373	14.04%	2.482%
2	2.598	139	144	151	rVB	28955	58788	1.69%	0.299%
3	4.616	460	475	492	rBV	49086	170008	4.90%	0.866%
4	7.634	959	970	976	rBV	522243	1257315	36.22%	6.404%
5	7.707	976	982	994	rVB	731565	1678450	48.36%	8.549%
6	8.061	1031	1040	1052	rBV	416256	933305	26.89%	4.753%
7	8.616	1118	1131	1144	rBV	1273103	2488290	71.69%	12.673%
8	10.103	1367	1375	1382	rBV	2001484	3470861	100.00%	17.678%
9	10.170	1382	1386	1395	rVB	96613	171457	4.94%	0.873%
10	11.414	1582	1590	1601	rBV	2024023	3200868	92.22%	16.302%
11	11.518	1601	1607	1613	rVV	33081	56923	1.64%	0.290%
12	11.621	1617	1624	1635	rVB	76368	147416	4.25%	0.751%
13	11.950	1673	1678	1684	rBV3	27207	43321	1.25%	0.221%
14	12.408	1745	1753	1764	rBV2	1572198	2576953	74.25%	13.125%
15	13.340	1900	1906	1916	rBV	1840047	2855098	82.26%	14.541%
16	13.883	1990	1995	2002	rVB	23337	37835	1.09%	0.193%

Sum of corrected areas: 19634261

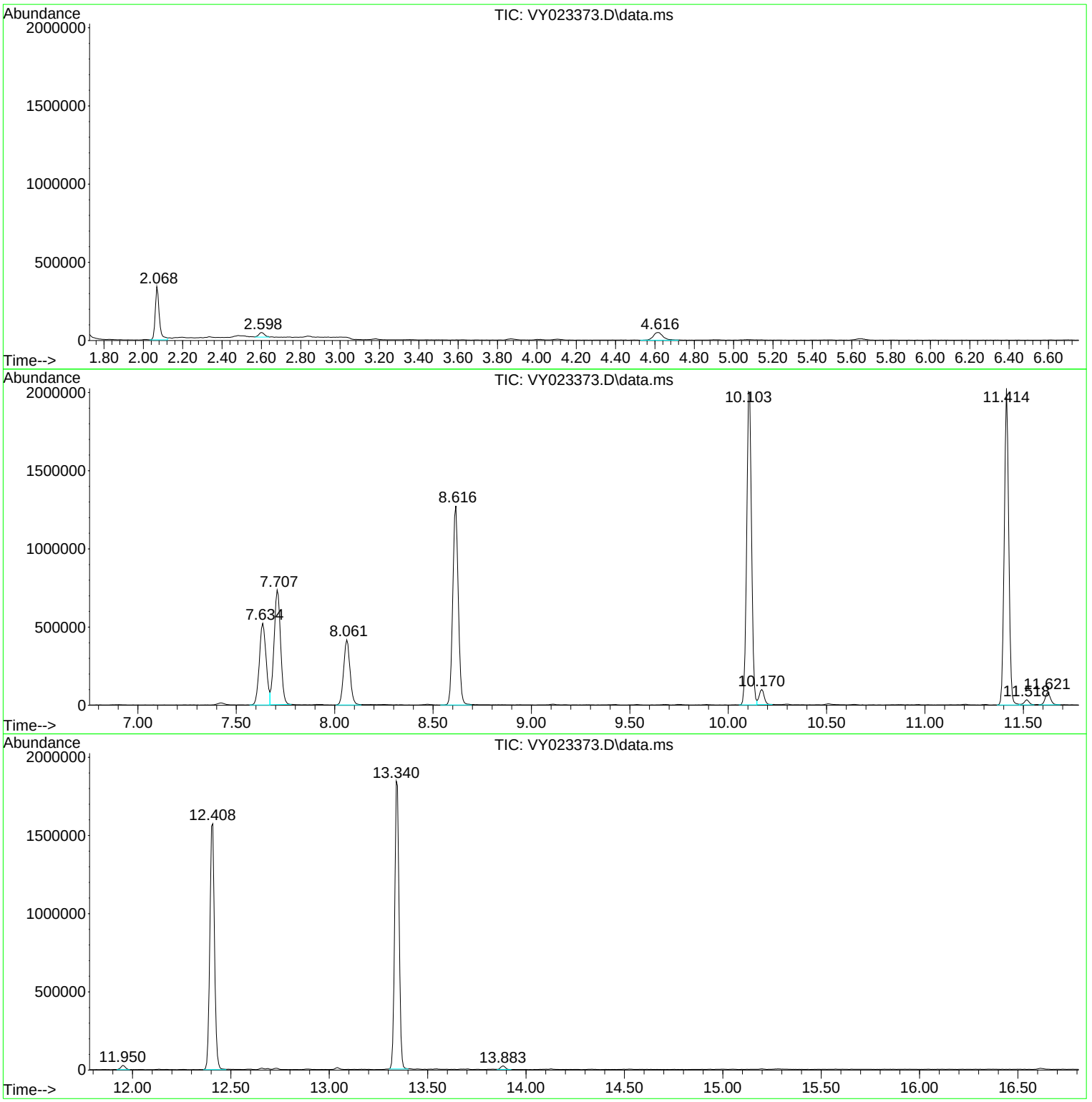
Sample Results: **VY023373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023373.D
Acq On : 25 Sep 2025 14:56
Operator : SY/MD
Sample : Q3174-02
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023373.D
Acq On : 25 Sep 2025 14:56
Operator : SY/MD
Sample : Q3174-02
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.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\VY092525\
Data File : VY023373.D
Acq On : 25 Sep 2025 14:56
Operator : SY/MD
Sample : Q3174-02
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SBF1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3174

Instrument ID: MSVOA_Y Calibration Date(s): 09/08/2025 09/08/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:00 12:08

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

LAB FILE ID: RRF005 = VY023303.D RRF010 = VY023304.D RRF020 = VY023305.D
RRF050 = VY023306.D RRF100 = VY023307.D RRF150 = VY023308.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.471	0.447	0.434	0.365	0.345	0.345	0.401	13.9
Chloromethane	0.661	0.637	0.604	0.534	0.507	0.502	0.574	12
Vinyl Chloride	0.800	0.786	0.757	0.695	0.653	0.647	0.723	9.3
Bromomethane	0.709	0.630	0.611	0.533	0.524	0.537	0.590	12.4
Chloroethane	0.544	0.529	0.504	0.471	0.447	0.441	0.489	8.8
Trichlorofluoromethane	0.990	0.998	0.953	0.870	0.843	0.822	0.913	8.4
1,1,2-Trichlorotrifluoroethane	0.556	0.524	0.511	0.470	0.446	0.437	0.491	9.6
1,1-Dichloroethene	0.501	0.504	0.481	0.458	0.446	0.443	0.472	5.7
Acetone	0.112	0.110	0.096	0.100	0.095	0.087	0.100	9.3
Carbon Disulfide	1.643	1.589	1.553	1.452	1.383	1.351	1.495	7.9
Methyl tert-butyl Ether	1.070	1.130	1.123	1.121	1.121	1.096	1.110	2
Methyl Acetate	0.255	0.275	0.254	0.233	0.235	0.220	0.245	8.1
Methylene Chloride	0.654	0.569	0.542	0.503	0.478	0.467	0.535	13
trans-1,2-Dichloroethene	0.555	0.544	0.542	0.519	0.506	0.498	0.528	4.4
1,1-Dichloroethane	0.918	0.913	0.899	0.844	0.823	0.816	0.869	5.3
Cyclohexane	0.882	0.799	0.790	0.728	0.711	0.704	0.769	8.9
2-Butanone	0.123	0.130	0.126	0.122	0.123	0.116	0.123	3.7
Carbon Tetrachloride	0.513	0.525	0.506	0.503	0.483	0.475	0.501	3.7
cis-1,2-Dichloroethene	0.595	0.617	0.606	0.592	0.590	0.586	0.597	2
Bromochloromethane	0.376	0.357	0.355	0.329	0.317	0.317	0.342	7.1
Chloroform	0.994	0.996	0.961	0.907	0.878	0.865	0.934	6.2
1,1,1-Trichloroethane	0.885	0.889	0.860	0.807	0.785	0.778	0.834	6
Methylcyclohexane	0.529	0.531	0.559	0.580	0.571	0.571	0.557	3.9
Benzene	1.380	1.361	1.391	1.369	1.318	1.299	1.353	2.7
1,2-Dichloroethane	0.357	0.367	0.352	0.344	0.330	0.318	0.344	5.2
Trichloroethene	0.387	0.378	0.388	0.381	0.369	0.359	0.377	3
1,2-Dichloropropane	0.313	0.315	0.316	0.305	0.297	0.288	0.306	3.6
Bromodichloromethane	0.476	0.487	0.474	0.474	0.453	0.445	0.468	3.4
4-Methyl-2-Pentanone	0.156	0.170	0.173	0.181	0.181	0.173	0.172	5.3
Toluene	0.794	0.831	0.885	0.896	0.879	0.868	0.859	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: GENV01

Lab Code: ACE SDG No.: Q3174

Instrument ID: MSVOA_Y Calibration Date(s): 09/08/2025 09/08/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:00 12:08

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

LAB FILE ID: RRF005 = VY023303.D RRF010 = VY023304.D RRF020 = VY023305.D
RRF050 = VY023306.D RRF100 = VY023307.D RRF150 = VY023308.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.374	0.395	0.401	0.420	0.417	0.410	0.403	4.2
cis-1,3-Dichloropropene	0.450	0.477	0.492	0.497	0.491	0.483	0.482	3.6
1,1,2-Trichloroethane	0.250	0.256	0.250	0.250	0.244	0.235	0.248	3
2-Hexanone	0.106	0.116	0.120	0.126	0.127	0.120	0.119	6.6
Dibromochloromethane	0.334	0.340	0.338	0.343	0.334	0.326	0.336	1.8
1,2-Dibromoethane	0.232	0.234	0.236	0.235	0.231	0.223	0.232	2
Tetrachloroethene	0.534	0.483	0.546	0.512	0.472	0.442	0.498	7.9
Chlorobenzene	1.113	1.087	1.124	1.106	1.081	1.061	1.095	2.1
Ethyl Benzene	1.664	1.694	1.828	1.874	1.848	1.828	1.790	4.9
m/p-Xylenes	0.655	0.682	0.738	0.753	0.735	0.736	0.717	5.4
o-Xylene	0.587	0.613	0.676	0.703	0.699	0.701	0.663	7.6
Styrene	0.925	1.020	1.127	1.187	1.172	1.165	1.099	9.5
Bromoform	0.232	0.230	0.229	0.231	0.228	0.223	0.229	1.5
Isopropylbenzene	3.112	3.173	3.434	3.542	3.466	3.482	3.368	5.3
1,1,2,2-Tetrachloroethane	0.564	0.627	0.549	0.557	0.554	0.541	0.565	5.6
1,3-Dichlorobenzene	1.712	1.672	1.704	1.742	1.688	1.699	1.703	1.4
1,4-Dichlorobenzene	1.775	1.681	1.711	1.695	1.632	1.624	1.686	3.3
1,2-Dichlorobenzene	1.508	1.480	1.491	1.513	1.467	1.448	1.485	1.7
1,2-Dibromo-3-Chloropropane	0.096	0.089	0.089	0.087	0.087	0.084	0.089	4.4
1,2,4-Trichlorobenzene	0.786	0.797	0.844	0.905	0.924	0.940	0.866	7.7
1,2,3-Trichlorobenzene	0.697	0.704	0.733	0.787	0.786	0.805	0.752	6.2
1,2-Dichloroethane-d4	0.472	0.456	0.455	0.430	0.417	0.407	0.439	5.8
Dibromofluoromethane	0.300	0.313	0.311	0.312	0.300	0.300	0.306	2.2
Toluene-d8	1.121	1.125	1.176	1.187	1.155	1.159	1.154	2.3
4-Bromofluorobenzene	0.355	0.339	0.363	0.378	0.373	0.371	0.363	4

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y090825S.M
Title : SW846 8260
Last Update : Tue Sep 09 02:06:08 2025
Response Via : Initial Calibration

Calibration Files
5 =VY023303.D 10 =VY023304.D 20 =VY023305.D 50 =VY023306.D 100 =VY023307.D 150 =VY023308.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.471	0.447	0.434	0.365	0.345	0.345	0.401	13.94
3)	P	Chloromethane	0.661	0.637	0.604	0.534	0.507	0.502	0.574	11.99
4)	C	Vinyl Chloride	0.800	0.786	0.757	0.695	0.653	0.647	0.723	9.27#
5)	T	Bromomethane	0.709	0.630	0.611	0.533	0.524	0.537	0.590	12.37
6)	T	Chloroethane	0.544	0.529	0.504	0.471	0.447	0.441	0.489	8.82
7)	T	Trichlorofluor...	0.990	0.998	0.953	0.870	0.843	0.822	0.913	8.44
8)	T	Diethyl Ether	0.247	0.252	0.250	0.238	0.233	0.229	0.241	3.83
9)	T	1,1,2-Trichlor...	0.556	0.524	0.511	0.470	0.446	0.437	0.491	9.59
10)	T	Methyl Iodide	0.551	0.547	0.587	0.608	0.581	0.561	0.573	4.16
11)	T	Tert butyl alc...	0.026	0.028	0.025	0.024	0.025	0.024	0.025	6.42
12)	CM	1,1-Dichloroet...	0.501	0.504	0.481	0.458	0.446	0.443	0.472	5.74#
13)	T	Acrolein	0.046	0.047	0.044	0.040	0.040	0.040	0.043	7.16
14)	T	Allyl chloride	0.607	0.604	0.611	0.597	0.578	0.582	0.596	2.23
15)	T	Acrylonitrile	0.097	0.103	0.096	0.094	0.093	0.089	0.095	4.92
16)	T	Acetone	0.112	0.110	0.096	0.100	0.095	0.087	0.100	9.26
17)	T	Carbon Disulfide	1.643	1.589	1.553	1.452	1.383	1.350	1.495	7.87
18)	T	Methyl Acetate	0.255	0.275	0.254	0.233	0.235	0.220	0.245	8.05
19)	T	Methyl tert-bu...	1.070	1.130	1.123	1.121	1.121	1.096	1.110	2.05
20)	T	Methylene Chlo...	0.654	0.569	0.542	0.503	0.478	0.467	0.535	13.01
21)	T	trans-1,2-Dich...	0.555	0.544	0.542	0.519	0.506	0.498	0.528	4.38
22)	T	Diisopropyl ether	1.272	1.353	1.364	1.354	1.320	1.306	1.328	2.66
23)	T	Vinyl Acetate	0.686	0.734	0.745	0.755	0.750	0.737	0.734	3.42
24)	P	1,1-Dichloroet...	0.918	0.913	0.899	0.844	0.823	0.816	0.869	5.34
25)	T	2-Butanone	0.123	0.130	0.126	0.122	0.123	0.116	0.123	3.73
26)	T	2,2-Dichloropr...	0.810	0.799	0.791	0.752	0.730	0.721	0.767	4.94
27)	T	cis-1,2-Dichlo...	0.595	0.617	0.606	0.592	0.590	0.586	0.597	1.96
28)	T	Bromochloromet...	0.376	0.357	0.355	0.329	0.317	0.317	0.342	7.08
29)	T	Tetrahydrofuran	0.072	0.075	0.075	0.073	0.074	0.070	0.073	2.75
30)	C	Chloroform	0.994	0.996	0.961	0.907	0.878	0.865	0.934	6.20#
31)	T	Cyclohexane	0.882	0.799	0.790	0.728	0.711	0.704	0.769	8.90
32)	T	1,1,1-Trichlor...	0.885	0.889	0.860	0.807	0.785	0.778	0.834	6.00
33)	S	1,2-Dichloroet...	0.472	0.456	0.455	0.430	0.417	0.407	0.439	5.78
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.300	0.313	0.311	0.312	0.300	0.300	0.306	2.17
36)	T	1,1-Dichloropr...	0.449	0.437	0.445	0.441	0.421	0.419	0.435	2.91
37)	T	Ethyl Acetate	0.172	0.183	0.177	0.174	0.170	0.162	0.173	4.03
38)	T	Carbon Tetrach...	0.513	0.525	0.506	0.503	0.483	0.475	0.501	3.73
39)	T	Methylcyclohexane	0.529	0.531	0.559	0.580	0.571	0.571	0.557	3.93
40)	TM	Benzene	1.380	1.361	1.391	1.369	1.318	1.299	1.353	2.69
41)	T	Methacrylonitrile	0.237	0.073	0.072	0.241	0.093	0.091	0.134	60.65
42)	TM	1,2-Dichloroet...	0.357	0.367	0.352	0.344	0.330	0.318	0.344	5.21
43)	T	Isopropyl Acetate	0.325	0.334	0.338	0.347	0.344	0.333	0.337	2.38
44)	TM	Trichloroethene	0.387	0.378	0.388	0.381	0.369	0.359	0.377	2.95
45)	C	1,2-Dichloropr...	0.313	0.315	0.316	0.305	0.297	0.288	0.306	3.61#
46)	T	Dibromomethane	0.194	0.188	0.190	0.188	0.181	0.175	0.186	3.56
47)	T	Bromodichlorom...	0.476	0.487	0.474	0.474	0.453	0.445	0.468	3.41
48)	T	Methyl methacr...	0.138	0.149	0.158	0.168	0.167	0.162	0.157	7.40
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	3.99
50)	S	Toluene-d8	1.121	1.125	1.176	1.187	1.155	1.159	1.154	2.30
51)	T	4-Methyl-2-Pen...	0.156	0.170	0.173	0.181	0.181	0.173	0.172	5.27
52)	CM	Toluene	0.794	0.831	0.885	0.896	0.879	0.868	0.859	4.55#
53)	T	t-1,3-Dichloro...	0.374	0.395	0.401	0.420	0.417	0.410	0.403	4.20
54)	T	cis-1,3-Dichlo...	0.450	0.477	0.492	0.497	0.491	0.483	0.482	3.56
55)	T	1,1,2-Trichlor...	0.250	0.256	0.250	0.250	0.243	0.235	0.248	2.97
56)	T	Ethyl methacry...	0.242	0.255	0.277	0.311	0.322	0.313	0.287	11.73

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y090825S.M

57)	T	1,3-Dichloropr...	0.399	0.406	0.412	0.413	0.397	0.385	0.402	2.64
58)	T	2-Chloroethyl ...	0.094	0.104	0.116	0.140	0.146	0.149	0.125	18.82
59)	T	2-Hexanone	0.106	0.116	0.120	0.126	0.127	0.120	0.119	6.60
60)	T	Dibromochlorom...	0.334	0.340	0.338	0.343	0.334	0.326	0.336	1.81
61)	T	1,2-Dibromoethane	0.232	0.234	0.236	0.235	0.231	0.223	0.232	2.01
62)	S	4-Bromofluorob...	0.355	0.339	0.363	0.378	0.373	0.371	0.363	3.96
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.534	0.483	0.546	0.512	0.472	0.442	0.498	7.94
65)	PM	Chlorobenzene	1.113	1.087	1.124	1.106	1.081	1.061	1.095	2.13
66)	T	1,1,1,2-Tetrac...	0.391	0.394	0.388	0.387	0.372	0.374	0.384	2.33
67)	C	Ethyl Benzene	1.664	1.694	1.828	1.874	1.848	1.828	1.790	4.90#
68)	T	m/p-Xylenes	0.655	0.682	0.738	0.753	0.735	0.736	0.717	5.43
69)	T	o-Xylene	0.587	0.613	0.676	0.703	0.699	0.701	0.663	7.59
70)	T	Styrene	0.925	1.020	1.127	1.187	1.172	1.165	1.099	9.51
71)	P	Bromoform	0.232	0.230	0.229	0.231	0.228	0.223	0.229	1.49
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.112	3.173	3.434	3.542	3.466	3.482	3.368	5.33
74)	T	N-amyl acetate	0.561	0.597	0.620	0.666	0.688	0.688	0.637	8.22
75)	P	1,1,2,2-Tetrac...	0.564	0.627	0.549	0.557	0.554	0.541	0.565	5.56
76)	T	1,2,3-Trichlor...	0.775	0.791	0.770	0.765	0.754	0.725	0.763	2.92
77)	T	Bromobenzene	0.858	0.841	0.860	0.879	0.865	0.860	0.860	1.42
78)	T	n-propylbenzene	3.668	3.795	4.077	4.199	4.053	4.027	3.970	4.99
79)	T	2-Chlorotoluene	2.186	2.216	2.323	2.376	2.300	2.316	2.286	3.12
80)	T	1,3,5-Trimethy...	2.464	2.599	2.832	2.896	2.817	2.828	2.739	6.16
81)	T	trans-1,4-Dich...	0.181	0.192	0.180	0.186	0.190	0.186	0.186	2.41
82)	T	4-Chlorotoluene	2.322	2.369	2.453	2.459	2.377	2.374	2.392	2.22
83)	T	tert-Butylbenzene	2.325	2.318	2.473	2.604	2.569	2.596	2.481	5.31
84)	T	1,2,4-Trimethy...	2.379	2.564	2.807	2.892	2.809	2.807	2.710	7.24
85)	T	sec-Butylbenzene	3.322	3.444	3.714	3.802	3.707	3.669	3.610	5.13
86)	T	p-Isopropyltol...	2.683	2.823	3.114	3.264	3.211	3.200	3.049	7.82
87)	T	1,3-Dichlorobe...	1.712	1.672	1.704	1.742	1.688	1.699	1.703	1.40
88)	T	1,4-Dichlorobe...	1.775	1.681	1.711	1.695	1.632	1.624	1.686	3.28
89)	T	n-Butylbenzene	2.474	2.471	2.728	2.909	2.817	2.826	2.704	6.97
90)	T	Hexachloroethane	0.698	0.667	0.673	0.657	0.634	0.637	0.661	3.64
91)	T	1,2-Dichlorobe...	1.508	1.480	1.491	1.513	1.467	1.448	1.485	1.68
92)	T	1,2-Dibromo-3-...	0.096	0.089	0.089	0.087	0.087	0.084	0.089	4.44
93)	T	1,2,4-Trichlor...	0.786	0.797	0.844	0.905	0.924	0.940	0.866	7.66
94)	T	Hexachlorobuta...	0.552	0.523	0.536	0.544	0.527	0.530	0.535	2.04
95)	T	Naphthalene	1.105	1.180	1.299	1.519	1.608	1.639	1.392	16.37
96)	T	1,2,3-Trichlor...	0.697	0.704	0.733	0.787	0.786	0.805	0.752	6.20

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023303.D
Acq On : 08 Sep 2025 10:00
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:42:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	485110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	759710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	651128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	317206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	22895	5.371	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.740%#			
35) Dibromofluoromethane	7.634	113	22767	4.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.800%#			
50) Toluene-d8	10.109	98	85176	4.857	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.720%#			
62) 4-Bromofluorobenzene	12.407	95	26983	4.890	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.780%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22839	5.868	ug/l	99
3) Chloromethane	2.074	50	32055	5.756	ug/l	97
4) Vinyl Chloride	2.208	62	38829	5.534	ug/l	96
5) Bromomethane	2.598	94	34392	6.003	ug/l	92
6) Chloroethane	2.738	64	26414	5.563	ug/l	99
7) Trichlorofluoromethane	3.061	101	48037	5.425	ug/l	98
8) Diethyl Ether	3.464	74	11987	5.116	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.817	101	26974	5.664	ug/l	99
10) Methyl Iodide	4.013	142	26719	4.810	ug/l	98
11) Tert butyl alcohol	4.872	59	6381	25.907	ug/l	95
12) 1,1-Dichloroethene	3.793	96	24327	5.310	ug/l	95
13) Acrolein	3.659	56	11073	26.592	ug/l	98
14) Allyl chloride	4.384	41	29424	5.084	ug/l	98
15) Acrylonitrile	5.067	53	23553	25.535	ug/l	98
16) Acetone	3.872	43	27095	27.905	ug/l	93
17) Carbon Disulfide	4.116	76	79684	5.494	ug/l	97
18) Methyl Acetate	4.391	43	12350	5.185	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	51921	4.820	ug/l	96
20) Methylene Chloride	4.622	84	31712	6.104	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	26940	5.263	ug/l	97
22) Diisopropyl ether	6.024	45	61723	4.789	ug/l #	88
23) Vinyl Acetate	5.969	43	166297	23.340	ug/l	99
24) 1,1-Dichloroethane	5.921	63	44525	5.282	ug/l	99
25) 2-Butanone	6.902	43	29940	25.053	ug/l	96
26) 2,2-Dichloropropane	6.884	77	39303	5.280	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	28852	4.978	ug/l	98
28) Bromochloromethane	7.250	49	18229	5.496	ug/l	95
29) Tetrahydrofuran	7.268	42	17491	24.676	ug/l	98
30) Chloroform	7.427	83	48232	5.325	ug/l	96
31) Cyclohexane	7.701	56	42784	5.735	ug/l #	81
32) 1,1,1-Trichloroethane	7.622	97	42921	5.304	ug/l	98
36) 1,1-Dichloropropene	7.835	75	34125	5.159	ug/l	97
37) Ethyl Acetate	6.988	43	13098	4.978	ug/l	97
38) Carbon Tetrachloride	7.823	117	39006	5.125	ug/l	97
39) Methylcyclohexane	9.109	83	40211	4.752	ug/l	93
40) Benzene	8.085	78	104834	5.099	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023303.D
Acq On : 08 Sep 2025 10:00
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:42:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.231	41	5965m	4.081 ug/l		
42) 1,2-Dichloroethane	8.164	62	27126	5.182 ug/l		100
43) Isopropyl Acetate	8.201	43	24681	4.823 ug/l		98
44) Trichloroethene	8.865	130	29378	5.130 ug/l		96
45) 1,2-Dichloropropane	9.146	63	23746	5.114 ug/l		98
46) Dibromomethane	9.231	93	14718	5.205 ug/l		99
47) Bromodichloromethane	9.426	83	36199	5.089 ug/l		100
48) Methyl methacrylate	9.225	41	10495	4.400 ug/l		89
49) 1,4-Dioxane	9.237	88	2727	95.009 ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	59396	22.687 ug/l		96
52) Toluene	10.170	92	60289	4.621 ug/l		96
53) t-1,3-Dichloropropene	10.396	75	28448	4.645 ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	34169	4.669 ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	19023	5.058 ug/l		96
56) Ethyl methacrylate	10.444	69	18369	4.215 ug/l		98
57) 1,3-Dichloropropane	10.719	76	30302	4.963 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	35646	18.769 ug/l		99
59) 2-Hexanone	10.761	43	40146	22.182 ug/l		98
60) Dibromochloromethane	10.914	129	25353	4.968 ug/l		97
61) 1,2-Dibromoethane	11.017	107	17594	4.992 ug/l		98
64) Tetrachloroethene	10.645	164	34772	5.358 ug/l		97
65) Chlorobenzene	11.444	112	72445	5.079 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	25464	5.086 ug/l		98
67) Ethyl Benzene	11.517	91	108359	4.650 ug/l		100
68) m/p-Xylenes	11.627	106	85257	9.136 ug/l		99
69) o-Xylene	11.956	106	38252	4.428 ug/l		100
70) Styrene	11.968	104	60260	4.209 ug/l		96
71) Bromoform	12.133	173	15125	5.073 ug/l	#	94
73) Isopropylbenzene	12.255	105	98704	4.619 ug/l		99
74) N-amyl acetate	12.072	43	17784	4.403 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	17902	4.992 ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	17115m	4.877 ug/l		
77) Bromobenzene	12.535	156	27224	4.987 ug/l		99
78) n-propylbenzene	12.596	91	116336	4.620 ug/l		99
79) 2-Chlorotoluene	12.676	91	69356	4.782 ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	78164	4.498 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	5743	4.876 ug/l		97
82) 4-Chlorotoluene	12.779	91	73664	4.854 ug/l		100
83) tert-Butylbenzene	12.999	119	73753	4.686 ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	75474	4.390 ug/l		97
85) sec-Butylbenzene	13.176	105	105361	4.601 ug/l		100
86) p-Isopropyltoluene	13.291	119	85119	4.400 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	54298	5.027 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	56300	5.262 ug/l		95
89) n-Butylbenzene	13.614	91	78467	4.574 ug/l		96
90) Hexachloroethane	13.877	117	22151	5.282 ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	47837	5.079 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3031	5.387 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	24947	4.541 ug/l		99
94) Hexachlorobutadiene	15.023	225	17507	5.154 ug/l		99
95) Naphthalene	15.145	128	35060	3.970 ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	22103	4.633 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023303.D
Acq On : 08 Sep 2025 10:00
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:42:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

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

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

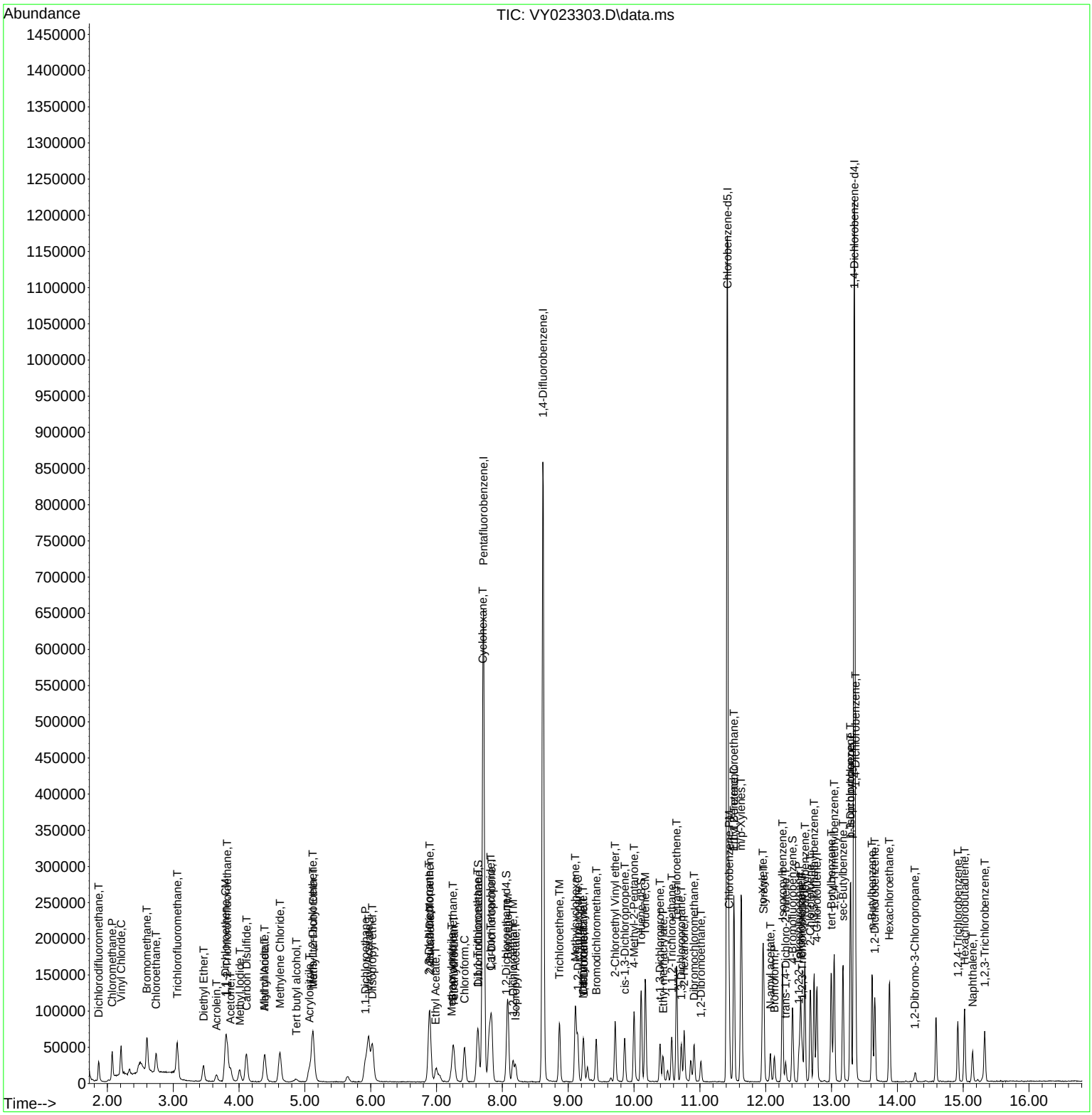
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023303.D
Acq On : 08 Sep 2025 10:00
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 01:42:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023304.D
Acq On : 08 Sep 2025 10:23
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:43:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	505065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	791591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	688550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	341346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	46032	10.372	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.740%#		
35) Dibromofluoromethane	7.640	113	49520	10.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.460%#		
50) Toluene-d8	10.109	98	178174	9.752	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.500%#		
62) 4-Bromofluorobenzene	12.408	95	53639	9.329	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45127	11.137	ug/l	98
3) Chloromethane	2.074	50	64339	11.096	ug/l	98
4) Vinyl Chloride	2.208	62	79359	10.864	ug/l	98
5) Bromomethane	2.598	94	63603	10.664	ug/l	97
6) Chloroethane	2.739	64	53422	10.807	ug/l	99
7) Trichlorofluoromethane	3.062	101	100776	10.931	ug/l	98
8) Diethyl Ether	3.452	74	25406	10.415	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	52967	10.683	ug/l	100
10) Methyl Iodide	4.007	142	55281	9.558	ug/l	99
11) Tert butyl alcohol	4.866	59	14259	55.604	ug/l #	91
12) 1,1-Dichloroethene	3.793	96	50901	10.672	ug/l	94
13) Acrolein	3.659	56	23713	54.697	ug/l	99
14) Allyl chloride	4.385	41	60984	10.122	ug/l	99
15) Acrylonitrile	5.061	53	51784	53.924	ug/l	97
16) Acetone	3.873	43	55413	54.815	ug/l	95
17) Carbon Disulfide	4.110	76	160482	10.627	ug/l	99
18) Methyl Acetate	4.391	43	27824	11.220	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	114165	10.180	ug/l	100
20) Methylene Chloride	4.616	84	57486	10.629	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	54985	10.318	ug/l	97
22) Diisopropyl ether	6.025	45	136703	10.188	ug/l	90
23) Vinyl Acetate	5.964	43	370690	49.971	ug/l	98
24) 1,1-Dichloroethane	5.915	63	92202	10.506	ug/l	98
25) 2-Butanone	6.902	43	65487	52.633	ug/l	97
26) 2,2-Dichloropropane	6.890	77	80742	10.419	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	62304	10.324	ug/l	99
28) Bromochloromethane	7.250	49	36037	10.435	ug/l	99
29) Tetrahydrofuran	7.274	42	37859	51.300	ug/l	98
30) Chloroform	7.427	83	100564	10.664	ug/l	99
31) Cyclohexane	7.707	56	80679	10.388	ug/l #	91
32) 1,1,1-Trichloroethane	7.616	97	89821	10.661	ug/l	98
36) 1,1-Dichloropropene	7.835	75	69230	10.045	ug/l	98
37) Ethyl Acetate	6.988	43	29009	10.581	ug/l	99
38) Carbon Tetrachloride	7.823	117	83071	10.476	ug/l	99
39) Methylcyclohexane	9.109	83	84000	9.528	ug/l	97
40) Benzene	8.085	78	215396	10.055	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023304.D
Acq On : 08 Sep 2025 10:23
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:43:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	13529m	8.882	ug/l		
42) 1,2-Dichloroethane	8.164	62	58041	10.642	ug/l		99
43) Isopropyl Acetate	8.201	43	52895	9.920	ug/l		98
44) Trichloroethene	8.866	130	59900	10.039	ug/l		97
45) 1,2-Dichloropropane	9.146	63	49852	10.305	ug/l		95
46) Dibromomethane	9.237	93	29746	10.096	ug/l		97
47) Bromodichloromethane	9.426	83	77086	10.400	ug/l		99
48) Methyl methacrylate	9.225	41	23535	9.469	ug/l		95
49) 1,4-Dioxane	9.231	88	6305	210.819	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	134544	49.321	ug/l		99
52) Toluene	10.170	92	131503	9.674	ug/l		96
53) t-1,3-Dichloropropene	10.396	75	62546	9.801	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	75522	9.904	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	40549	10.347	ug/l		97
56) Ethyl methacrylate	10.438	69	40408	8.899	ug/l		98
57) 1,3-Dichloropropane	10.719	76	64325	10.110	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	82414	41.645	ug/l		99
59) 2-Hexanone	10.762	43	91559	48.551	ug/l		95
60) Dibromochloromethane	10.914	129	53881	10.133	ug/l		99
61) 1,2-Dibromoethane	11.018	107	37104	10.103	ug/l		98
64) Tetrachloroethene	10.652	164	66581	9.702	ug/l		96
65) Chlorobenzene	11.444	112	149644	9.921	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	54244	10.245	ug/l		99
67) Ethyl Benzene	11.518	91	233279	9.466	ug/l		98
68) m/p-Xylenes	11.627	106	187831	19.035	ug/l		99
69) o-Xylene	11.956	106	84481	9.248	ug/l		100
70) Styrene	11.969	104	140425	9.275	ug/l		100
71) Bromoform	12.133	173	31732	10.064	ug/l	#	97
73) Isopropylbenzene	12.255	105	216593	9.420	ug/l		100
74) N-amyl acetate	12.072	43	40779	9.383	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	42827	11.098	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	37872m	10.028	ug/l		
77) Bromobenzene	12.536	156	57406	9.772	ug/l		97
78) n-propylbenzene	12.597	91	259006	9.557	ug/l		100
79) 2-Chlorotoluene	12.682	91	151268	9.691	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	177432	9.488	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13088	10.325	ug/l		94
82) 4-Chlorotoluene	12.780	91	161757	9.904	ug/l		98
83) tert-Butylbenzene	12.999	119	158279	9.345	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	175051	9.462	ug/l		98
85) sec-Butylbenzene	13.176	105	235130	9.541	ug/l		99
86) p-Isopropyltoluene	13.292	119	192708	9.258	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	114123	9.818	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	114786	9.970	ug/l		98
89) n-Butylbenzene	13.615	91	168712	9.139	ug/l		98
90) Hexachloroethane	13.877	117	45505	10.083	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	101023	9.968	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6093	10.063	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	54387	9.200	ug/l		98
94) Hexachlorobutadiene	15.023	225	35729	9.775	ug/l		100
95) Naphthalene	15.145	128	80591	8.481	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	48071	9.363	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023304.D
Acq On : 08 Sep 2025 10:23
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:43:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 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

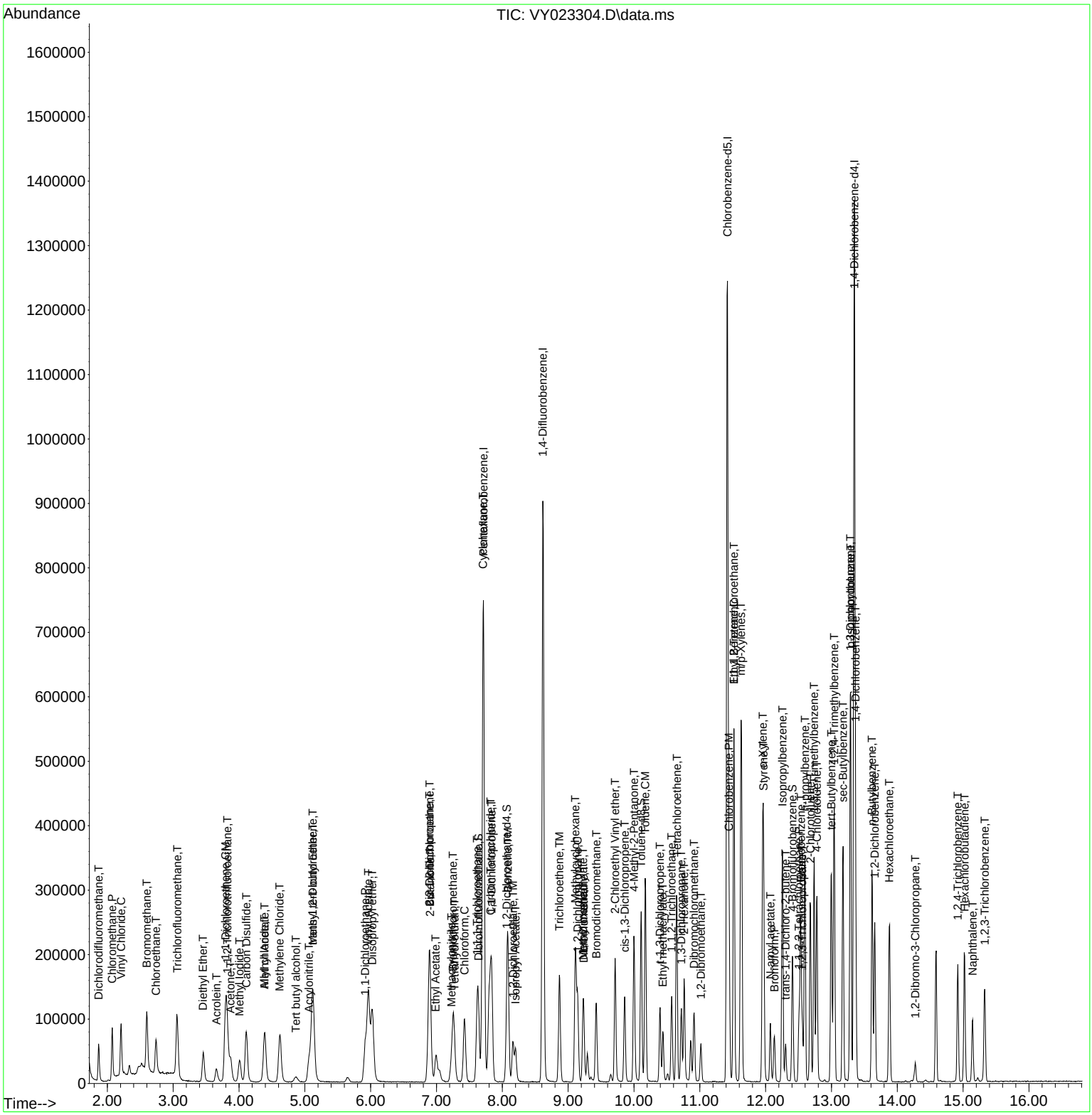
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023304.D
Acq On : 08 Sep 2025 10:23
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 01:43:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023305.D
Acq On : 08 Sep 2025 11:01
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:44:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	511669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	782027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	680751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	346753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93114	20.710	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.420%#		
35) Dibromofluoromethane	7.640	113	97135	20.320	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.640%#		
50) Toluene-d8	10.109	98	367821	20.377	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.760%#		
62) 4-Bromofluorobenzene	12.408	95	113674	20.011	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.020%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	88896	21.656	ug/l	100
3) Chloromethane	2.074	50	123543	21.032	ug/l	100
4) Vinyl Chloride	2.208	62	154963	20.941	ug/l	99
5) Bromomethane	2.592	94	125025	20.692	ug/l	99
6) Chloroethane	2.739	64	103204	20.609	ug/l	96
7) Trichlorofluoromethane	3.062	101	195012	20.879	ug/l	98
8) Diethyl Ether	3.464	74	51072	20.666	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	104609	20.826	ug/l	100
10) Methyl Iodide	4.007	142	120176	20.510	ug/l	100
11) Tert butyl alcohol	4.866	59	25644	98.710	ug/l	97
12) 1,1-Dichloroethene	3.793	96	98352	20.354	ug/l	100
13) Acrolein	3.659	56	45259	103.049	ug/l	98
14) Allyl chloride	4.385	41	125039	20.485	ug/l	99
15) Acrylonitrile	5.061	53	97916	100.646	ug/l	99
16) Acetone	3.879	43	98751	96.424	ug/l	99
17) Carbon Disulfide	4.110	76	317818	20.775	ug/l	99
18) Methyl Acetate	4.391	43	52080	20.731	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	229823	20.228	ug/l	98
20) Methylene Chloride	4.622	84	110980	20.255	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	111022	20.564	ug/l	95
22) Diisopropyl ether	6.025	45	279204	20.539	ug/l	95
23) Vinyl Acetate	5.964	43	762417	101.451	ug/l	100
24) 1,1-Dichloroethane	5.921	63	184050	20.700	ug/l	98
25) 2-Butanone	6.896	43	128467	101.919	ug/l	99
26) 2,2-Dichloropropane	6.884	77	161798	20.609	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	123993	20.281	ug/l	99
28) Bromochloromethane	7.250	49	72739	20.791	ug/l	98
29) Tetrahydrofuran	7.268	42	76442	102.243	ug/l	99
30) Chloroform	7.427	83	196739	20.594	ug/l	98
31) Cyclohexane	7.707	56	161741	20.557	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	175981	20.618	ug/l	99
36) 1,1-Dichloropropene	7.841	75	139217	20.448	ug/l	99
37) Ethyl Acetate	6.988	43	55365	20.442	ug/l	100
38) Carbon Tetrachloride	7.823	117	158423	20.222	ug/l	99
39) Methylcyclohexane	9.115	83	174931	20.084	ug/l	97
40) Benzene	8.085	78	435169	20.563	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023305.D
Acq On : 08 Sep 2025 11:01
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:44:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	31395m	20.864	ug/l		
42) 1,2-Dichloroethane	8.164	62	109981	20.412	ug/l		100
43) Isopropyl Acetate	8.201	43	105821	20.089	ug/l		99
44) Trichloroethene	8.872	130	121229	20.567	ug/l		99
45) 1,2-Dichloropropane	9.146	63	98694	20.650	ug/l		95
46) Dibromomethane	9.231	93	59559	20.463	ug/l		100
47) Bromodichloromethane	9.426	83	148346	20.259	ug/l		100
48) Methyl methacrylate	9.225	41	49361	20.104	ug/l		99
49) 1,4-Dioxane	9.237	88	11411	386.213	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	270262	100.283	ug/l		99
52) Toluene	10.170	92	276811	20.612	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	125515	19.909	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	153964	20.438	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	78175	20.191	ug/l		98
56) Ethyl methacrylate	10.445	69	86701	19.329	ug/l		99
57) 1,3-Dichloropropane	10.719	76	128839	20.498	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	181539	92.857	ug/l		100
59) 2-Hexanone	10.762	43	188342	101.094	ug/l		97
60) Dibromochloromethane	10.914	129	105879	20.155	ug/l		100
61) 1,2-Dibromoethane	11.018	107	73861	20.358	ug/l		97
64) Tetrachloroethene	10.652	164	148800	21.931	ug/l		98
65) Chlorobenzene	11.444	112	306189	20.531	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	105682	20.189	ug/l		99
67) Ethyl Benzene	11.524	91	497762	20.430	ug/l		100
68) m/p-Xylenes	11.633	106	401968	41.202	ug/l		100
69) o-Xylene	11.956	106	184121	20.387	ug/l		99
70) Styrene	11.969	104	306789	20.496	ug/l		99
71) Bromoform	12.133	173	62332	19.996	ug/l	#	99
73) Isopropylbenzene	12.255	105	476323	20.393	ug/l		100
74) N-amyl acetate	12.072	43	86035	19.487	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76107	19.415	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	64463m	16.803	ug/l		
77) Bromobenzene	12.536	156	119243	19.983	ug/l		99
78) n-propylbenzene	12.597	91	565486	20.541	ug/l		100
79) 2-Chlorotoluene	12.682	91	322223	20.322	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	392810	20.678	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	25026	19.436	ug/l		98
82) 4-Chlorotoluene	12.779	91	340201	20.505	ug/l		99
83) tert-Butylbenzene	12.999	119	343022	19.937	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	389304	20.715	ug/l		100
85) sec-Butylbenzene	13.176	105	515162	20.579	ug/l		99
86) p-Isopropyltoluene	13.292	119	431885	20.424	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	236278	20.010	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	237319	20.291	ug/l		99
89) n-Butylbenzene	13.621	91	378395	20.177	ug/l		99
90) Hexachloroethane	13.883	117	93360	20.365	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	206872	20.093	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12396	20.153	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	117002	19.482	ug/l		100
94) Hexachlorobutadiene	15.023	225	74337	20.020	ug/l		100
95) Naphthalene	15.145	128	180169	18.665	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	101733	19.506	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023305.D
Acq On : 08 Sep 2025 11:01
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:44:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 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

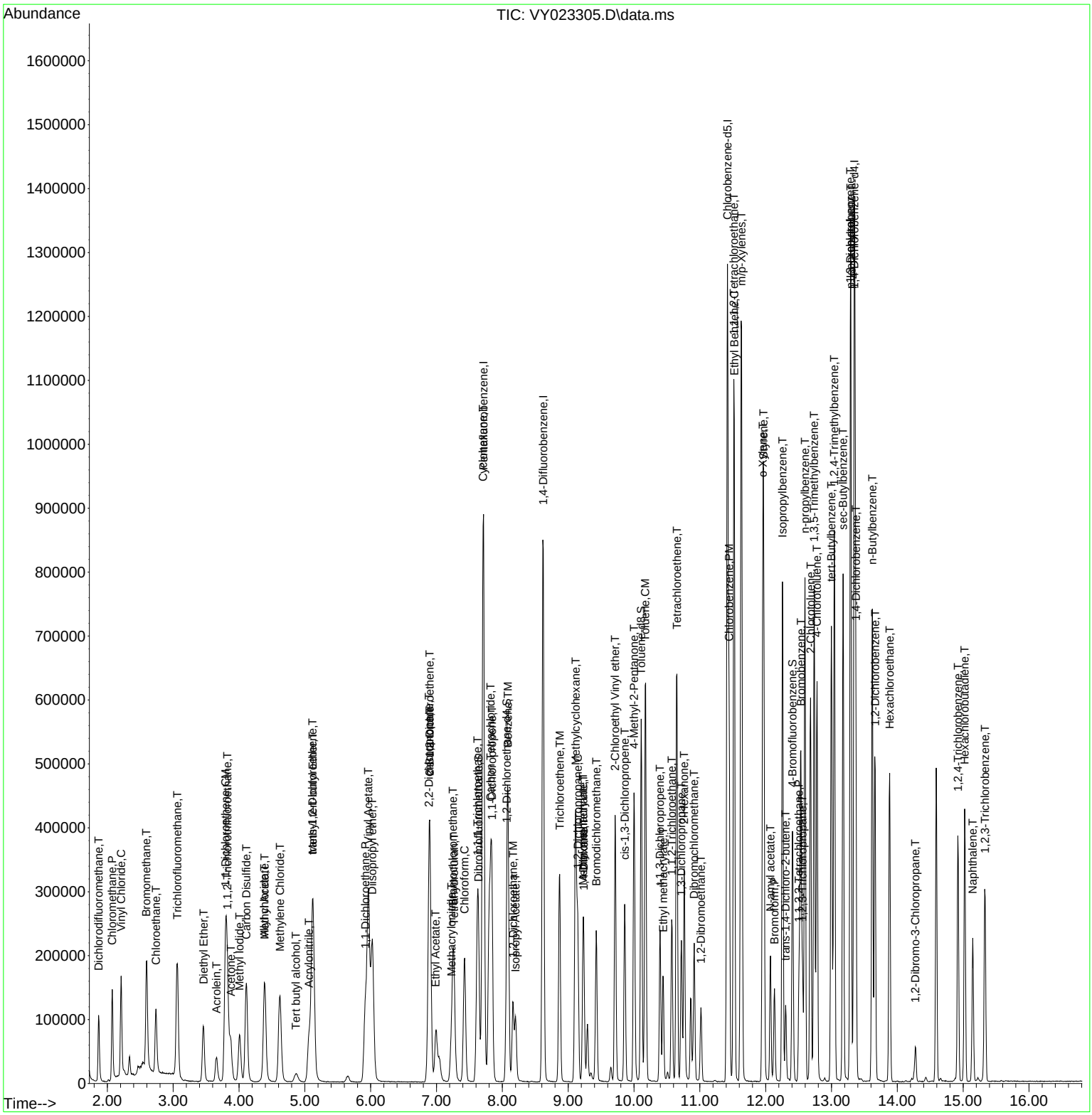
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023305.D
Acq On : 08 Sep 2025 11:01
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 01:44:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023306.D
Acq On : 08 Sep 2025 11:23
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:44:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	526393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	778902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	694798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	356166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	226238	48.911	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.820%			
35) Dibromofluoromethane	7.640	113	242771	50.990	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.980%			
50) Toluene-d8	10.109	98	924895	51.445	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.880%			
62) 4-Bromofluorobenzene	12.408	95	294348	52.026	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	191965	45.456	ug/l	100
3) Chloromethane	2.074	50	281181	46.530	ug/l	100
4) Vinyl Chloride	2.208	62	365961	48.071	ug/l	100
5) Bromomethane	2.598	94	280343	45.099	ug/l	100
6) Chloroethane	2.739	64	247798	48.098	ug/l	100
7) Trichlorofluoromethane	3.062	101	457788	47.643	ug/l	100
8) Diethyl Ether	3.458	74	125500	49.362	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	247430	47.882	ug/l	100
10) Methyl Iodide	4.007	142	320240	53.125	ug/l	100
11) Tert butyl alcohol	4.860	59	64196	240.194	ug/l	100
12) 1,1-Dichloroethene	3.793	96	241227	48.526	ug/l	100
13) Acrolein	3.659	56	106268	235.190	ug/l	100
14) Allyl chloride	4.391	41	314185	50.033	ug/l	100
15) Acrylonitrile	5.061	53	246560	246.345	ug/l	100
16) Acetone	3.873	43	263093	249.707	ug/l	100
17) Carbon Disulfide	4.110	76	764425	48.571	ug/l	100
18) Methyl Acetate	4.391	43	122876	47.543	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	589871	50.466	ug/l	100
20) Methylene Chloride	4.622	84	264766	46.970	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	273371	49.219	ug/l	100
22) Diisopropyl ether	6.025	45	712660	50.959	ug/l	100
23) Vinyl Acetate	5.964	43	1986591	256.951	ug/l	100
24) 1,1-Dichloroethane	5.921	63	444491	48.594	ug/l	100
25) 2-Butanone	6.896	43	321192	247.689	ug/l	100
26) 2,2-Dichloropropane	6.890	77	395813	49.007	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	311626	49.545	ug/l	100
28) Bromochloromethane	7.250	49	172947	48.051	ug/l	100
29) Tetrahydrofuran	7.268	42	193120	251.078	ug/l	100
30) Chloroform	7.427	83	477370	48.571	ug/l	100
31) Cyclohexane	7.707	56	382977	47.314	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	425024	48.403	ug/l	100
36) 1,1-Dichloropropene	7.841	75	343220	50.613	ug/l	100
37) Ethyl Acetate	6.988	43	135316	50.163	ug/l	100
38) Carbon Tetrachloride	7.823	117	391444	50.167	ug/l	100
39) Methylcyclohexane	9.109	83	451750	52.073	ug/l	100
40) Benzene	8.085	78	1066603	50.603	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023306.D
Acq On : 08 Sep 2025 11:23
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Sep 09 01:44:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	70443m	47.001	ug/l		
42) 1,2-Dichloroethane	8.158	62	267863	49.914	ug/l		100
43) Isopropyl Acetate	8.201	43	270339	51.526	ug/l		100
44) Trichloroethene	8.866	130	296655	50.530	ug/l		100
45) 1,2-Dichloropropane	9.146	63	237691	49.932	ug/l		100
46) Dibromomethane	9.238	93	146260	50.452	ug/l		100
47) Bromodichloromethane	9.427	83	369052	50.602	ug/l		100
48) Methyl methacrylate	9.219	41	130598	53.403	ug/l		100
49) 1,4-Dioxane	9.231	88	29659	1007.857	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	705200	262.721	ug/l		100
52) Toluene	10.176	92	698056	52.186	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	327439	52.147	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	386725	51.543	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	195025	50.573	ug/l		100
56) Ethyl methacrylate	10.439	69	242372	54.250	ug/l		100
57) 1,3-Dichloropropane	10.719	76	321373	51.334	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	546457	280.634	ug/l		100
59) 2-Hexanone	10.762	43	490109	264.125	ug/l		100
60) Dibromochloromethane	10.914	129	267186	51.065	ug/l		100
61) 1,2-Dibromoethane	11.018	107	183355	50.741	ug/l		100
64) Tetrachloroethene	10.652	164	355533	51.342	ug/l		100
65) Chlorobenzene	11.444	112	768569	50.493	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	268927	50.336	ug/l		100
67) Ethyl Benzene	11.518	91	1302238	52.368	ug/l		100
68) m/p-Xylenes	11.627	106	1046889	105.137	ug/l		100
69) o-Xylene	11.957	106	488210	52.964	ug/l		100
70) Styrene	11.969	104	824921	53.998	ug/l		100
71) Bromoform	12.133	173	160560	50.465	ug/l	#	100
73) Isopropylbenzene	12.255	105	1261495	52.581	ug/l		100
74) N-amyl acetate	12.072	43	237152	52.296	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	198241	49.235	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	182296m	46.261	ug/l		
77) Bromobenzene	12.530	156	313012	51.068	ug/l		100
78) n-propylbenzene	12.597	91	1495542	52.889	ug/l		100
79) 2-Chlorotoluene	12.682	91	846258	51.960	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1031398	52.858	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	66100	49.977	ug/l		100
82) 4-Chlorotoluene	12.780	91	875904	51.398	ug/l		100
83) tert-Butylbenzene	12.999	119	927426	52.479	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1030176	53.367	ug/l		100
85) sec-Butylbenzene	13.176	105	1354129	52.663	ug/l		100
86) p-Isopropyltoluene	13.292	119	1162434	53.519	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	620504	51.159	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	603738	50.256	ug/l		100
89) n-Butylbenzene	13.615	91	1036061	53.786	ug/l		100
90) Hexachloroethane	13.877	117	234170	49.730	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	539018	50.970	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30972	49.023	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	322364	52.259	ug/l		100
94) Hexachlorobutadiene	15.023	225	193854	50.827	ug/l		100
95) Naphthalene	15.145	128	541174	54.583	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	280256	52.314	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023306.D
Acq On : 08 Sep 2025 11:23
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:44:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 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

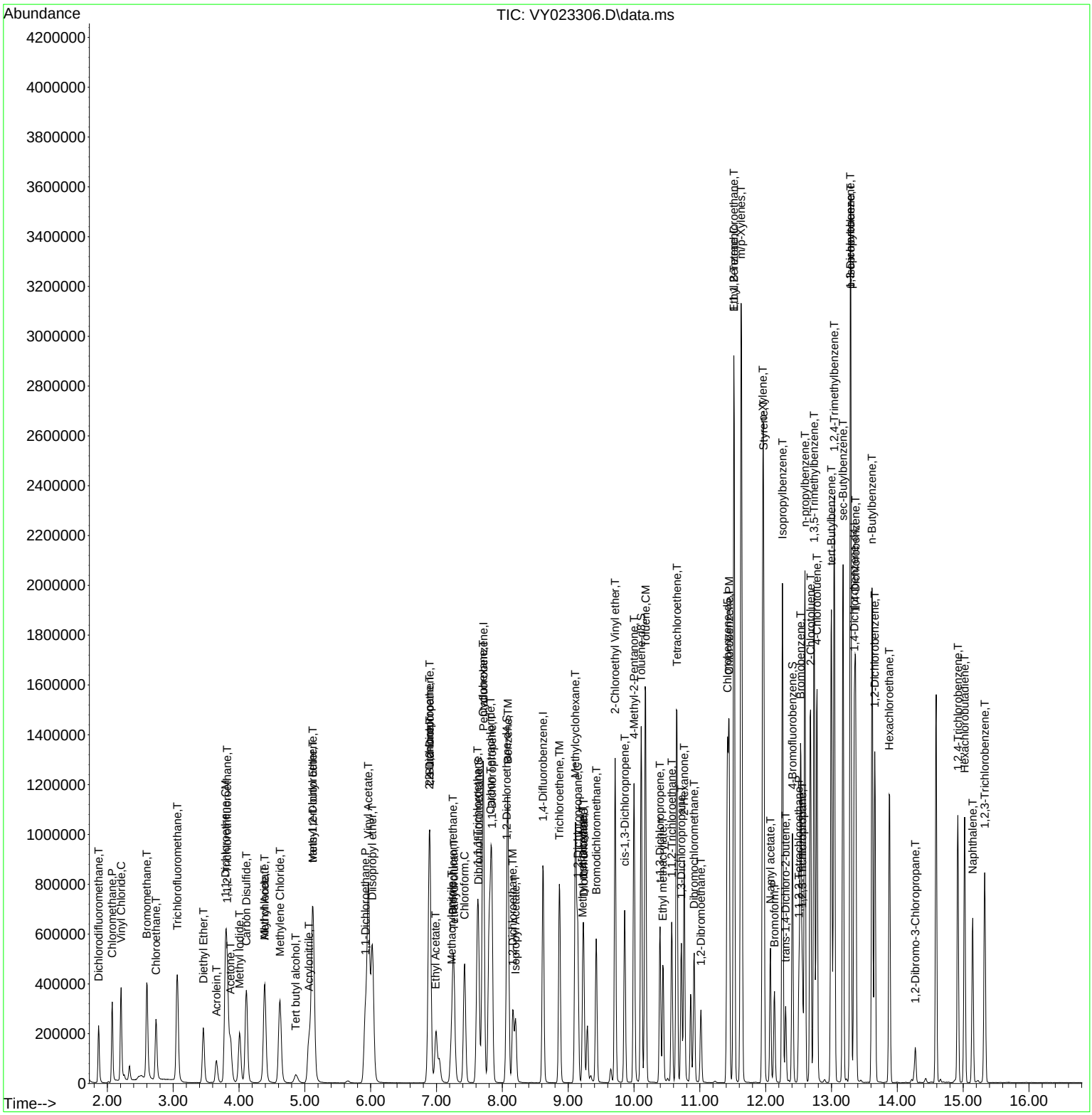
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023306.D
Acq On : 08 Sep 2025 11:23
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 01:44:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023307.D
Acq On : 08 Sep 2025 11:46
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:45:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	553685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	826995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	743780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	380796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	461345	94.823	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 189.640%#			
35) Dibromofluoromethane	7.640	113	495539	98.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.060%#			
50) Toluene-d8	10.109	98	1910809	100.103	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 200.200%#			
62) 4-Bromofluorobenzene	12.408	95	617410	102.780	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 205.560%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	382082	86.015	ug/l	98
3) Chloromethane	2.074	50	561245	88.297	ug/l	99
4) Vinyl Chloride	2.208	62	723153	90.307	ug/l	100
5) Bromomethane	2.592	94	579932	88.695	ug/l	100
6) Chloroethane	2.739	64	494799	91.308	ug/l	100
7) Trichlorofluoromethane	3.062	101	934000	92.412	ug/l	99
8) Diethyl Ether	3.458	74	258412	96.629	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	494209	90.925	ug/l	100
10) Methyl Iodide	4.007	142	643747	101.529	ug/l	100
11) Tert butyl alcohol	4.866	59	135775	482.971	ug/l	100
12) 1,1-Dichloroethene	3.793	96	493492	94.380	ug/l	100
13) Acrolein	3.653	56	223324	469.893	ug/l	99
14) Allyl chloride	4.391	41	640560	96.978	ug/l	99
15) Acrylonitrile	5.061	53	514238	488.464	ug/l	99
16) Acetone	3.873	43	528497	476.882	ug/l	98
17) Carbon Disulfide	4.110	76	1531125	92.491	ug/l	100
18) Methyl Acetate	4.391	43	259861	95.590	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	1241732	100.999	ug/l	99
20) Methylene Chloride	4.622	84	528916	89.205	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	559879	95.834	ug/l	96
22) Diisopropyl ether	6.025	45	1461997	99.387	ug/l	96
23) Vinyl Acetate	5.964	43	4152649	510.640	ug/l	100
24) 1,1-Dichloroethane	5.921	63	911486	94.736	ug/l	99
25) 2-Butanone	6.896	43	679450	498.135	ug/l	100
26) 2,2-Dichloropropane	6.890	77	808657	95.188	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	652984	98.700	ug/l	99
28) Bromochloromethane	7.250	49	351551	92.859	ug/l	99
29) Tetrahydrofuran	7.268	42	407987	504.285	ug/l	98
30) Chloroform	7.427	83	972361	94.058	ug/l	99
31) Cyclohexane	7.707	56	786969	92.432	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	869647	94.157	ug/l	99
36) 1,1-Dichloropropene	7.841	75	695673	96.623	ug/l	100
37) Ethyl Acetate	6.988	43	281747	98.372	ug/l	99
38) Carbon Tetrachloride	7.823	117	799538	96.509	ug/l	99
39) Methylcyclohexane	9.109	83	945012	102.597	ug/l	98
40) Benzene	8.085	78	2180599	97.437	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023307.D
Acq On : 08 Sep 2025 11:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 01:45:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	153155	96.246	ug/l	#	91
42) 1,2-Dichloroethane	8.164	62	545257	95.696	ug/l		100
43) Isopropyl Acetate	8.201	43	568502	102.054	ug/l	#	86
44) Trichloroethene	8.866	130	610328	97.912	ug/l		97
45) 1,2-Dichloropropane	9.146	63	491687	97.282	ug/l		96
46) Dibromomethane	9.231	93	300046	97.481	ug/l		99
47) Bromodichloromethane	9.426	83	749153	96.746	ug/l		100
48) Methyl methacrylate	9.225	41	276846	106.622	ug/l		97
49) 1,4-Dioxane	9.231	88	64620	2068.185	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	1497150	525.325	ug/l		100
52) Toluene	10.176	92	1453950	102.376	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	689594	103.437	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	812848	102.036	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	402746	98.366	ug/l		99
56) Ethyl methacrylate	10.438	69	532603	112.279	ug/l		99
57) 1,3-Dichloropropane	10.719	76	656574	98.778	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1211508	585.990	ug/l		99
59) 2-Hexanone	10.762	43	1053914	534.935	ug/l		100
60) Dibromochloromethane	10.914	129	551888	99.344	ug/l		100
61) 1,2-Dibromoethane	11.018	107	381843	99.524	ug/l		99
64) Tetrachloroethene	10.646	164	702212	94.727	ug/l		98
65) Chlorobenzene	11.444	112	1608611	98.723	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	554017	96.868	ug/l		100
67) Ethyl Benzene	11.518	91	2749443	103.285	ug/l		100
68) m/p-Xylenes	11.627	106	2187870	205.254	ug/l		99
69) o-Xylene	11.956	106	1039517	105.347	ug/l		99
70) Styrene	11.969	104	1743947	106.638	ug/l		100
71) Bromoform	12.133	173	339741	99.750	ug/l		99
73) Isopropylbenzene	12.255	105	2639661	102.909	ug/l		100
74) N-amyl acetate	12.072	43	523912	108.058	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	421897	98.004	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	382145m	90.703	ug/l		
77) Bromobenzene	12.530	156	659078	100.573	ug/l		98
78) n-propylbenzene	12.597	91	3086544	102.095	ug/l		99
79) 2-Chlorotoluene	12.682	91	1752032	100.617	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	2145364	102.836	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	144370	102.096	ug/l		97
82) 4-Chlorotoluene	12.773	91	1810202	99.353	ug/l		100
83) tert-Butylbenzene	12.999	119	1956520	103.549	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	2139509	103.667	ug/l		99
85) sec-Butylbenzene	13.176	105	2823391	102.701	ug/l		100
86) p-Isopropyltoluene	13.292	119	2445488	105.309	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	1285942	99.166	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	1243124	96.785	ug/l		99
89) n-Butylbenzene	13.615	91	2145204	104.163	ug/l		99
90) Hexachloroethane	13.877	117	482549	95.849	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1117264	98.817	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66490	98.434	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	703475	106.666	ug/l		99
94) Hexachlorobutadiene	15.023	225	401356	98.427	ug/l		100
95) Naphthalene	15.145	128	1224801	115.544	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	598796	104.545	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023307.D
Acq On : 08 Sep 2025 11:46
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:45:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 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

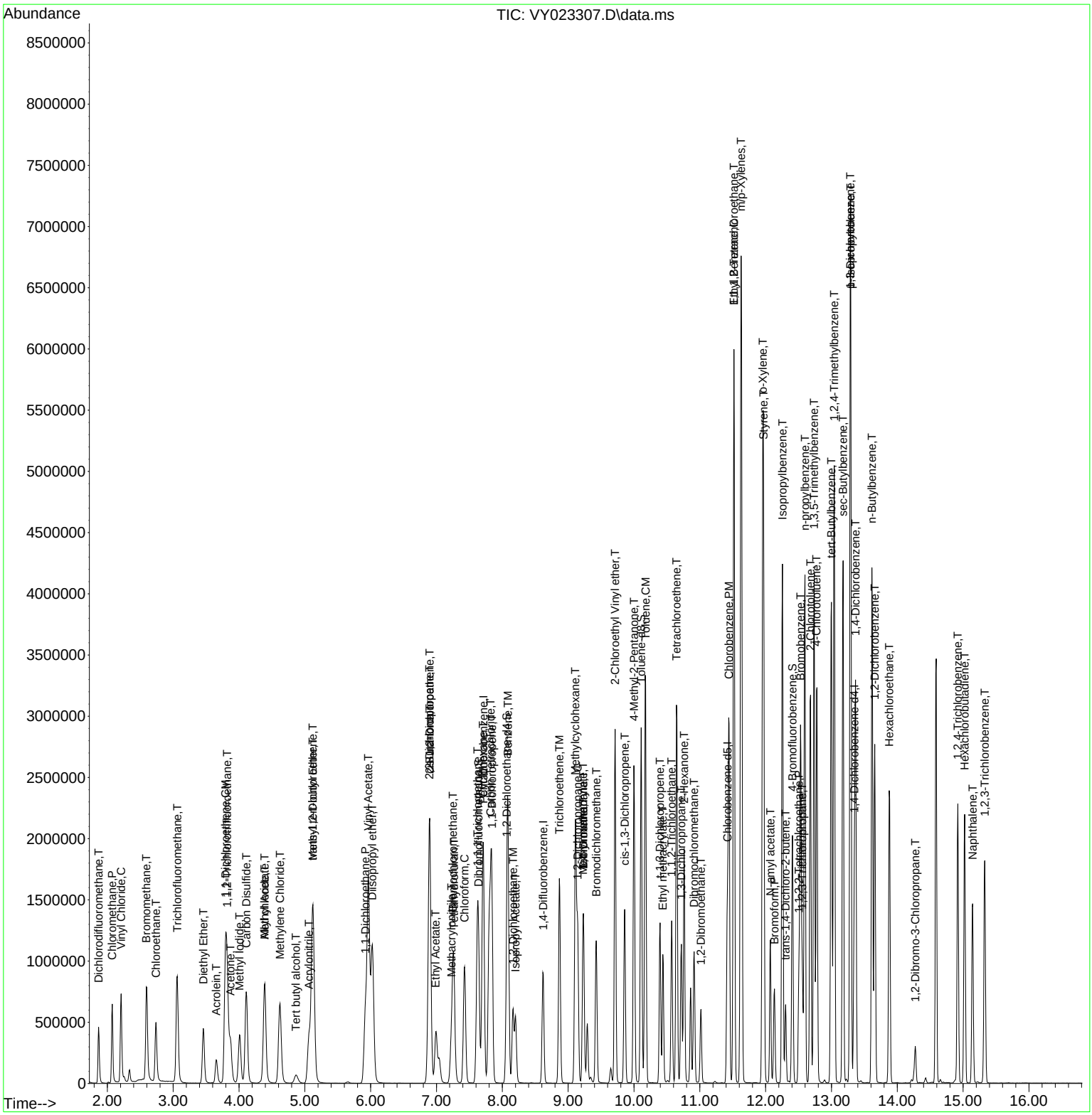
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023307.D
Acq On : 08 Sep 2025 11:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 01:45:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023308.D
Acq On : 08 Sep 2025 12:08
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:46:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	562805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	840125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	752994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	381230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	687410	138.998	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 278.000%#			
35) Dibromofluoromethane	7.640	113	754900	146.999	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 294.000%#			
50) Toluene-d8	10.109	98	2922042	150.687	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 301.380%#			
62) 4-Bromofluorobenzene	12.408	95	933965	153.047	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 306.100%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	582847	129.085	ug/l	100
3) Chloromethane	2.074	50	847037	131.100	ug/l	99
4) Vinyl Chloride	2.208	62	1092926	134.273	ug/l	100
5) Bromomethane	2.592	94	906626	136.413	ug/l	100
6) Chloroethane	2.732	64	744548	135.169	ug/l	99
7) Trichlorofluoromethane	3.056	101	1388509	135.155	ug/l	100
8) Diethyl Ether	3.458	74	386753	142.277	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	738110	133.597	ug/l	99
10) Methyl Iodide	4.013	142	946424	146.847	ug/l	99
11) Tert butyl alcohol	4.866	59	200993	703.375	ug/l	98
12) 1,1-Dichloroethene	3.793	96	748392	140.810	ug/l	99
13) Acrolein	3.653	56	337446	698.510	ug/l	100
14) Allyl chloride	4.391	41	983209	146.442	ug/l	100
15) Acrylonitrile	5.061	53	747487	698.517	ug/l	99
16) Acetone	3.873	43	735610	653.012	ug/l	98
17) Carbon Disulfide	4.110	76	2280198	135.508	ug/l	100
18) Methyl Acetate	4.391	43	372071	134.648	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	1850687	148.091	ug/l	99
20) Methylene Chloride	4.622	84	788366	130.809	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	841500	141.704	ug/l	99
22) Diisopropyl ether	6.025	45	2205632	147.510	ug/l	96
23) Vinyl Acetate	5.964	43	6220726	752.550	ug/l	100
24) 1,1-Dichloroethane	5.921	63	1377236	140.824	ug/l	99
25) 2-Butanone	6.896	43	976405	704.245	ug/l	98
26) 2,2-Dichloropropane	6.890	77	1216971	140.929	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	988693	147.022	ug/l	98
28) Bromochloromethane	7.250	49	535786	139.229	ug/l	98
29) Tetrahydrofuran	7.262	42	586966	713.752	ug/l	98
30) Chloroform	7.427	83	1460984	139.033	ug/l	99
31) Cyclohexane	7.707	56	1188631	137.346	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	1313294	139.886	ug/l	99
36) 1,1-Dichloropropene	7.841	75	1056188	144.402	ug/l	99
37) Ethyl Acetate	6.988	43	409006	140.572	ug/l	99
38) Carbon Tetrachloride	7.823	117	1196606	142.180	ug/l	100
39) Methylcyclohexane	9.109	83	1438892	153.775	ug/l	98
40) Benzene	8.085	78	3273969	144.007	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023308.D
Acq On : 08 Sep 2025 12:08
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:46:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	228520	141.362	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	801777	138.517	ug/l		100
43) Isopropyl Acetate	8.201	43	838611	148.189	ug/l	#	86
44) Trichloroethene	8.872	130	904223	142.793	ug/l		95
45) 1,2-Dichloropropane	9.146	63	726072	141.411	ug/l		98
46) Dibromomethane	9.231	93	441999	141.355	ug/l		98
47) Bromodichloromethane	9.426	83	1120710	142.467	ug/l		100
48) Methyl methacrylate	9.225	41	408953	155.039	ug/l		98
49) 1,4-Dioxane	9.231	88	94112	2965.012	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	2175180	751.306	ug/l		100
52) Toluene	10.170	92	2186591	151.556	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	1034272	152.713	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	1217126	150.397	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	592178	142.372	ug/l		97
56) Ethyl methacrylate	10.438	69	789898	163.917	ug/l		99
57) 1,3-Dichloropropane	10.719	76	969469	143.572	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1879644	894.949	ug/l		99
59) 2-Hexanone	10.762	43	1507704	753.305	ug/l		100
60) Dibromochloromethane	10.914	129	821704	145.601	ug/l		100
61) 1,2-Dibromoethane	11.018	107	563187	144.496	ug/l		99
64) Tetrachloroethene	10.652	164	999061	133.122	ug/l		98
65) Chlorobenzene	11.444	112	2396604	145.283	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	845457	146.017	ug/l		99
67) Ethyl Benzene	11.517	91	4130225	153.256	ug/l		99
68) m/p-Xylenes	11.627	106	3324597	308.079	ug/l		98
69) o-Xylene	11.956	106	1584564	158.618	ug/l		99
70) Styrene	11.969	104	2631182	158.922	ug/l		99
71) Bromoform	12.133	173	502977	145.871	ug/l		100
73) Isopropylbenzene	12.255	105	3981997	155.064	ug/l		100
74) N-amyl acetate	12.072	43	786505	162.033	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	618197	143.440	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	532275m	126.193	ug/l		
77) Bromobenzene	12.529	156	983243	149.869	ug/l		98
78) n-propylbenzene	12.597	91	4606140	152.185	ug/l		98
79) 2-Chlorotoluene	12.676	91	2649237	151.969	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	3233898	154.837	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	212367	150.012	ug/l		96
82) 4-Chlorotoluene	12.779	91	2714572	148.820	ug/l		99
83) tert-Butylbenzene	12.999	119	2969101	156.961	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	3210868	155.401	ug/l		99
85) sec-Butylbenzene	13.176	105	4196454	152.473	ug/l		99
86) p-Isopropyltoluene	13.292	119	3660054	157.431	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	1942632	149.636	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	1857662	144.467	ug/l		99
89) n-Butylbenzene	13.615	91	3232387	156.773	ug/l		99
90) Hexachloroethane	13.877	117	728785	144.594	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	1655736	146.275	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	95751	141.591	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	1075435	162.880	ug/l		99
94) Hexachlorobutadiene	15.023	225	606180	148.488	ug/l		100
95) Naphthalene	15.145	128	1874286	176.612	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	920503	160.529	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023308.D
Acq On : 08 Sep 2025 12:08
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 :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:46:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 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

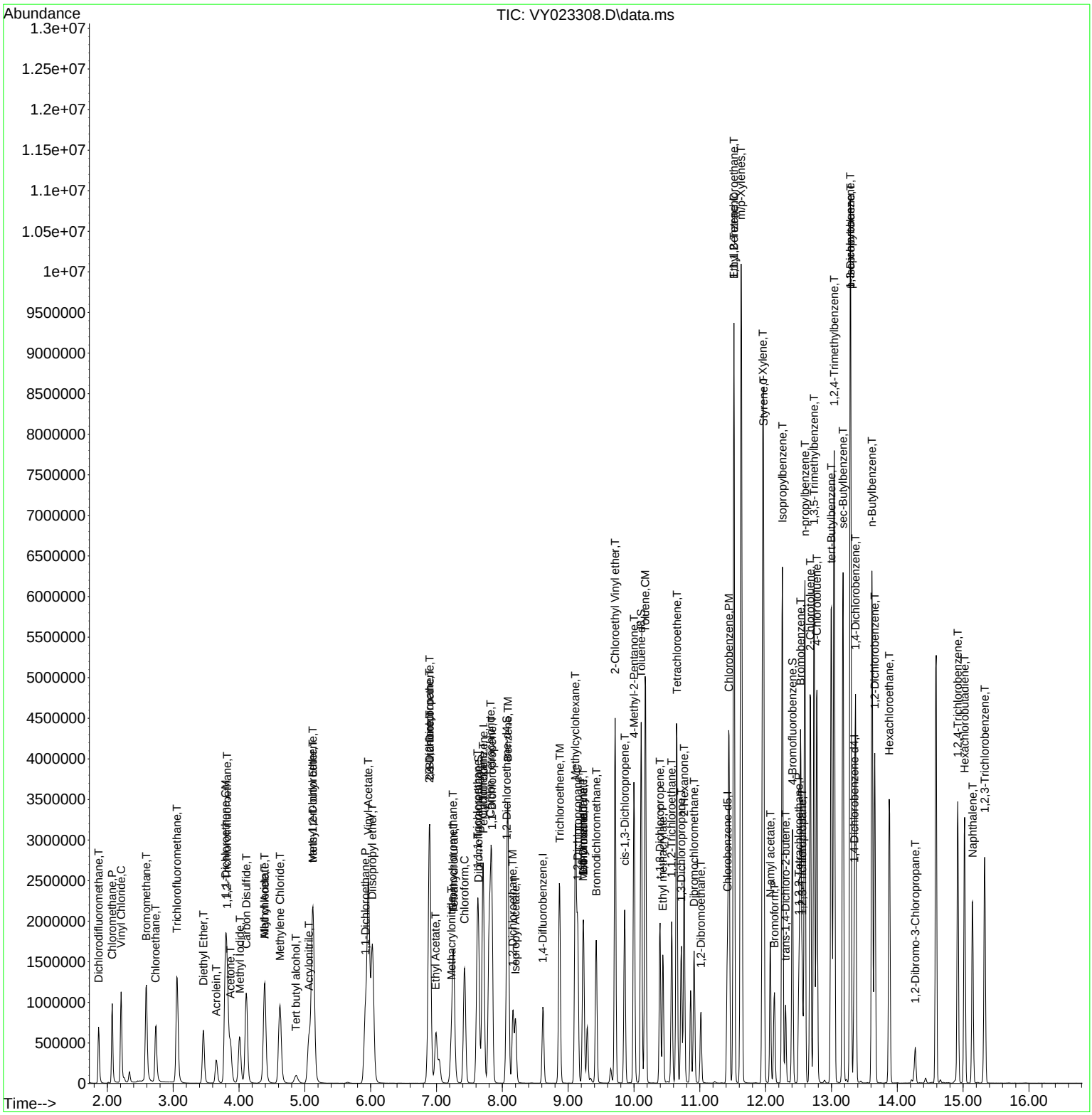
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023308.D
Acq On : 08 Sep 2025 12:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 01:46:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	562168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	828449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	726941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	230677	46.697	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.400%			
35) Dibromofluoromethane	7.640	113	250186	49.405	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.800%			
50) Toluene-d8	10.109	98	989528	51.748	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.500%			
62) 4-Bromofluorobenzene	12.408	95	315894	52.495	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	222593	49.354	ug/l	99
3) Chloromethane	2.074	50	301864	46.774	ug/l	99
4) Vinyl Chloride	2.208	62	384221	47.257	ug/l	99
5) Bromomethane	2.598	94	295040	44.443	ug/l	99
6) Chloroethane	2.739	64	258915	47.058	ug/l	98
7) Trichlorofluoromethane	3.062	101	488948	47.647	ug/l	97
8) Diethyl Ether	3.458	74	124454	45.835	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	264330	47.898	ug/l	99
10) Methyl Iodide	4.007	142	292142	45.380	ug/l	100
11) Tert butyl alcohol	4.860	59	65239	228.563	ug/l	99
12) 1,1-Dichloroethene	3.793	96	254595	47.956	ug/l	99
13) Acrolein	3.653	56	105827	219.309	ug/l	100
14) Allyl chloride	4.385	41	316799	47.238	ug/l	99
15) Acrylonitrile	5.061	53	233940	218.862	ug/l	99
16) Acetone	3.866	43	276063	245.343	ug/l	99
17) Carbon Disulfide	4.110	76	788422	46.908	ug/l	99
18) Methyl Acetate	4.391	43	113037	40.953	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	581858	46.613	ug/l	99
20) Methylene Chloride	4.616	84	280944	46.668	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	285714	48.167	ug/l	99
22) Diisopropyl ether	6.025	45	702929	47.064	ug/l	96
23) Vinyl Acetate	5.964	43	1948513	235.988	ug/l	99
24) 1,1-Dichloroethane	5.921	63	455881	46.667	ug/l	99
25) 2-Butanone	6.896	43	320919	231.729	ug/l	100
26) 2,2-Dichloropropane	6.890	77	418440	48.512	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	318607	47.432	ug/l	98
28) Bromochloromethane	7.250	49	176345	45.877	ug/l	98
29) Tetrahydrofuran	7.262	42	184408	224.495	ug/l	99
30) Chloroform	7.427	83	486205	46.322	ug/l	100
31) Cyclohexane	7.707	56	405183	46.872	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	442099	47.144	ug/l	99
36) 1,1-Dichloropropene	7.841	75	354529	49.154	ug/l	100
37) Ethyl Acetate	6.988	43	132290	46.108	ug/l	98
38) Carbon Tetrachloride	7.823	117	406761	49.012	ug/l	99
39) Methylcyclohexane	9.109	83	482769	52.321	ug/l	98
40) Benzene	8.085	78	1084593	48.379	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	70972	47.767	ug/l	#	82
42) 1,2-Dichloroethane	8.164	62	261632	45.837	ug/l		99
43) Isopropyl Acetate	8.201	43	260490	46.679	ug/l		97
44) Trichloroethene	8.866	130	303853	48.660	ug/l		98
45) 1,2-Dichloropropane	9.146	63	240571	47.514	ug/l		95
46) Dibromomethane	9.231	93	141569	45.913	ug/l		99
47) Bromodichloromethane	9.426	83	367487	47.374	ug/l		98
48) Methyl methacrylate	9.225	41	124559	47.887	ug/l		97
49) 1,4-Dioxane	9.231	88	29953	956.973	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	679786	238.107	ug/l		100
52) Toluene	10.170	92	716570	50.367	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	321364	48.119	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	383651	48.075	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	190653	46.483	ug/l		99
56) Ethyl methacrylate	10.438	69	235952	49.654	ug/l		99
57) 1,3-Dichloropropane	10.719	76	313030	47.011	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	556586	268.741	ug/l		99
59) 2-Hexanone	10.762	43	492965	249.775	ug/l		99
60) Dibromochloromethane	10.914	129	264461	47.521	ug/l		100
61) 1,2-Dibromoethane	11.018	107	180030	46.841	ug/l		100
64) Tetrachloroethene	10.646	164	356596	49.218	ug/l		99
65) Chlorobenzene	11.444	112	785680	49.335	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	269352	48.186	ug/l		99
67) Ethyl Benzene	11.517	91	1344686	51.684	ug/l		99
68) m/p-Xylenes	11.627	106	1066690	102.389	ug/l		99
69) o-Xylene	11.956	106	497982	51.636	ug/l		99
70) Styrene	11.969	104	827369	51.764	ug/l		100
71) Bromoform	12.133	173	155226	46.631	ug/l		100
73) Isopropylbenzene	12.255	105	1317909	51.185	ug/l		100
74) N-amyl acetate	12.072	43	231898	47.649	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	195215	45.176	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	178517m	46.118	ug/l		
77) Bromobenzene	12.529	156	311731	47.389	ug/l		99
78) n-propylbenzene	12.597	91	1546678	50.967	ug/l		99
79) 2-Chlorotoluene	12.682	91	861469	49.286	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1076849	51.423	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	66540	46.878	ug/l		96
82) 4-Chlorotoluene	12.779	91	888353	48.573	ug/l		99
83) tert-Butylbenzene	12.999	119	984769	51.922	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1057469	51.044	ug/l		99
85) sec-Butylbenzene	13.176	105	1435571	52.022	ug/l		99
86) p-Isopropyltoluene	13.292	119	1215267	52.135	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	627713	48.223	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	613219	47.563	ug/l		99
89) n-Butylbenzene	13.615	91	1080023	52.244	ug/l		100
90) Hexachloroethane	13.877	117	246822	48.841	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	542254	47.779	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30802	45.428	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	337958	51.050	ug/l		99
94) Hexachlorobutadiene	15.023	225	207755	50.756	ug/l		99
95) Naphthalene	15.145	128	546604	51.370	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	288401	50.162	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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

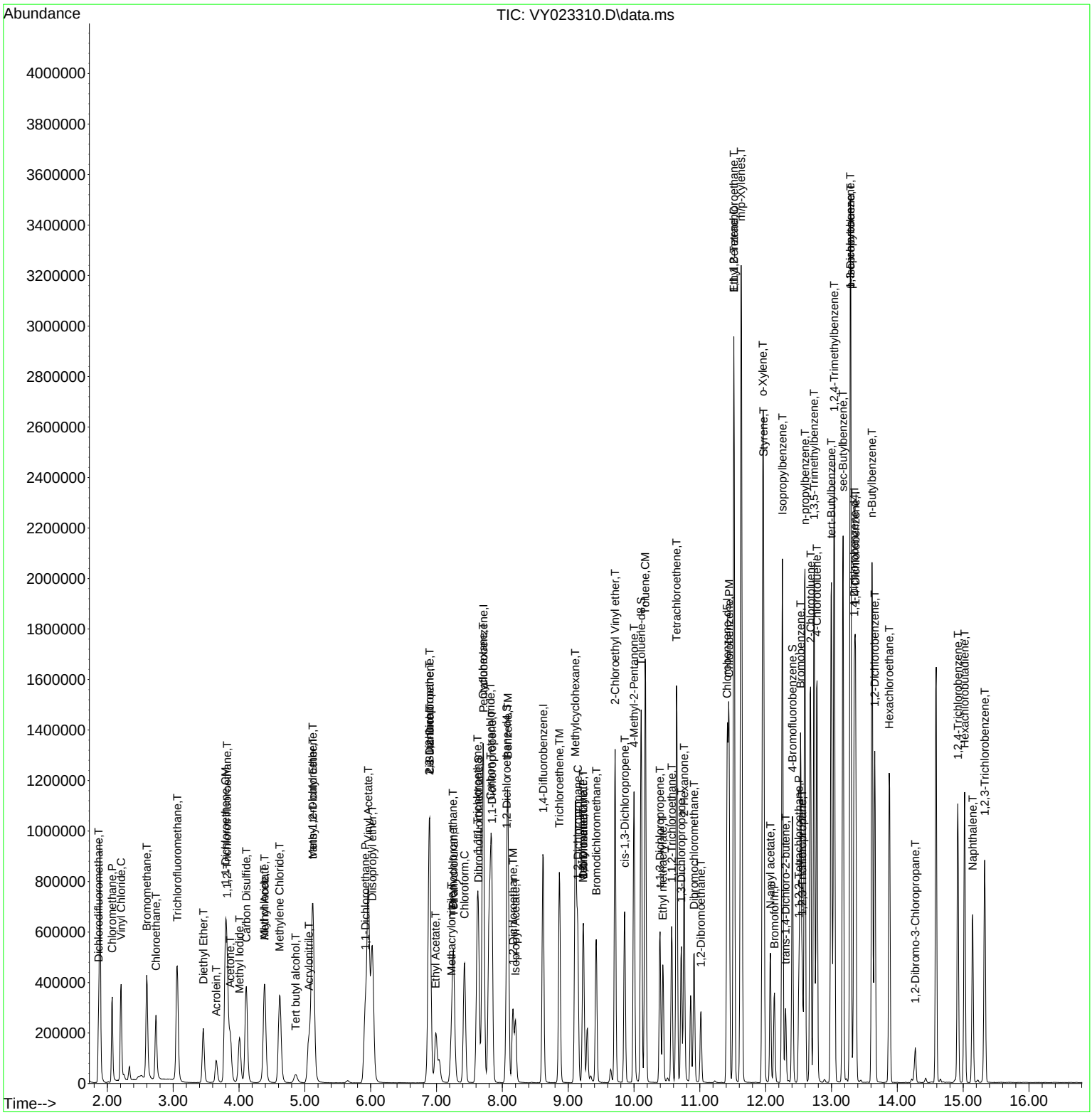
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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	107	0.00
2	T	Dichlorodifluoromethane	0.401	0.396	1.2	116	0.00
3	P	Chloromethane	0.574	0.537	6.4	107	0.00
4	C	Vinyl Chloride	0.723	0.683	5.5#	105	0.01
5	T	Bromomethane	0.590	0.525	11.0	105	0.00
6	T	Chloroethane	0.489	0.461	5.7	104	0.01
7	T	Trichlorofluoromethane	0.913	0.870	4.7	107	0.01
8	T	Diethyl Ether	0.241	0.221	8.3	99	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.491	0.470	4.3	107	0.01
10	T	Methyl Iodide	0.573	0.520	9.2	91	0.01
11	T	Tert butyl alcohol	0.025	0.023	8.0	102	0.00
12	CM	1,1-Dichloroethene	0.472	0.453	4.0#	106	0.01
13	T	Acrolein	0.043	0.038	11.6	100	0.00
14	T	Allyl chloride	0.596	0.564	5.4	101	0.00
15	T	Acrylonitrile	0.095	0.083	12.6	95	0.01
16	T	Acetone	0.100	0.098	2.0	105	0.00
17	T	Carbon Disulfide	1.495	1.402	6.2	103	0.01
18	T	Methyl Acetate	0.245	0.201	18.0	92	0.01
19	T	Methyl tert-butyl Ether	1.110	1.035	6.8	99	0.01
20	T	Methylene Chloride	0.535	0.500	6.5	106	0.01
21	T	trans-1,2-Dichloroethene	0.528	0.508	3.8	105	0.02
22	T	Diisopropyl ether	1.328	1.250	5.9	99	0.00
23	T	Vinyl Acetate	0.734	0.693	5.6	98	0.01
24	P	1,1-Dichloroethane	0.869	0.811	6.7	103	0.01
25	T	2-Butanone	0.123	0.114	7.3	100	0.01
26	T	2,2-Dichloropropane	0.767	0.744	3.0	106	0.00
27	T	cis-1,2-Dichloroethene	0.597	0.567	5.0	102	0.01
28	T	Bromochloromethane	0.342	0.314	8.2	102	0.00
29	T	Tetrahydrofuran	0.073	0.066	9.6	95	0.00
30	C	Chloroform	0.934	0.865	7.4#	102	0.01
31	T	Cyclohexane	0.769	0.721	6.2	106	0.01
32	T	1,1,1-Trichloroethane	0.834	0.786	5.8	104	0.00
33	S	1,2-Dichloroethane-d4	0.439	0.410	6.6	102	0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.01
35	S	Dibromofluoromethane	0.306	0.302	1.3	103	0.01
36	T	1,1-Dichloropropene	0.435	0.428	1.6	103	0.01
37	T	Ethyl Acetate	0.173	0.160	7.5	98	0.00
38	T	Carbon Tetrachloride	0.501	0.491	2.0	104	0.00
39	T	Methylcyclohexane	0.557	0.583	-4.7	107	0.00
40	TM	Benzene	1.353	1.309	3.3	102	0.01
41	T	Methacrylonitrile	0.134	0.086	35.8#	38#	0.00
42	TM	1,2-Dichloroethane	0.344	0.316	8.1	98	0.01
43	T	Isopropyl Acetate	0.337	0.314	6.8	96	0.00
44	TM	Trichloroethene	0.377	0.367	2.7	102	0.00
45	C	1,2-Dichloropropane	0.306	0.290	5.2#	101	0.00
46	T	Dibromomethane	0.186	0.171	8.1	97	0.00
47	T	Bromodichloromethane	0.468	0.444	5.1	100	0.00
48	T	Methyl methacrylate	0.157	0.150	4.5	95	0.01

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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	101	0.00
50	S	Toluene-d8	1.154	1.194	-3.5	107	0.00
51	T	4-Methyl-2-Pentanone	0.172	0.164	4.7	96	0.00
52	CM	Toluene	0.859	0.865	-0.7#	103	0.00
53	T	t-1,3-Dichloropropene	0.403	0.388	3.7	98	0.00
54	T	cis-1,3-Dichloropropene	0.482	0.463	3.9	99	0.00
55	T	1,1,2-Trichloroethane	0.248	0.230	7.3	98	0.00
56	T	Ethyl methacrylate	0.287	0.285	0.7	97	0.00
57	T	1,3-Dichloropropane	0.402	0.378	6.0	97	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.134	-7.2	102	0.00
59	T	2-Hexanone	0.119	0.119	0.0	101	0.00
60	T	Dibromochloromethane	0.336	0.319	5.1	99	0.00
61	T	1,2-Dibromoethane	0.232	0.217	6.5	98	0.01
62	S	4-Bromofluorobenzene	0.363	0.381	-5.0	107	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.498	0.491	1.4	100	0.00
65	PM	Chlorobenzene	1.095	1.081	1.3	102	0.00
66	T	1,1,1,2-Tetrachloroethane	0.384	0.371	3.4	100	0.00
67	C	Ethyl Benzene	1.790	1.850	-3.4#	103	0.00
68	T	m/p-Xylenes	0.717	0.734	-2.4	102	0.00
69	T	o-Xylene	0.663	0.685	-3.3	102	0.00
70	T	Styrene	1.099	1.138	-3.5	100	0.00
71	P	Bromoform	0.229	0.214	6.6	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.368	3.448	-2.4	104	0.00
74	T	N-amyl acetate	0.637	0.607	4.7	98	0.00
75	P	1,1,2,2-Tetrachloroethane	0.565	0.511	9.6	98	0.00
76	T	1,2,3-Trichloropropane	0.763	0.467	38.8#	65	0.00
77	T	Bromobenzene	0.860	0.816	5.1	100	0.00
78	T	n-propylbenzene	3.970	4.046	-1.9	103	0.00
79	T	2-Chlorotoluene	2.286	2.254	1.4	102	0.01
80	T	1,3,5-Trimethylbenzene	2.739	2.817	-2.8	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.186	0.174	6.5	101	0.00
82	T	4-Chlorotoluene	2.392	2.324	2.8	101	0.01
83	T	tert-Butylbenzene	2.481	2.576	-3.8	106	0.00
84	T	1,2,4-Trimethylbenzene	2.710	2.767	-2.1	103	0.00
85	T	sec-Butylbenzene	3.610	3.756	-4.0	106	0.00
86	T	p-Isopropyltoluene	3.049	3.179	-4.3	105	0.00
87	T	1,3-Dichlorobenzene	1.703	1.642	3.6	101	0.00
88	T	1,4-Dichlorobenzene	1.686	1.604	4.9	102	0.00
89	T	n-Butylbenzene	2.704	2.826	-4.5	104	0.00
90	T	Hexachloroethane	0.661	0.646	2.3	105	0.00
91	T	1,2-Dichlorobenzene	1.485	1.419	4.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.089	0.081	9.0	99	0.00
93	T	1,2,4-Trichlorobenzene	0.866	0.884	-2.1	105	0.00
94	T	Hexachlorobutadiene	0.535	0.544	-1.7	107	0.00
95	T	Naphthalene	1.392	1.430	-2.7	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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	0.752	0.755	-0.4	103	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\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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	107	0.00
2	T	Dichlorodifluoromethane	50.000	49.354	1.3	116	0.00
3	P	Chloromethane	50.000	46.774	6.5	107	0.00
4	C	Vinyl Chloride	50.000	47.257	5.5#	105	0.01
5	T	Bromomethane	50.000	44.443	11.1	105	0.00
6	T	Chloroethane	50.000	47.058	5.9	104	0.01
7	T	Trichlorofluoromethane	50.000	47.647	4.7	107	0.01
8	T	Diethyl Ether	50.000	45.835	8.3	99	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.898	4.2	107	0.01
10	T	Methyl Iodide	50.000	45.380	9.2	91	0.01
11	T	Tert butyl alcohol	250.000	228.563	8.6	102	0.00
12	CM	1,1-Dichloroethene	50.000	47.956	4.1#	106	0.01
13	T	Acrolein	250.000	219.309	12.3	100	0.00
14	T	Allyl chloride	50.000	47.238	5.5	101	0.00
15	T	Acrylonitrile	250.000	218.862	12.5	95	0.01
16	T	Acetone	250.000	245.343	1.9	105	0.00
17	T	Carbon Disulfide	50.000	46.908	6.2	103	0.01
18	T	Methyl Acetate	50.000	40.953	18.1	92	0.01
19	T	Methyl tert-butyl Ether	50.000	46.613	6.8	99	0.01
20	T	Methylene Chloride	50.000	46.668	6.7	106	0.01
21	T	trans-1,2-Dichloroethene	50.000	48.167	3.7	105	0.02
22	T	Diisopropyl ether	50.000	47.064	5.9	99	0.00
23	T	Vinyl Acetate	250.000	235.988	5.6	98	0.01
24	P	1,1-Dichloroethane	50.000	46.667	6.7	103	0.01
25	T	2-Butanone	250.000	231.729	7.3	100	0.01
26	T	2,2-Dichloropropane	50.000	48.512	3.0	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.432	5.1	102	0.01
28	T	Bromochloromethane	50.000	45.877	8.2	102	0.00
29	T	Tetrahydrofuran	250.000	224.495	10.2	95	0.00
30	C	Chloroform	50.000	46.322	7.4#	102	0.01
31	T	Cyclohexane	50.000	46.872	6.3	106	0.01
32	T	1,1,1-Trichloroethane	50.000	47.144	5.7	104	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.697	6.6	102	0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	106	0.01
35	S	Dibromofluoromethane	50.000	49.405	1.2	103	0.01
36	T	1,1-Dichloropropene	50.000	49.154	1.7	103	0.01
37	T	Ethyl Acetate	50.000	46.108	7.8	98	0.00
38	T	Carbon Tetrachloride	50.000	49.012	2.0	104	0.00
39	T	Methylcyclohexane	50.000	52.321	-4.6	107	0.00
40	TM	Benzene	50.000	48.379	3.2	102	0.01
41	T	Methacrylonitrile	50.000	47.767	4.5	38	0.00
42	TM	1,2-Dichloroethane	50.000	45.837	8.3	98	0.01
43	T	Isopropyl Acetate	50.000	46.679	6.6	96	0.00
44	TM	Trichloroethene	50.000	48.660	2.7	102	0.00
45	C	1,2-Dichloropropane	50.000	47.514	5.0#	101	0.00
46	T	Dibromomethane	50.000	45.913	8.2	97	0.00
47	T	Bromodichloromethane	50.000	47.374	5.3	100	0.00
48	T	Methyl methacrylate	50.000	47.887	4.2	95	0.01

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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	956.973	4.3	101	0.00
50	S	Toluene-d8	50.000	51.748	-3.5	107	0.00
51	T	4-Methyl-2-Pentanone	250.000	238.107	4.8	96	0.00
52	CM	Toluene	50.000	50.367	-0.7#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	48.119	3.8	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.075	3.8	99	0.00
55	T	1,1,2-Trichloroethane	50.000	46.483	7.0	98	0.00
56	T	Ethyl methacrylate	50.000	49.654	0.7	97	0.00
57	T	1,3-Dichloropropane	50.000	47.011	6.0	97	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.741	-7.5	102	0.00
59	T	2-Hexanone	250.000	249.775	0.1	101	0.00
60	T	Dibromochloromethane	50.000	47.521	5.0	99	0.00
61	T	1,2-Dibromoethane	50.000	46.841	6.3	98	0.01
62	S	4-Bromofluorobenzene	50.000	52.495	-5.0	107	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	49.218	1.6	100	0.00
65	PM	Chlorobenzene	50.000	49.335	1.3	102	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.186	3.6	100	0.00
67	C	Ethyl Benzene	50.000	51.684	-3.4#	103	0.00
68	T	m/p-Xylenes	100.000	102.389	-2.4	102	0.00
69	T	o-Xylene	50.000	51.636	-3.3	102	0.00
70	T	Styrene	50.000	51.764	-3.5	100	0.00
71	P	Bromoform	50.000	46.631	6.7	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	51.185	-2.4	104	0.00
74	T	N-amyl acetate	50.000	47.649	4.7	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.176	9.6	98	0.00
76	T	1,2,3-Trichloropropane	50.000	46.118	7.8	65	0.00
77	T	Bromobenzene	50.000	47.389	5.2	100	0.00
78	T	n-propylbenzene	50.000	50.967	-1.9	103	0.00
79	T	2-Chlorotoluene	50.000	49.286	1.4	102	0.01
80	T	1,3,5-Trimethylbenzene	50.000	51.423	-2.8	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.878	6.2	101	0.00
82	T	4-Chlorotoluene	50.000	48.573	2.9	101	0.01
83	T	tert-Butylbenzene	50.000	51.922	-3.8	106	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.044	-2.1	103	0.00
85	T	sec-Butylbenzene	50.000	52.022	-4.0	106	0.00
86	T	p-Isopropyltoluene	50.000	52.135	-4.3	105	0.00
87	T	1,3-Dichlorobenzene	50.000	48.223	3.6	101	0.00
88	T	1,4-Dichlorobenzene	50.000	47.563	4.9	102	0.00
89	T	n-Butylbenzene	50.000	52.244	-4.5	104	0.00
90	T	Hexachloroethane	50.000	48.841	2.3	105	0.00
91	T	1,2-Dichlorobenzene	50.000	47.779	4.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.428	9.1	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.050	-2.1	105	0.00
94	T	Hexachlorobutadiene	50.000	50.756	-1.5	107	0.00
95	T	Naphthalene	50.000	51.370	-2.7	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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	50.162	-0.3	103	0.00

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

Raw Data: **VY023363.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: GENV01
Lab Code: ACE
SDG No.: Q3174
Instrument ID: MSVOA_Y
Calibration Date/Time: 09/25/2025 10:02
Lab File ID: VY023363.D
Init. Calib. Date(s): 09/08/2025 09/08/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 10:00 12:08
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.401	0.347		-13.47	20
Chloromethane	0.574	0.513	0.1	-10.63	20
Vinyl Chloride	0.723	0.651		-9.96	20
Bromomethane	0.590	0.501		-15.09	20
Chloroethane	0.489	0.440		-10.02	20
Trichlorofluoromethane	0.913	0.858		-6.02	20
1,1,2-Trichlorotrifluoroethane	0.491	0.453		-7.74	20
1,1-Dichloroethene	0.472	0.440		-6.78	20
Acetone	0.100	0.106		6	20
Carbon Disulfide	1.495	1.319		-11.77	20
Methyl tert-butyl Ether	1.110	1.110		0	20
Methyl Acetate	0.245	0.257		4.9	20
Methylene Chloride	0.535	0.544		1.68	20
trans-1,2-Dichloroethene	0.528	0.495		-6.25	20
1,1-Dichloroethane	0.869	0.815	0.1	-6.21	20
Cyclohexane	0.769	0.704		-8.45	20
2-Butanone	0.123	0.127		3.25	20
Carbon Tetrachloride	0.501	0.484		-3.39	20
cis-1,2-Dichloroethene	0.597	0.580		-2.85	20
Bromochloromethane	0.342	0.284		-16.96	20
Chloroform	0.934	0.878		-6	20
1,1,1-Trichloroethane	0.834	0.785		-5.88	20
Methylcyclohexane	0.557	0.557		0	20
Benzene	1.353	1.301		-3.84	20
1,2-Dichloroethane	0.344	0.329		-4.36	20
Trichloroethene	0.377	0.363		-3.71	20
1,2-Dichloropropane	0.306	0.290		-5.23	20
Bromodichloromethane	0.468	0.447		-4.49	20
4-Methyl-2-Pentanone	0.172	0.175		1.74	20
Toluene	0.859	0.840		-2.21	20
t-1,3-Dichloropropene	0.403	0.406		0.74	20
cis-1,3-Dichloropropene	0.482	0.483		0.21	20
1,1,2-Trichloroethane	0.248	0.236		-4.84	20
2-Hexanone	0.119	0.126		5.88	20
Dibromochloromethane	0.336	0.329		-2.08	20
1,2-Dibromoethane	0.232	0.229		-1.29	20
Tetrachloroethene	0.498	0.470		-5.62	20
Chlorobenzene	1.095	1.073	0.3	-2.01	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: **VY023363.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3174

Instrument ID: MSVOA_Y Calibration Date/Time: 09/25/2025 10:02

Lab File ID: VY023363.D Init. Calib. Date(s): 09/08/2025 09/08/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:00 12:08

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.790	1.812		1.23	20
m/p-Xylenes	0.717	0.727		1.39	20
o-Xylene	0.663	0.683		3.02	20
Styrene	1.099	1.125		2.37	20
Bromoform	0.229	0.230	0.1	0.44	20
Isopropylbenzene	3.368	3.409		1.22	20
1,1,2,2-Tetrachloroethane	0.565	0.558	0.3	-1.24	20
1,3-Dichlorobenzene	1.703	1.687		-0.94	20
1,4-Dichlorobenzene	1.686	1.634		-3.08	20
1,2-Dichlorobenzene	1.485	1.468		-1.14	20
1,2-Dibromo-3-Chloropropane	0.089	0.085		-4.49	20
1,2,4-Trichlorobenzene	0.866	0.926		6.93	20
1,2,3-Trichlorobenzene	0.752	0.791		5.19	20
1,2-Dichloroethane-d4	0.439	0.422		-3.87	20
Dibromofluoromethane	0.306	0.299		-2.29	20
Toluene-d8	1.154	1.144		-0.87	20
4-Bromofluorobenzene	0.363	0.376		3.58	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: **VY023363.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023363.D
Acq On : 25 Sep 2025 10:02
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 26 04:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	631796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	940041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	821307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	424523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	266495	48.003	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.000%			
35) Dibromofluoromethane	7.634	113	281102	48.920	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.840%			
50) Toluene-d8	10.109	98	1075615	49.573	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.140%			
62) 4-Bromofluorobenzene	12.402	95	353510	51.772	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	219036	43.213	ug/l	99
3) Chloromethane	2.074	50	324116	44.687	ug/l	99
4) Vinyl Chloride	2.208	62	411223	45.005	ug/l	99
5) Bromomethane	2.598	94	316241	42.386	ug/l	100
6) Chloroethane	2.733	64	278305	45.008	ug/l	100
7) Trichlorofluoromethane	3.056	101	542326	47.025	ug/l	98
8) Diethyl Ether	3.452	74	149197	48.892	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.818	101	285901	46.097	ug/l	95
10) Methyl Iodide	4.007	142	342636	47.358	ug/l	99
11) Tert butyl alcohol	4.854	59	98803	308.005	ug/l	97
12) 1,1-Dichloroethene	3.787	96	277961	46.587	ug/l	91
13) Acrolein	3.653	56	39830	73.445	ug/l	100
14) Allyl chloride	4.385	41	366800	48.667	ug/l	97
15) Acrylonitrile	5.055	53	286377	238.392	ug/l	100
16) Acetone	3.867	43	334186	264.267	ug/l	97
17) Carbon Disulfide	4.104	76	833060	44.101	ug/l	98
18) Methyl Acetate	4.385	43	162622	52.424	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	701068	49.973	ug/l	99
20) Methylene Chloride	4.616	84	343429	50.761	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	312425	46.866	ug/l	95
22) Diisopropyl ether	6.019	45	814549	48.527	ug/l	96
23) Vinyl Acetate	5.958	43	2254041	242.905	ug/l	97
24) 1,1-Dichloroethane	5.915	63	514850	46.895	ug/l	98
25) 2-Butanone	6.890	43	401194	257.768	ug/l	96
26) 2,2-Dichloropropane	6.884	77	473929	48.889	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	366719	48.577	ug/l	95
28) Bromochloromethane	7.244	49	179521	41.556	ug/l	86
29) Tetrahydrofuran	7.262	42	226091	244.906	ug/l	95
30) Chloroform	7.421	83	554518	47.008	ug/l	97
31) Cyclohexane	7.701	56	444531	45.756	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	495816	47.045	ug/l	99
36) 1,1-Dichloropropene	7.835	75	388271	47.442	ug/l	98
37) Ethyl Acetate	6.982	43	154849	47.564	ug/l	97
38) Carbon Tetrachloride	7.817	117	455219	48.340	ug/l	97
39) Methylcyclohexane	9.109	83	523772	50.026	ug/l	95
40) Benzene	8.079	78	1222631	48.062	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023363.D
Acq On : 25 Sep 2025 10:02
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 26 04:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	80921	47.998	ug/l	#	85
42) 1,2-Dichloroethane	8.158	62	309339	47.762	ug/l		98
43) Isopropyl Acetate	8.195	43	304406	48.073	ug/l		96
44) Trichloroethene	8.866	130	341164	48.150	ug/l		96
45) 1,2-Dichloropropane	9.140	63	272689	47.464	ug/l		100
46) Dibromomethane	9.231	93	166393	47.558	ug/l		94
47) Bromodichloromethane	9.420	83	420279	47.748	ug/l		99
48) Methyl methacrylate	9.219	41	150404	50.960	ug/l		96
49) 1,4-Dioxane	9.225	88	39920	1124.007	ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	820313	253.220	ug/l		98
52) Toluene	10.170	92	789225	48.888	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	381213	50.304	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	453573	50.090	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	221391	47.569	ug/l		99
56) Ethyl methacrylate	10.439	69	277203	51.410	ug/l		96
57) 1,3-Dichloropropane	10.713	76	363202	48.071	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	586918	249.745	ug/l		94
59) 2-Hexanone	10.762	43	594562	265.491	ug/l		99
60) Dibromochloromethane	10.908	129	309540	49.019	ug/l		100
61) 1,2-Dibromoethane	11.012	107	215067	49.315	ug/l		100
64) Tetrachloroethene	10.646	164	385894	47.143	ug/l		95
65) Chlorobenzene	11.438	112	881228	48.977	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.512	131	309255	48.968	ug/l		98
67) Ethyl Benzene	11.518	91	1488495	50.638	ug/l		98
68) m/p-Xylenes	11.627	106	1194332	101.469	ug/l		96
69) o-Xylene	11.950	106	560860	51.473	ug/l		99
70) Styrene	11.969	104	924109	51.173	ug/l		98
71) Bromoform	12.127	173	189182	50.302	ug/l	#	99
73) Isopropylbenzene	12.249	105	1447151	50.607	ug/l		99
74) N-amyl acetate	12.066	43	269321	49.826	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	236928	49.368	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	201640m	46.903	ug/l		
77) Bromobenzene	12.530	156	364321	49.868	ug/l		93
78) n-propylbenzene	12.591	91	1708199	50.683	ug/l		98
79) 2-Chlorotoluene	12.676	91	978791	50.421	ug/l		98
80) 1,3,5-Trimethylbenzene	12.731	105	1192647	51.280	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.298	75	79277	50.289	ug/l		98
82) 4-Chlorotoluene	12.773	91	1000593	49.261	ug/l		97
83) tert-Butylbenzene	12.993	119	1077272	51.142	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	1184295	51.473	ug/l		98
85) sec-Butylbenzene	13.170	105	1577053	51.457	ug/l		99
86) p-Isopropyltoluene	13.286	119	1340078	51.763	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	716192	49.541	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	693824	48.455	ug/l		98
89) n-Butylbenzene	13.615	91	1195485	52.069	ug/l		99
90) Hexachloroethane	13.877	117	269461	48.010	ug/l		91
91) 1,2-Dichlorobenzene	13.657	146	623053	49.430	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	36045	47.866	ug/l		87
93) 1,2,4-Trichlorobenzene	14.919	180	393266	53.488	ug/l		98
94) Hexachlorobutadiene	15.017	225	242483	53.340	ug/l		99
95) Naphthalene	15.139	128	645489	54.621	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	335641	52.564	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023363.D
Acq On : 25 Sep 2025 10:02
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 26 04:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

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

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

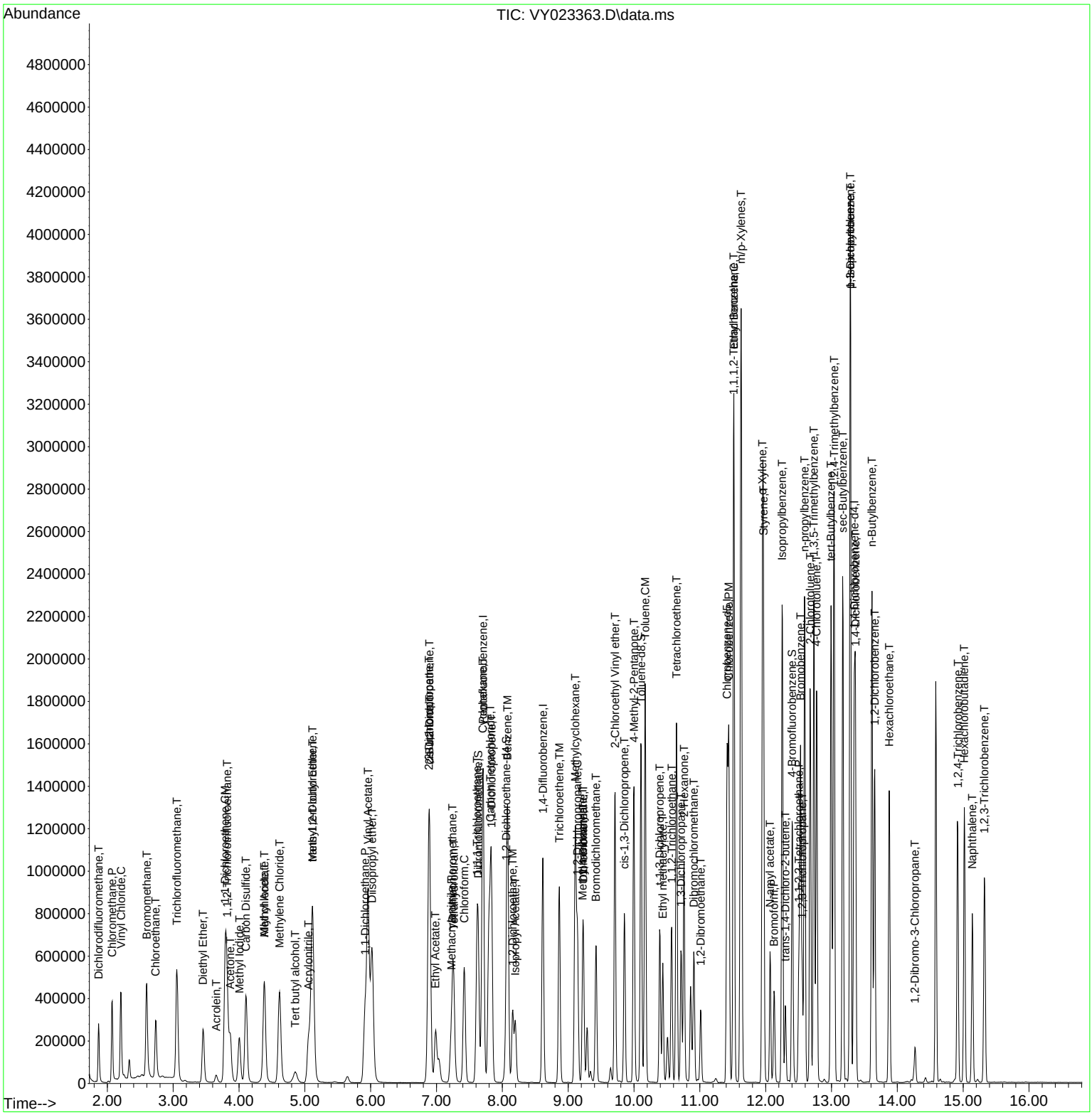
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023363.D
Acq On : 25 Sep 2025 10:02
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 26 04:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



Sample Results: **VY023363.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023363.D
Acq On : 25 Sep 2025 10:02
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: Sep 26 04:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 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	120	0.00
2	T	Dichlorodifluoromethane	0.401	0.347	13.5	114	0.00
3	P	Chloromethane	0.574	0.513	10.6	115	0.00
4	C	Vinyl Chloride	0.723	0.651	10.0#	112	0.01
5	T	Bromomethane	0.590	0.501	15.1	113	0.00
6	T	Chloroethane	0.489	0.440	10.0	112	0.00
7	T	Trichlorofluoromethane	0.913	0.858	6.0	118	0.00
8	T	Diethyl Ether	0.241	0.236	2.1	119	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.491	0.453	7.7	116	0.01
10	T	Methyl Iodide	0.573	0.542	5.4	107	0.01
11	T	Tert butyl alcohol	0.025	0.031	-24.0	154#	0.00
12	CM	1,1-Dichloroethene	0.472	0.440	6.8#	115	0.00
13	T	Acrolein	0.043	0.013	69.8#	37#	0.00
14	T	Allyl chloride	0.596	0.581	2.5	117	0.00
15	T	Acrylonitrile	0.095	0.091	4.2	116	0.00
16	T	Acetone	0.100	0.106	-6.0	127	0.00
17	T	Carbon Disulfide	1.495	1.319	11.8	109	0.00
18	T	Methyl Acetate	0.245	0.257	-4.9	132	0.00
19	T	Methyl tert-butyl Ether	1.110	1.110	0.0	119	0.00
20	T	Methylene Chloride	0.535	0.544	-1.7	130	0.01
21	T	trans-1,2-Dichloroethene	0.528	0.495	6.3	114	0.01
22	T	Diisopropyl ether	1.328	1.289	2.9	114	0.00
23	T	Vinyl Acetate	0.734	0.714	2.7	113	0.00
24	P	1,1-Dichloroethane	0.869	0.815	6.2	116	0.00
25	T	2-Butanone	0.123	0.127	-3.3	125	0.00
26	T	2,2-Dichloropropane	0.767	0.750	2.2	120	0.00
27	T	cis-1,2-Dichloroethene	0.597	0.580	2.8	118	0.00
28	T	Bromochloromethane	0.342	0.284	17.0	104	0.00
29	T	Tetrahydrofuran	0.073	0.072	1.4	117	0.00
30	C	Chloroform	0.934	0.878	6.0#	116	0.00
31	T	Cyclohexane	0.769	0.704	8.5	116	0.00
32	T	1,1,1-Trichloroethane	0.834	0.785	5.9	117	0.00
33	S	1,2-Dichloroethane-d4	0.439	0.422	3.9	118	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	121	0.00
35	S	Dibromofluoromethane	0.306	0.299	2.3	116	0.00
36	T	1,1-Dichloropropene	0.435	0.413	5.1	113	0.00
37	T	Ethyl Acetate	0.173	0.165	4.6	114	0.00
38	T	Carbon Tetrachloride	0.501	0.484	3.4	116	0.00
39	T	Methylcyclohexane	0.557	0.557	0.0	116	0.00
40	TM	Benzene	1.353	1.301	3.8	115	0.00
41	T	Methacrylonitrile	0.090	0.086	4.4	115	0.00
42	TM	1,2-Dichloroethane	0.344	0.329	4.4	115	0.00
43	T	Isopropyl Acetate	0.337	0.324	3.9	113	0.00
44	TM	Trichloroethene	0.377	0.363	3.7	115	0.00
45	C	1,2-Dichloropropane	0.306	0.290	5.2#	115	0.00
46	T	Dibromomethane	0.186	0.177	4.8	114	0.00
47	T	Bromodichloromethane	0.468	0.447	4.5	114	0.00
48	T	Methyl methacrylate	0.157	0.160	-1.9	115	0.00

Sample Results: **VY023363.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023363.D
Acq On : 25 Sep 2025 10:02
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: Sep 26 04:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 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	135	0.00
50	S	Toluene-d8	1.154	1.144	0.9	116	0.00
51	T	4-Methyl-2-Pentanone	0.172	0.175	-1.7	116	0.00
52	CM	Toluene	0.859	0.840	2.2#	113	0.00
53	T	t-1,3-Dichloropropene	0.403	0.406	-0.7	116	0.00
54	T	cis-1,3-Dichloropropene	0.482	0.483	-0.2	117	0.00
55	T	1,1,2-Trichloroethane	0.248	0.236	4.8	114	0.00
56	T	Ethyl methacrylate	0.287	0.295	-2.8	114	0.00
57	T	1,3-Dichloropropane	0.402	0.386	4.0	113	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.125	0.0	107	0.00
59	T	2-Hexanone	0.119	0.126	-5.9	121	0.00
60	T	Dibromochloromethane	0.336	0.329	2.1	116	0.00
61	T	1,2-Dibromoethane	0.232	0.229	1.3	117	0.00
62	S	4-Bromofluorobenzene	0.363	0.376	-3.6	120	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	118	0.00
64	T	Tetrachloroethene	0.498	0.470	5.6	109	0.00
65	PM	Chlorobenzene	1.095	1.073	2.0	115	0.00
66	T	1,1,1,2-Tetrachloroethane	0.384	0.377	1.8	115	0.00
67	C	Ethyl Benzene	1.790	1.812	-1.2#	114	0.00
68	T	m/p-Xylenes	0.717	0.727	-1.4	114	0.00
69	T	o-Xylene	0.663	0.683	-3.0	115	0.00
70	T	Styrene	1.099	1.125	-2.4	112	0.00
71	P	Bromoform	0.229	0.230	-0.4	118	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00
73	T	Isopropylbenzene	3.368	3.409	-1.2	115	0.00
74	T	N-amyl acetate	0.637	0.634	0.5	114	0.00
75	P	1,1,2,2-Tetrachloroethane	0.565	0.558	1.2	120	0.00
76	T	1,2,3-Trichloropropane	0.506	0.475	6.1	111	0.00
77	T	Bromobenzene	0.860	0.858	0.2	116	0.00
78	T	n-propylbenzene	3.970	4.024	-1.4	114	0.00
79	T	2-Chlorotoluene	2.286	2.306	-0.9	116	0.00
80	T	1,3,5-Trimethylbenzene	2.739	2.809	-2.6	116	0.00
81	T	trans-1,4-Dichloro-2-butene	0.186	0.187	-0.5	120	0.00
82	T	4-Chlorotoluene	2.392	2.357	1.5	114	0.00
83	T	tert-Butylbenzene	2.481	2.538	-2.3	116	0.00
84	T	1,2,4-Trimethylbenzene	2.710	2.790	-3.0	115	0.00
85	T	sec-Butylbenzene	3.610	3.715	-2.9	116	0.00
86	T	p-Isopropyltoluene	3.049	3.157	-3.5	115	0.00
87	T	1,3-Dichlorobenzene	1.703	1.687	0.9	115	0.00
88	T	1,4-Dichlorobenzene	1.686	1.634	3.1	115	0.00
89	T	n-Butylbenzene	2.704	2.816	-4.1	115	0.00
90	T	Hexachloroethane	0.661	0.635	3.9	115	0.00
91	T	1,2-Dichlorobenzene	1.485	1.468	1.1	116	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.089	0.085	4.5	116	0.00
93	T	1,2,4-Trichlorobenzene	0.866	0.926	-6.9	122	0.00
94	T	Hexachlorobutadiene	0.535	0.571	-6.7	125	0.00
95	T	Naphthalene	1.392	1.521	-9.3	119	0.00

Sample Results: **VY023363.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023363.D
Acq On : 25 Sep 2025 10:02
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: Sep 26 04:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 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	0.752	0.791	-5.2	120	0.00

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

Sample Results: **VY023363.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023363.D
Acq On : 25 Sep 2025 10:02
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: Sep 26 04:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 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	120	0.00
2	T	Dichlorodifluoromethane	50.000	43.213	13.6	114	0.00
3	P	Chloromethane	50.000	44.687	10.6	115	0.00
4	C	Vinyl Chloride	50.000	45.005	10.0#	112	0.01
5	T	Bromomethane	50.000	42.386	15.2	113	0.00
6	T	Chloroethane	50.000	45.008	10.0	112	0.00
7	T	Trichlorofluoromethane	50.000	47.025	6.0	118	0.00
8	T	Diethyl Ether	50.000	48.892	2.2	119	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.097	7.8	116	0.01
10	T	Methyl Iodide	50.000	47.358	5.3	107	0.01
11	T	Tert butyl alcohol	250.000	308.005	-23.2	154	0.00
12	CM	1,1-Dichloroethene	50.000	46.587	6.8#	115	0.00
13	T	Acrolein	250.000	73.445	70.6#	37	0.00
14	T	Allyl chloride	50.000	48.667	2.7	117	0.00
15	T	Acrylonitrile	250.000	238.392	4.6	116	0.00
16	T	Acetone	250.000	264.267	-5.7	127	0.00
17	T	Carbon Disulfide	50.000	44.101	11.8	109	0.00
18	T	Methyl Acetate	50.000	52.424	-4.8	132	0.00
19	T	Methyl tert-butyl Ether	50.000	49.973	0.1	119	0.00
20	T	Methylene Chloride	50.000	50.761	-1.5	130	0.01
21	T	trans-1,2-Dichloroethene	50.000	46.866	6.3	114	0.01
22	T	Diisopropyl ether	50.000	48.527	2.9	114	0.00
23	T	Vinyl Acetate	250.000	242.905	2.8	113	0.00
24	P	1,1-Dichloroethane	50.000	46.895	6.2	116	0.00
25	T	2-Butanone	250.000	257.768	-3.1	125	0.00
26	T	2,2-Dichloropropane	50.000	48.889	2.2	120	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.577	2.8	118	0.00
28	T	Bromochloromethane	50.000	41.556	16.9	104	0.00
29	T	Tetrahydrofuran	250.000	244.906	2.0	117	0.00
30	C	Chloroform	50.000	47.008	6.0#	116	0.00
31	T	Cyclohexane	50.000	45.756	8.5	116	0.00
32	T	1,1,1-Trichloroethane	50.000	47.045	5.9	117	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.003	4.0	118	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	121	0.00
35	S	Dibromofluoromethane	50.000	48.920	2.2	116	0.00
36	T	1,1-Dichloropropene	50.000	47.442	5.1	113	0.00
37	T	Ethyl Acetate	50.000	47.564	4.9	114	0.00
38	T	Carbon Tetrachloride	50.000	48.340	3.3	116	0.00
39	T	Methylcyclohexane	50.000	50.026	-0.1	116	0.00
40	TM	Benzene	50.000	48.062	3.9	115	0.00
41	T	Methacrylonitrile	50.000	47.998	4.0	115	0.00
42	TM	1,2-Dichloroethane	50.000	47.762	4.5	115	0.00
43	T	Isopropyl Acetate	50.000	48.073	3.9	113	0.00
44	TM	Trichloroethene	50.000	48.150	3.7	115	0.00
45	C	1,2-Dichloropropane	50.000	47.464	5.1#	115	0.00
46	T	Dibromomethane	50.000	47.558	4.9	114	0.00
47	T	Bromodichloromethane	50.000	47.748	4.5	114	0.00
48	T	Methyl methacrylate	50.000	50.960	-1.9	115	0.00

Sample Results: **VY023363.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023363.D
Acq On : 25 Sep 2025 10:02
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: Sep 26 04:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 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	1124.007	-12.4	135	0.00
50	S	Toluene-d8	50.000	49.573	0.9	116	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.220	-1.3	116	0.00
52	CM	Toluene	50.000	48.888	2.2#	113	0.00
53	T	t-1,3-Dichloropropene	50.000	50.304	-0.6	116	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.090	-0.2	117	0.00
55	T	1,1,2-Trichloroethane	50.000	47.569	4.9	114	0.00
56	T	Ethyl methacrylate	50.000	51.410	-2.8	114	0.00
57	T	1,3-Dichloropropane	50.000	48.071	3.9	113	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	249.745	0.1	107	0.00
59	T	2-Hexanone	250.000	265.491	-6.2	121	0.00
60	T	Dibromochloromethane	50.000	49.019	2.0	116	0.00
61	T	1,2-Dibromoethane	50.000	49.315	1.4	117	0.00
62	S	4-Bromofluorobenzene	50.000	51.772	-3.5	120	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	118	0.00
64	T	Tetrachloroethene	50.000	47.143	5.7	109	0.00
65	PM	Chlorobenzene	50.000	48.977	2.0	115	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.968	2.1	115	0.00
67	C	Ethyl Benzene	50.000	50.638	-1.3#	114	0.00
68	T	m/p-Xylenes	100.000	101.469	-1.5	114	0.00
69	T	o-Xylene	50.000	51.473	-2.9	115	0.00
70	T	Styrene	50.000	51.173	-2.3	112	0.00
71	P	Bromoform	50.000	50.302	-0.6	118	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	119	0.00
73	T	Isopropylbenzene	50.000	50.607	-1.2	115	0.00
74	T	N-amyl acetate	50.000	49.826	0.3	114	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.368	1.3	120	0.00
76	T	1,2,3-Trichloropropane	50.000	46.903	6.2	111	0.00
77	T	Bromobenzene	50.000	49.868	0.3	116	0.00
78	T	n-propylbenzene	50.000	50.683	-1.4	114	0.00
79	T	2-Chlorotoluene	50.000	50.421	-0.8	116	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.280	-2.6	116	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.289	-0.6	120	0.00
82	T	4-Chlorotoluene	50.000	49.261	1.5	114	0.00
83	T	tert-Butylbenzene	50.000	51.142	-2.3	116	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.473	-2.9	115	0.00
85	T	sec-Butylbenzene	50.000	51.457	-2.9	116	0.00
86	T	p-Isopropyltoluene	50.000	51.763	-3.5	115	0.00
87	T	1,3-Dichlorobenzene	50.000	49.541	0.9	115	0.00
88	T	1,4-Dichlorobenzene	50.000	48.455	3.1	115	0.00
89	T	n-Butylbenzene	50.000	52.069	-4.1	115	0.00
90	T	Hexachloroethane	50.000	48.010	4.0	115	0.00
91	T	1,2-Dichlorobenzene	50.000	49.430	1.1	116	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.866	4.3	116	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.488	-7.0	122	0.00
94	T	Hexachlorobutadiene	50.000	53.340	-6.7	125	0.00
95	T	Naphthalene	50.000	54.621	-9.2	119	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023363.D
Acq On : 25 Sep 2025 10:02
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: Sep 26 04:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 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	52.564	-5.1	120	0.00

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

QC SAMPLE DATA

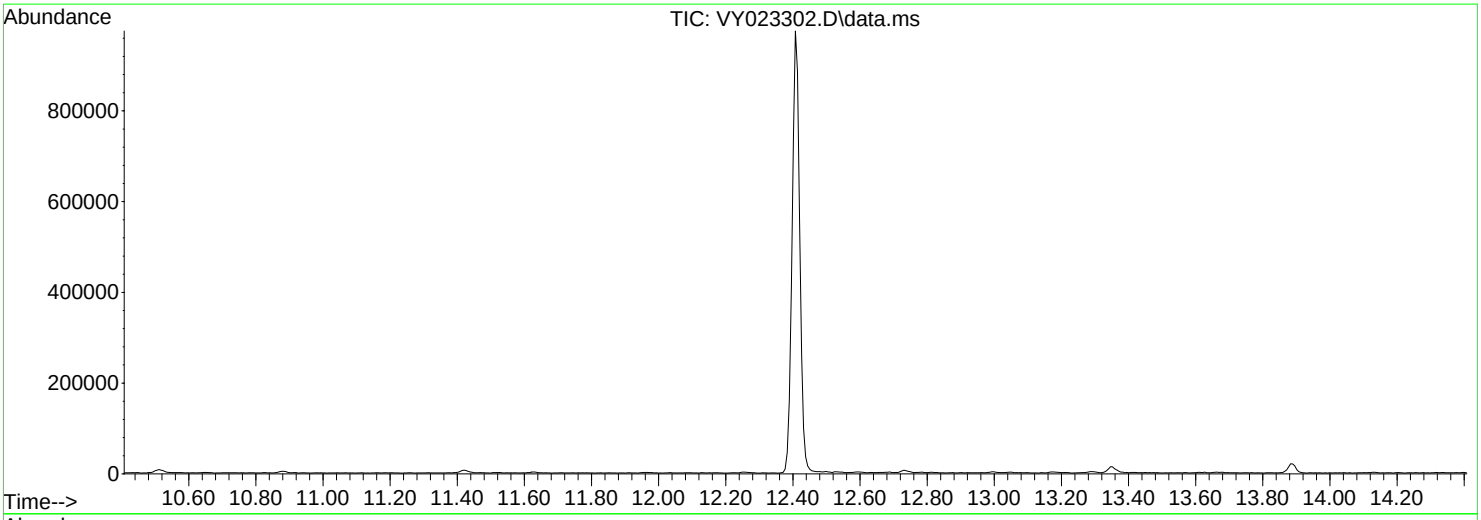
Sample Results: **VY023302.D**

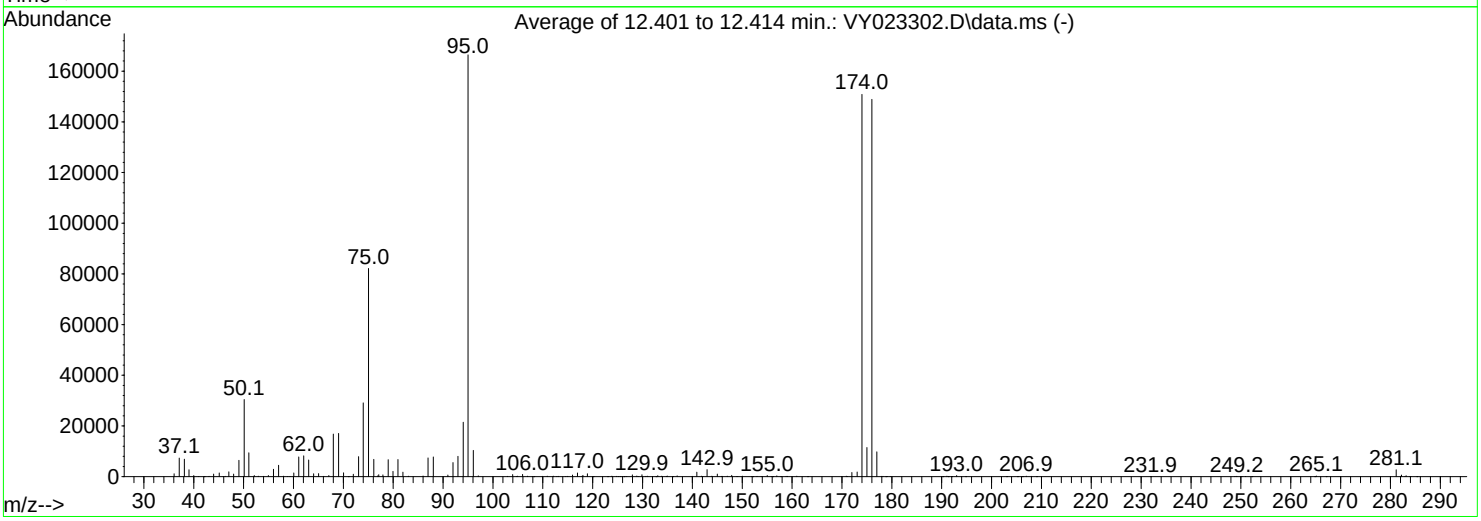
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023302.D
Acq On : 08 Sep 2025 09:07
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Title : SW846 8260
Last Update : Tue Sep 09 02:06:08 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	18.3	30416	PASS
75	95	30	60	49.4	82160	PASS
95	95	100	100	100.0	166443	PASS
96	95	5	9	6.2	10390	PASS
173	174	0.00	2	1.2	1857	PASS
174	95	50	100	90.6	150859	PASS
175	174	5	9	7.6	11485	PASS
176	174	95	101	98.7	148856	PASS
177	176	5	9	6.6	9762	PASS

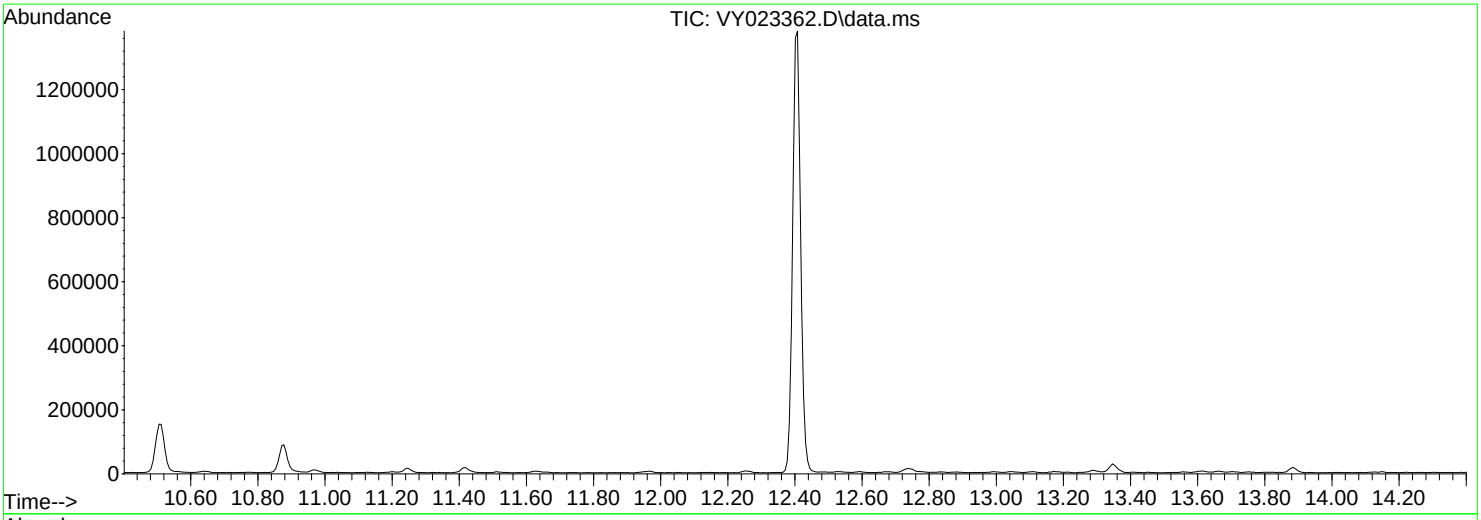
Sample Results: **VY023362.D**

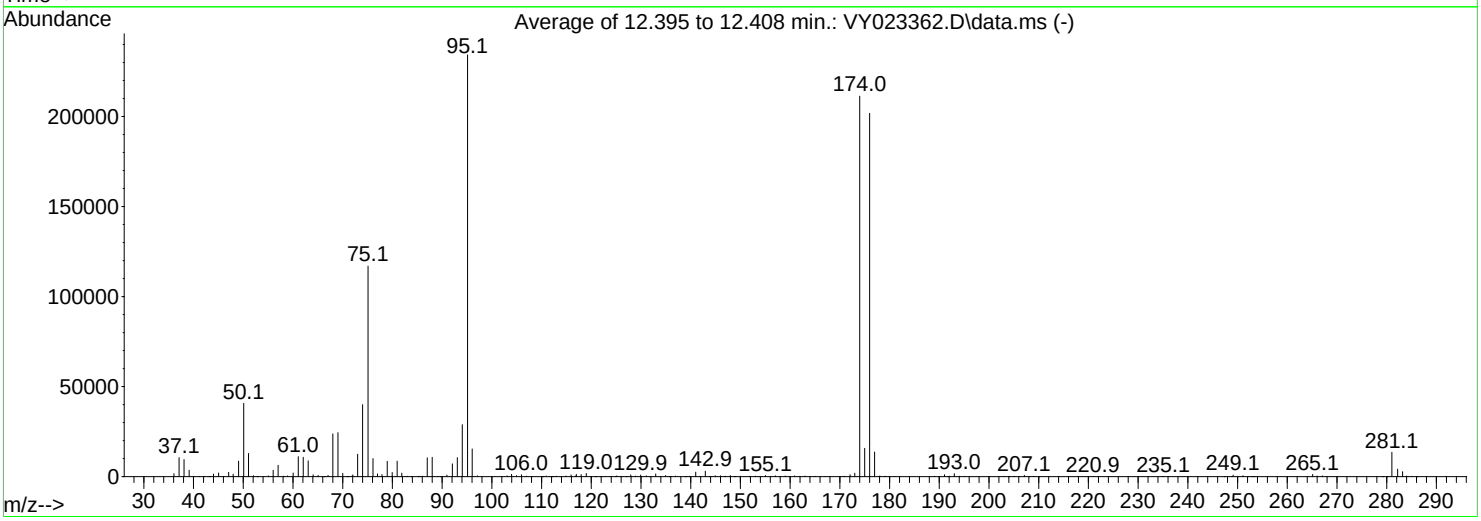
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023362.D
Acq On : 25 Sep 2025 09:30
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Title : SW846 8260
Last Update : Wed Sep 10 01:44:33 2025





AutoFind: Scans 1751, 1752, 1753; 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	17.4	40680	PASS
75	95	30	60	49.9	116899	PASS
95	95	100	100	100.0	234240	PASS
96	95	5	9	6.6	15395	PASS
173	174	0.00	2	0.9	1983	PASS
174	95	50	100	90.2	211328	PASS
175	174	5	9	7.4	15700	PASS
176	174	95	101	95.5	201771	PASS
177	176	5	9	6.8	13691	PASS

Raw Data: **VY023364.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0925SBL01	SDG No.:	Q3174
Lab Sample ID:	VY0925SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023364.D	1	09/25/25 10:39	VY092525

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0925SBL01	SDG No.:	Q3174
Lab Sample ID:	VY0925SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023364.D	1	09/25/25 10:39	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	49.0		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		17 - 146	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	702000	7.707			
540-36-3	1,4-Difluorobenzene	1240000	8.616			
3114-55-4	Chlorobenzene-d5	1150000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	542000	13.347			

Raw Data: **VY023364.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0925SBL01	SDG No.:	Q3174
Lab Sample ID:	VY0925SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023364.D	1	09/25/25 10:39	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023364.D
Acq On : 25 Sep 2025 10:39
Operator : SY/MD
Sample : VY0925SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBL01

Quant Time: Sep 26 04:21:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

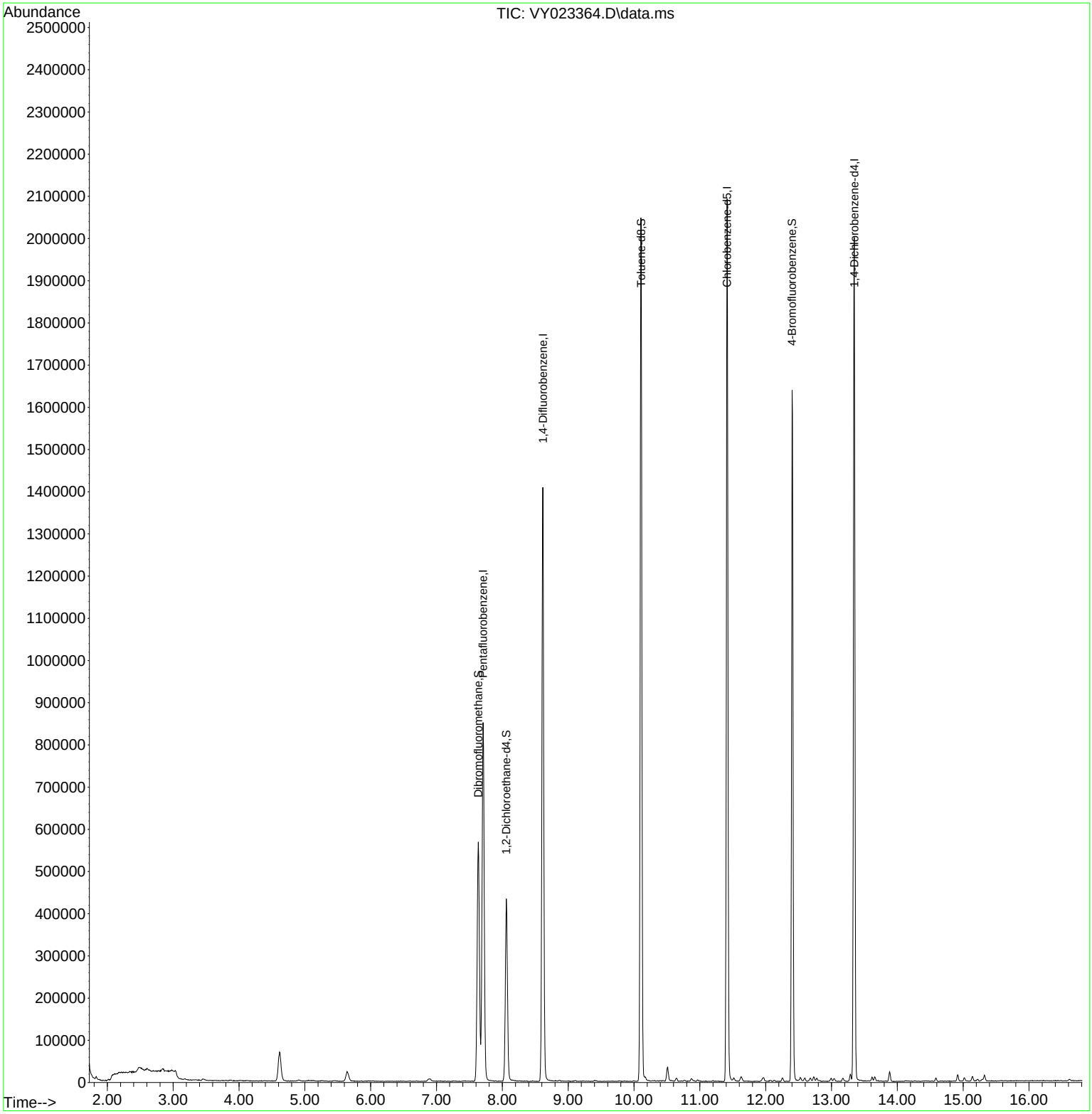
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	701667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1240929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1153810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	541851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	333209	54.043	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.080%			
35) Dibromofluoromethane	7.634	113	404156	53.281	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.560%			
50) Toluene-d8	10.109	98	1403336	48.994	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.980%			
62) 4-Bromofluorobenzene	12.402	95	492534	54.642	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.280%			
Target Compounds						Qvalue

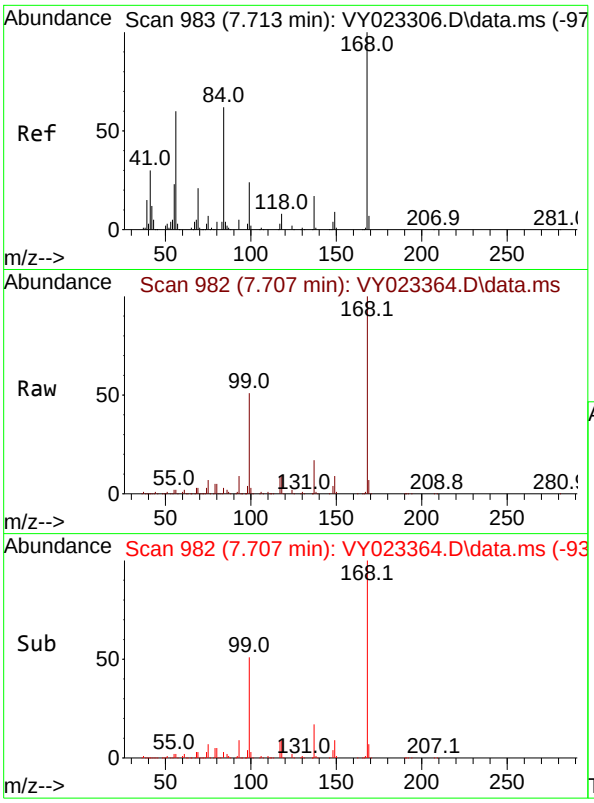
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023364.D
Acq On : 25 Sep 2025 10:39
Operator : SY/MD
Sample : VY0925SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBL01

Quant Time: Sep 26 04:21:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration



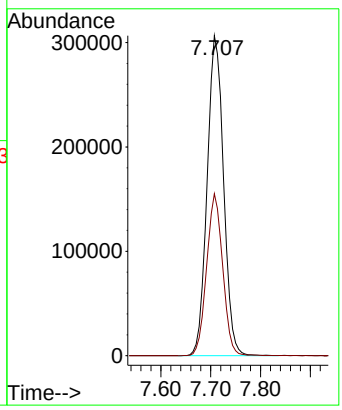


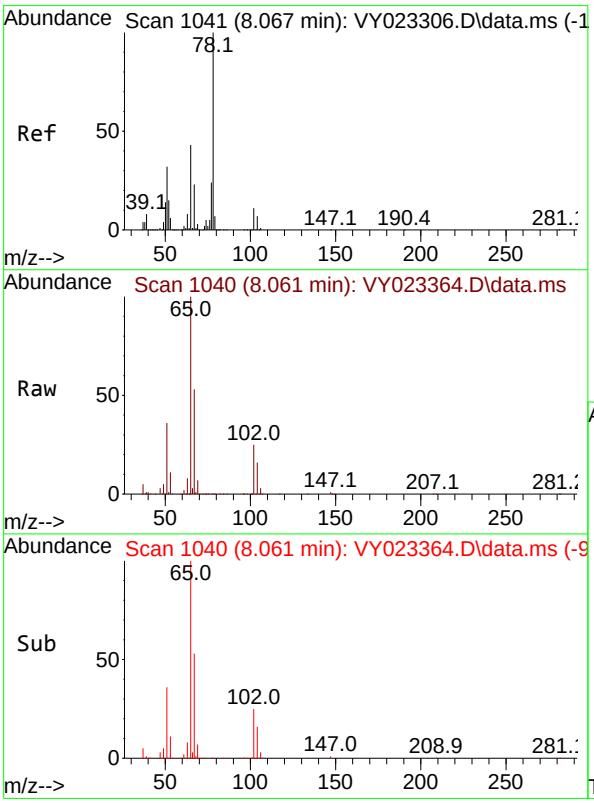
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023364.D
Acq: 25 Sep 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBL01

Tgt Ion:168 Resp: 701667

Ion	Ratio	Lower	Upper
168	100		
99	50.6	42.8	64.2

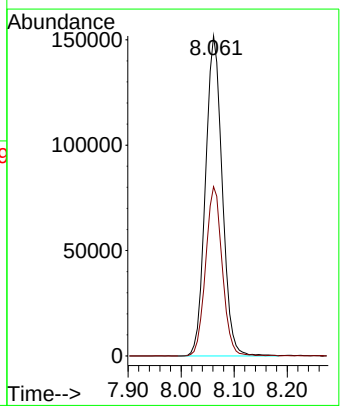


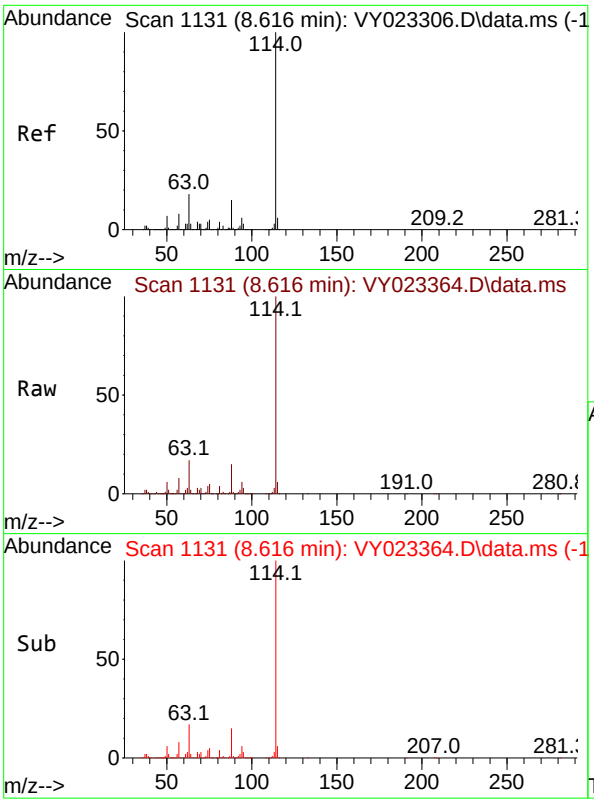


#33
1,2-Dichloroethane-d4
Concen: 54.043 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023364.D
Acq: 25 Sep 2025 10:39

Tgt Ion: 65 Resp: 333209

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.8



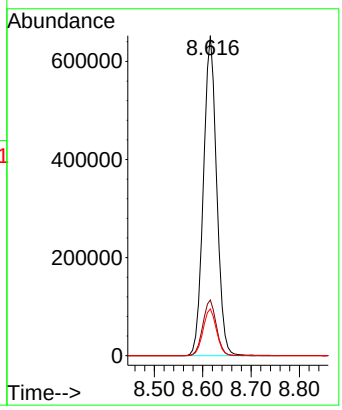


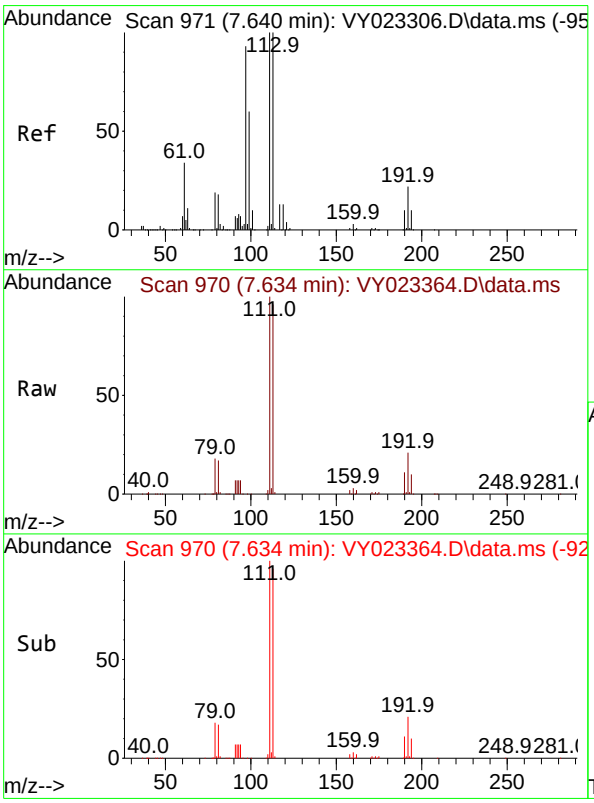
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023364.D
Acq: 25 Sep 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBL01

Tgt Ion:114 Resp: 1240929

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	38.4
88	14.6	0.0	30.0

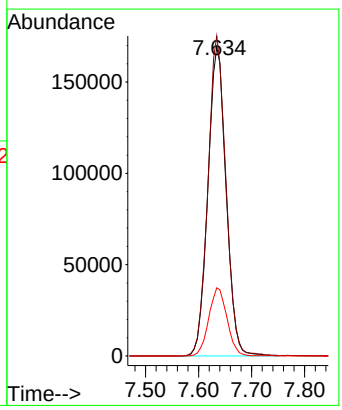


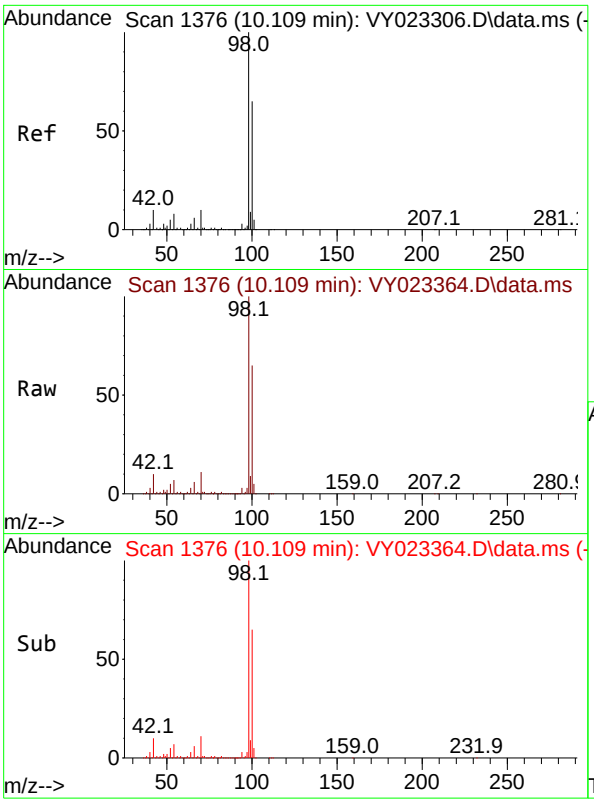


#35
Dibromofluoromethane
Concen: 53.281 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023364.D
Acq: 25 Sep 2025 10:39

Tgt Ion:113 Resp: 404156

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	22.1	16.2	24.4



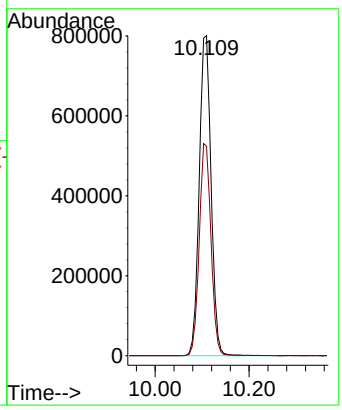


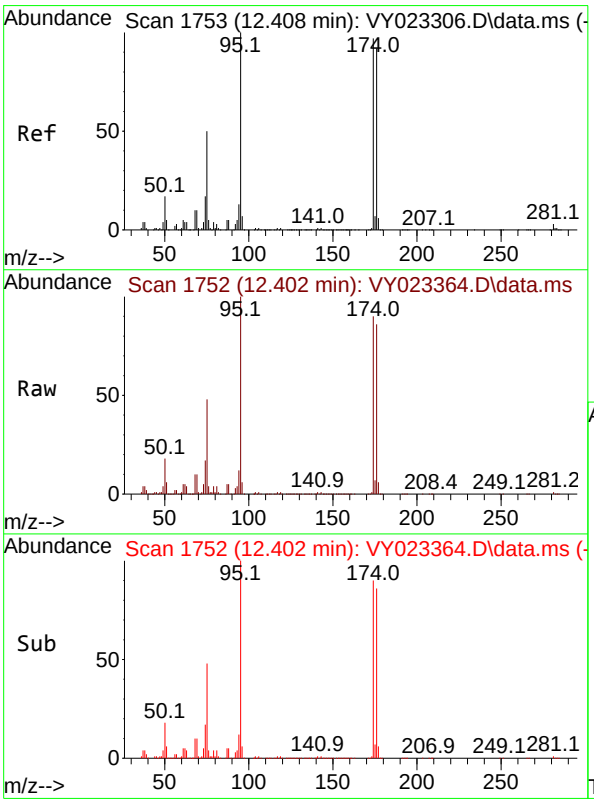
#50
Toluene-d8
Concen: 48.994 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023364.D
Acq: 25 Sep 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBL01

Tgt Ion: 98 Resp: 1403336

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.3	78.5

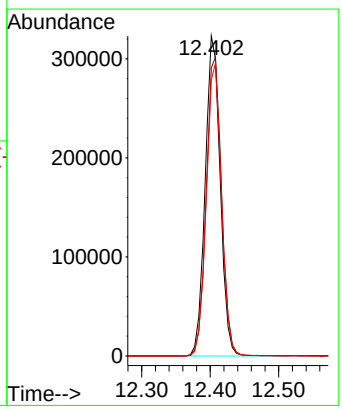


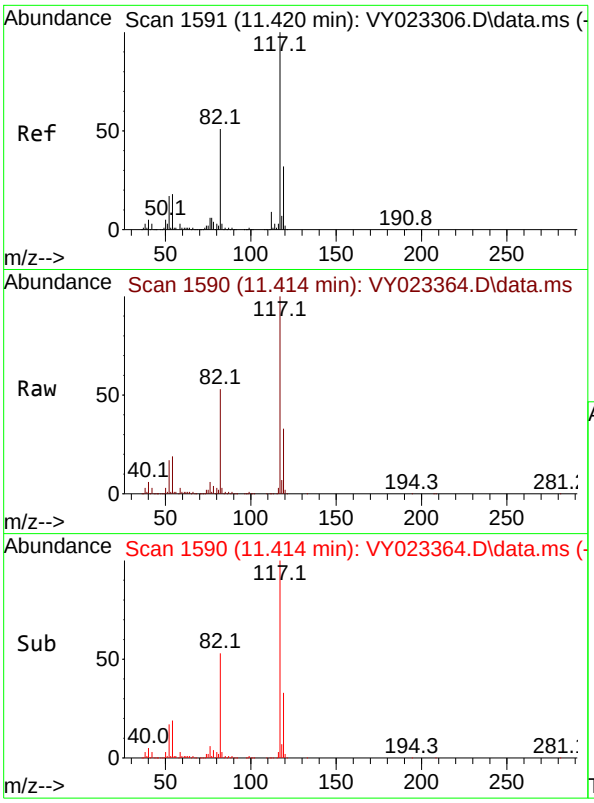


#62
4-Bromofluorobenzene
Concen: 54.642 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023364.D
Acq: 25 Sep 2025 10:39

Tgt Ion: 95 Resp: 492534

Ion	Ratio	Lower	Upper
95	100		
174	95.3	0.0	171.6
176	91.9	0.0	167.6



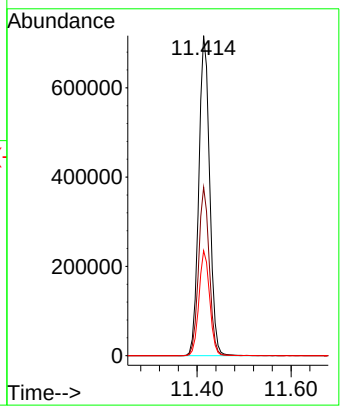


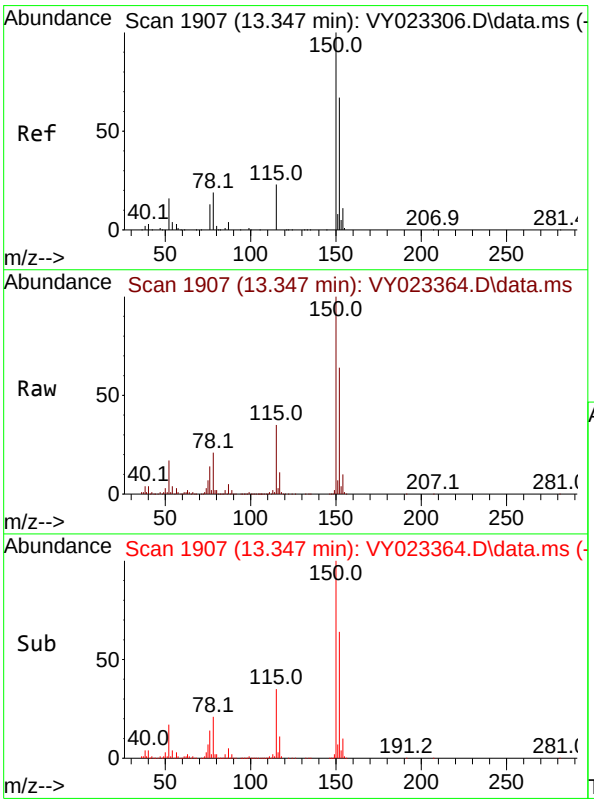
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023364.D
Acq: 25 Sep 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBL01

Tgt Ion:117 Resp: 1153810

Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.4	65.0
119	32.8	25.6	38.4

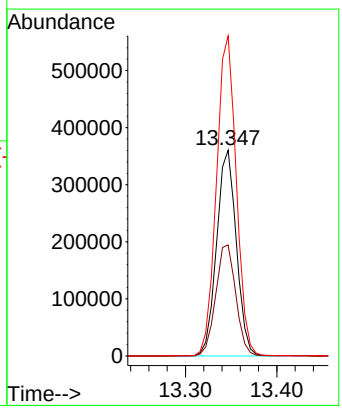




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023364.D
Acq: 25 Sep 2025 10:39

Tgt Ion:152 Resp: 541851

Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.2	84.6
150	155.8	0.0	348.0



Sample Results: **VY023364.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023364.D
Acq On : 25 Sep 2025 10:39
Operator : SY/MD
Sample : VY0925SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBL01

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\82Y090825S.M
Title : SW846 8260

Signal : TIC: VY023364.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	494	rVB2	69157	214562	5.97%	1.075%
2	5.641	633	643	653	rBV4	22927	68912	1.92%	0.345%
3	7.634	958	970	976	rBV	567266	1351703	37.63%	6.773%
4	7.707	976	982	999	rVB	848998	1922991	53.53%	9.635%
5	8.061	1031	1040	1053	rBV	432441	959058	26.70%	4.805%
6	8.616	1120	1131	1144	rBV	1407680	2716079	75.61%	13.609%
7	10.103	1366	1375	1385	rBV	2046302	3592396	100.00%	17.999%
8	10.512	1435	1442	1449	rBV	33190	64513	1.80%	0.323%
9	11.414	1581	1590	1602	rBV	2091961	3366170	93.70%	16.866%
10	12.402	1745	1752	1762	rBV	1637625	2586583	72.00%	12.960%
11	13.347	1900	1907	1916	rVB	1997207	3075625	85.61%	15.410%
12	13.883	1989	1995	2003	rVB2	23227	39870	1.11%	0.200%

Sum of corrected areas: 19958462

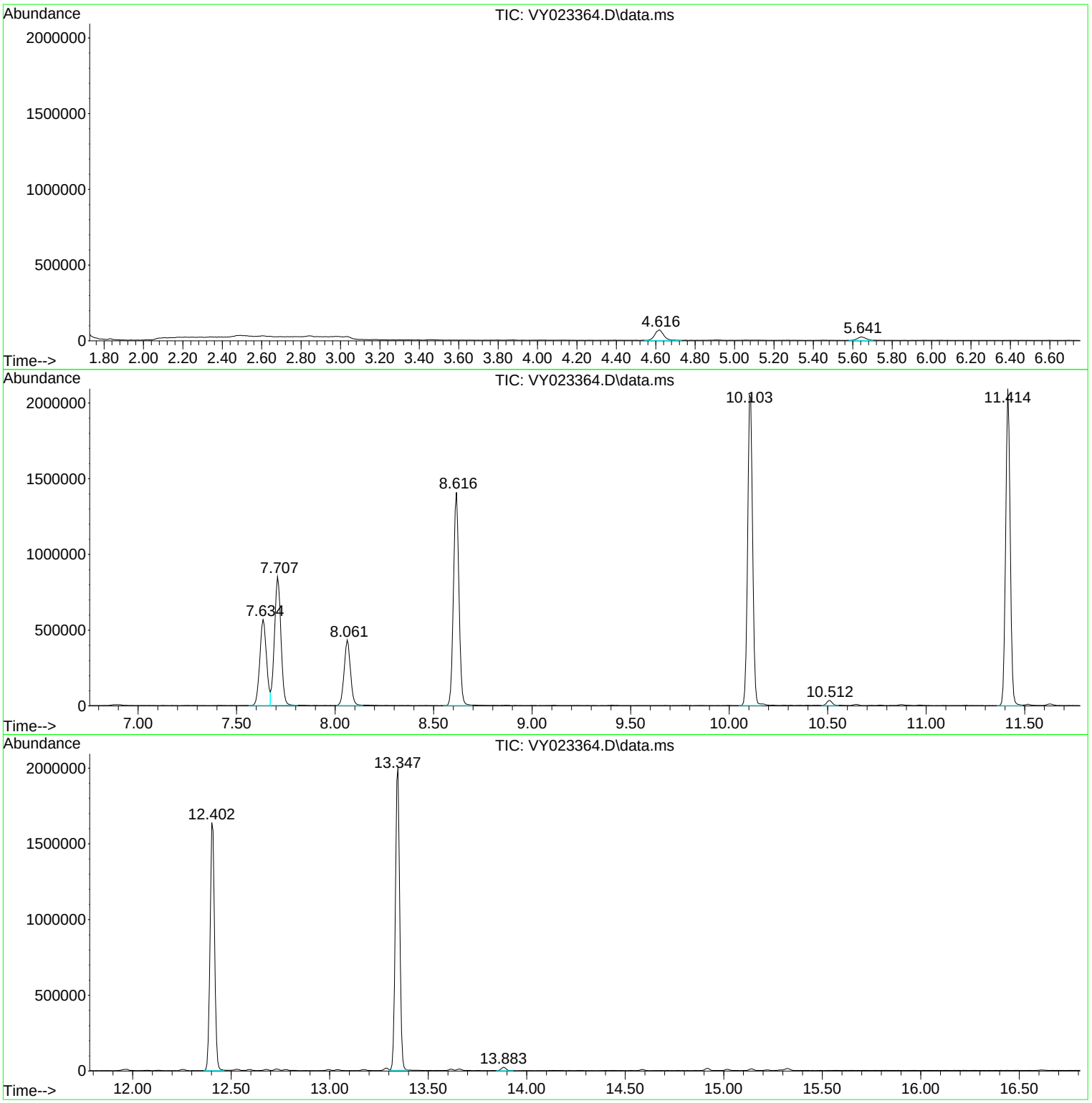
Sample Results: **VY023364.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023364.D
Acq On : 25 Sep 2025 10:39
Operator : SY/MD
Sample : VY0925SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023364.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023364.D
Acq On : 25 Sep 2025 10:39
Operator : SY/MD
Sample : VY0925SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.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\VY092525\
Data File : VY023364.D
Acq On : 25 Sep 2025 10:39
Operator : SY/MD
Sample : VY0925SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.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: **VY023365.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0925SBS01	SDG No.:	Q3174
Lab Sample ID:	VY0925SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023365.D	1	09/25/25 11:17	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	130		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.0		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	25.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.7		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.4		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.9		0.91	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.2		3.60	25.0	ug/Kg
108-88-3	Toluene	20.4		0.78	5.00	ug/Kg

Raw Data: **VY023365.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0925SBS01	SDG No.:	Q3174
Lab Sample ID:	VY0925SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023365.D	1	09/25/25 11:17	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.5		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.7		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.0		0.82	5.00	ug/Kg
100-42-5	Styrene	20.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.0		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.4		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.6		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.5		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.1		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		17 - 146	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	599000	7.707			
540-36-3	1,4-Difluorobenzene	900000	8.616			
3114-55-4	Chlorobenzene-d5	767000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	396000	13.346			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0925SBS01	SDG No.:	Q3174
Lab Sample ID:	VY0925SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023365.D	1	09/25/25 11:17	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023365.D
Acq On : 25 Sep 2025 11:17
Operator : SY/MD
Sample : VY0925SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 04:22:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	598680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	900176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	766959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	395796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	247912	47.125	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.260%			
35) Dibromofluoromethane	7.634	113	268129	48.729	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.460%			
50) Toluene-d8	10.103	98	1022544	49.214	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.420%			
62) 4-Bromofluorobenzene	12.401	95	323016	49.401	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	103021	21.449	ug/l	98
3) Chloromethane	2.074	50	138394	20.136	ug/l	99
4) Vinyl Chloride	2.208	62	173717	20.063	ug/l	98
5) Bromomethane	2.592	94	145107	20.525	ug/l	99
6) Chloroethane	2.732	64	115887	19.778	ug/l	98
7) Trichlorofluoromethane	3.056	101	232765	21.299	ug/l	100
8) Diethyl Ether	3.458	74	60088	20.780	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.811	101	122258	20.803	ug/l	95
10) Methyl Iodide	4.007	142	119283	17.399	ug/l	98
11) Tert butyl alcohol	4.860	59	45008	148.067	ug/l #	85
12) 1,1-Dichloroethene	3.787	96	116029	20.523	ug/l	92
13) Acrolein	3.653	56	29745	57.882	ug/l	99
14) Allyl chloride	4.385	41	141543	19.819	ug/l	96
15) Acrylonitrile	5.061	53	108141	95.001	ug/l	99
16) Acetone	3.866	43	151981	126.831	ug/l	99
17) Carbon Disulfide	4.104	76	340340	19.014	ug/l	98
18) Methyl Acetate	4.385	43	54157	18.424	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	270510	20.349	ug/l	96
20) Methylene Chloride	4.616	84	160324	25.007	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	127414	20.170	ug/l	91
22) Diisopropyl ether	6.018	45	315762	19.852	ug/l	93
23) Vinyl Acetate	5.957	43	860397	97.849	ug/l	96
24) 1,1-Dichloroethane	5.915	63	204945	19.700	ug/l	97
25) 2-Butanone	6.896	43	168181	114.034	ug/l	93
26) 2,2-Dichloropropane	6.884	77	196687	21.412	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	142243	19.884	ug/l	97
28) Bromochloromethane	7.244	49	77765	18.997	ug/l	87
29) Tetrahydrofuran	7.262	42	83936	95.950	ug/l	97
30) Chloroform	7.421	83	221144	19.784	ug/l	98
31) Cyclohexane	7.701	56	184356	20.026	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	202126	20.239	ug/l	98
36) 1,1-Dichloropropene	7.835	75	159084	20.299	ug/l	98
37) Ethyl Acetate	6.982	43	61078	19.592	ug/l	98
38) Carbon Tetrachloride	7.817	117	184211	20.428	ug/l	96
39) Methylcyclohexane	9.109	83	209817	20.927	ug/l	97
40) Benzene	8.079	78	493920	20.276	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023365.D
Acq On : 25 Sep 2025 11:17
Operator : SY/MD
Sample : VY0925SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 04:22:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	33959	21.035	ug/l		93
42) 1,2-Dichloroethane	8.158	62	123135	19.854	ug/l		99
43) Isopropyl Acetate	8.201	43	115282	19.012	ug/l		97
44) Trichloroethene	8.865	130	139028	20.490	ug/l		98
45) 1,2-Dichloropropane	9.140	63	108534	19.728	ug/l		99
46) Dibromomethane	9.231	93	65598	19.579	ug/l		95
47) Bromodichloromethane	9.426	83	167015	19.815	ug/l		98
48) Methyl methacrylate	9.219	41	55373	19.592	ug/l		95
49) 1,4-Dioxane	9.231	88	15719	462.192	ug/l		90
51) 4-Methyl-2-Pentanone	9.999	43	304753	98.240	ug/l		99
52) Toluene	10.170	92	315978	20.440	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	146036	20.124	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	176473	20.352	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	86951	19.510	ug/l		98
56) Ethyl methacrylate	10.438	69	98294	19.037	ug/l		96
57) 1,3-Dichloropropane	10.719	76	142592	19.708	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	199812	88.789	ug/l		94
59) 2-Hexanone	10.761	43	237323	110.665	ug/l		99
60) Dibromochloromethane	10.908	129	119292	19.728	ug/l		99
61) 1,2-Dibromoethane	11.011	107	83105	19.900	ug/l		98
64) Tetrachloroethene	10.646	164	158921	20.790	ug/l		97
65) Chlorobenzene	11.438	112	348582	20.746	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.517	131	121408	20.586	ug/l		97
67) Ethyl Benzene	11.517	91	577616	21.043	ug/l		99
68) m/p-Xylenes	11.627	106	461675	42.003	ug/l		97
69) o-Xylene	11.950	106	213922	21.024	ug/l		98
70) Styrene	11.969	104	348399	20.660	ug/l		98
71) Bromoform	12.127	173	71954	20.488	ug/l	#	100
73) Isopropylbenzene	12.255	105	560183	21.011	ug/l		99
74) N-amyl acetate	12.066	43	96595	19.168	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	88830	19.853	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	78604m	19.611	ug/l		
77) Bromobenzene	12.529	156	139670	20.505	ug/l		92
78) n-propylbenzene	12.590	91	661591	21.054	ug/l		98
79) 2-Chlorotoluene	12.676	91	376376	20.796	ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	458943	21.165	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	29221	19.881	ug/l		98
82) 4-Chlorotoluene	12.773	91	392020	20.701	ug/l		97
83) tert-Butylbenzene	12.993	119	423818	21.581	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	453302	21.132	ug/l		98
85) sec-Butylbenzene	13.170	105	606313	21.219	ug/l		97
86) p-Isopropyltoluene	13.291	119	512422	21.230	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	276657	20.526	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	272791	20.434	ug/l		99
89) n-Butylbenzene	13.615	91	451428	21.089	ug/l		99
90) Hexachloroethane	13.877	117	106341	20.322	ug/l		91
91) 1,2-Dichlorobenzene	13.657	146	241606	20.559	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13602	19.374	ug/l		91
93) 1,2,4-Trichlorobenzene	14.919	180	147613	21.534	ug/l		98
94) Hexachlorobutadiene	15.017	225	95889	22.624	ug/l		99
95) Naphthalene	15.139	128	220909	20.050	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	125867	21.143	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023365.D
Acq On : 25 Sep 2025 11:17
Operator : SY/MD
Sample : VY0925SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 04:22:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

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

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

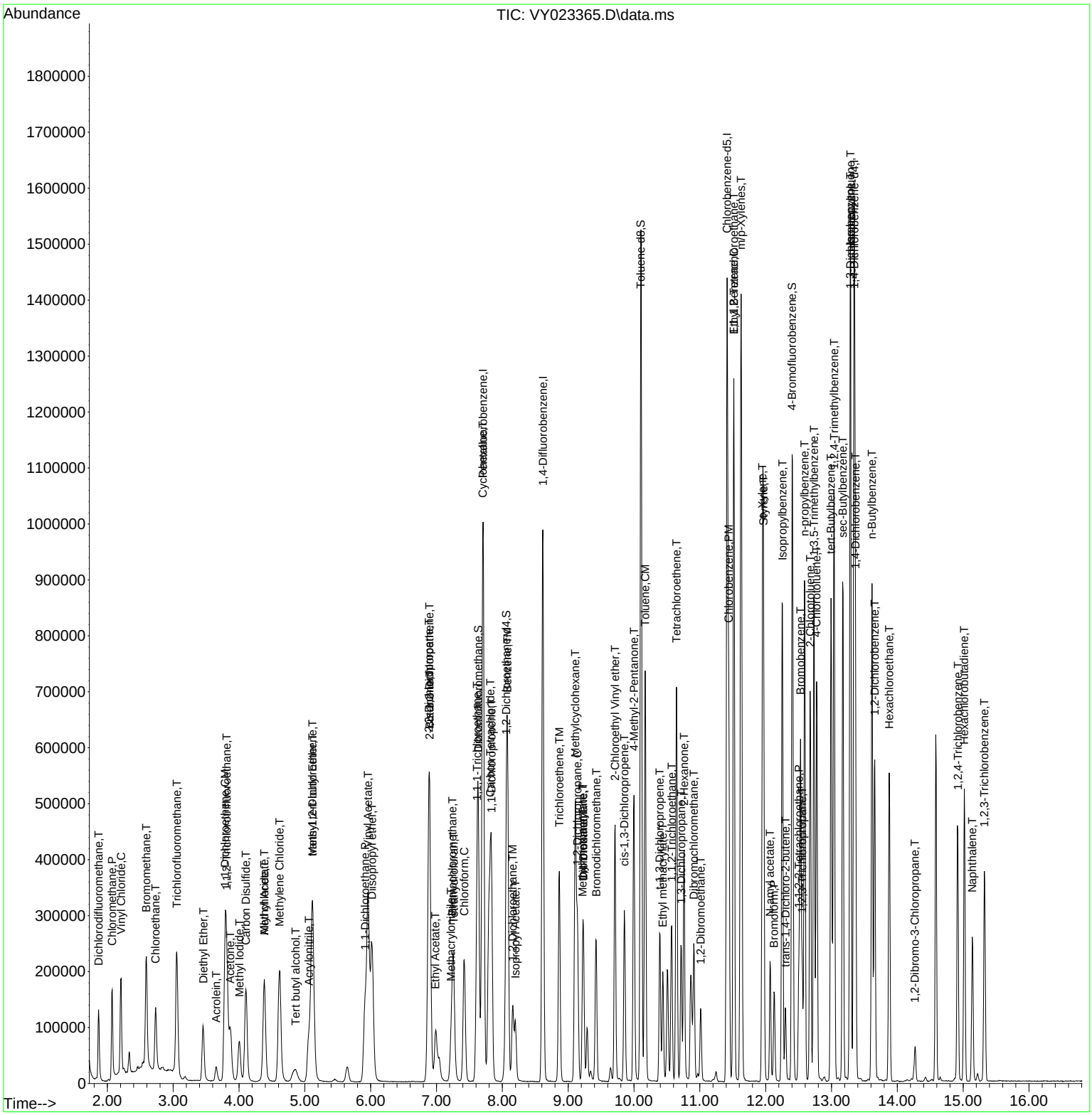
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023365.D
Acq On : 25 Sep 2025 11:17
Operator : SY/MD
Sample : VY0925SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 04:22:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



Raw Data: **VY023366.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0925SBSD01	SDG No.:	Q3174
Lab Sample ID:	VY0925SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023366.D	1	09/25/25 11:40	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.0		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.9		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.8		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.8		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.7		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.3		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	18.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.2		0.91	5.00	ug/Kg
71-43-2	Benzene	19.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.5		3.60	25.0	ug/Kg
108-88-3	Toluene	19.9		0.78	5.00	ug/Kg

Raw Data: **VY023366.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0925SBSD01	SDG No.:	Q3174
Lab Sample ID:	VY0925SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023366.D	1	09/25/25 11:40	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.8		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	18.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.6		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		63 - 155	92%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		70 - 134	95%	SPK: 50
2037-26-5	Toluene-d8	47.7		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		17 - 146	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	593000	7.707			
540-36-3	1,4-Difluorobenzene	889000	8.616			
3114-55-4	Chlorobenzene-d5	771000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	391000	13.34			

Raw Data: **VY023366.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0925SBSD01	SDG No.:	Q3174
Lab Sample ID:	VY0925SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023366.D	1	09/25/25 11:40	VY092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY023366.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023366.D
Acq On : 25 Sep 2025 11:40
Operator : SY/MD
Sample : VY0925SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Quant Time: Sep 26 04:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	592925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	889198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	770961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	390902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	239601	45.988	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.980%			
35) Dibromofluoromethane	7.634	113	257407	47.358	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.720%			
50) Toluene-d8	10.103	98	978070	47.654	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.300%			
62) 4-Bromofluorobenzene	12.401	95	311387	48.210	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	98469	20.700	ug/l	100
3) Chloromethane	2.068	50	136406	20.040	ug/l	99
4) Vinyl Chloride	2.202	62	175750	20.495	ug/l	98
5) Bromomethane	2.586	94	139428	19.913	ug/l	98
6) Chloroethane	2.732	64	115449	19.894	ug/l	100
7) Trichlorofluoromethane	3.050	101	230196	21.269	ug/l	99
8) Diethyl Ether	3.452	74	56899	19.868	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.818	101	115021	19.761	ug/l	94
10) Methyl Iodide	4.001	142	117289	17.274	ug/l	100
11) Tert butyl alcohol	4.854	59	51410	170.770	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	111001	19.824	ug/l	91
13) Acrolein	3.647	56	28510	56.017	ug/l	97
14) Allyl chloride	4.385	41	141279	19.974	ug/l	98
15) Acrylonitrile	5.055	53	107374	95.242	ug/l	98
16) Acetone	3.866	43	143362	120.800	ug/l	95
17) Carbon Disulfide	4.104	76	331564	18.703	ug/l	99
18) Methyl Acetate	4.385	43	54588	18.751	ug/l	93
19) Methyl tert-butyl Ether	5.122	73	255781	19.428	ug/l	96
20) Methylene Chloride	4.616	84	157095	24.742	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	122158	19.526	ug/l	94
22) Diisopropyl ether	6.018	45	307358	19.512	ug/l	95
23) Vinyl Acetate	5.958	43	837181	96.133	ug/l	99
24) 1,1-Dichloroethane	5.915	63	199563	19.369	ug/l	96
25) 2-Butanone	6.896	43	161839	110.799	ug/l	96
26) 2,2-Dichloropropane	6.884	77	188033	20.669	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	140870	19.884	ug/l	94
28) Bromochloromethane	7.244	49	75050	18.512	ug/l	84
29) Tetrahydrofuran	7.262	42	80033	92.377	ug/l	95
30) Chloroform	7.421	83	214974	19.419	ug/l	100
31) Cyclohexane	7.701	56	175720	19.273	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	193556	19.569	ug/l	99
36) 1,1-Dichloropropene	7.835	75	150075	19.386	ug/l	97
37) Ethyl Acetate	6.982	43	60547	19.661	ug/l	97
38) Carbon Tetrachloride	7.817	117	175932	19.750	ug/l	97
39) Methylcyclohexane	9.109	83	199790	20.173	ug/l	96
40) Benzene	8.079	78	476629	19.808	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023366.D
Acq On : 25 Sep 2025 11:40
Operator : SY/MD
Sample : VY0925SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 04:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	32809	20.573	ug/l		95
42) 1,2-Dichloroethane	8.158	62	117074	19.110	ug/l		98
43) Isopropyl Acetate	8.195	43	110745	18.489	ug/l		96
44) Trichloroethene	8.866	130	135810	20.263	ug/l		96
45) 1,2-Dichloropropane	9.140	63	105734	19.456	ug/l		100
46) Dibromomethane	9.231	93	62530	18.894	ug/l		93
47) Bromodichloromethane	9.420	83	159874	19.202	ug/l		99
48) Methyl methacrylate	9.219	41	51218	18.346	ug/l		93
49) 1,4-Dioxane	9.231	88	14304	425.779	ug/l		94
51) 4-Methyl-2-Pentanone	9.993	43	295709	96.501	ug/l		99
52) Toluene	10.170	92	304551	19.944	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	139955	19.524	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	169530	19.792	ug/l		99
55) 1,1,2-Trichloroethane	10.566	97	82603	18.763	ug/l		95
56) Ethyl methacrylate	10.438	69	93470	18.326	ug/l		98
57) 1,3-Dichloropropane	10.713	76	136358	19.079	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	205007	92.223	ug/l		94
59) 2-Hexanone	10.755	43	226634	106.986	ug/l		99
60) Dibromochloromethane	10.908	129	115856	19.396	ug/l		98
61) 1,2-Dibromoethane	11.012	107	78556	19.043	ug/l		100
64) Tetrachloroethene	10.646	164	162859	21.195	ug/l		97
65) Chlorobenzene	11.438	112	340773	20.176	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	117850	19.879	ug/l		98
67) Ethyl Benzene	11.518	91	559720	20.285	ug/l		99
68) m/p-Xylenes	11.627	106	450282	40.754	ug/l		96
69) o-Xylene	11.950	106	212209	20.748	ug/l		96
70) Styrene	11.969	104	341419	20.141	ug/l		98
71) Bromoform	12.127	173	69328	19.638	ug/l	#	100
73) Isopropylbenzene	12.249	105	542313	20.596	ug/l		98
74) N-amyl acetate	12.066	43	94890	19.065	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	83981	19.004	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	71527m	18.069	ug/l		
77) Bromobenzene	12.530	156	137321	20.413	ug/l		91
78) n-propylbenzene	12.590	91	643916	20.748	ug/l		98
79) 2-Chlorotoluene	12.676	91	367438	20.556	ug/l		97
80) 1,3,5-Trimethylbenzene	12.731	105	440027	20.547	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	28763	19.815	ug/l		98
82) 4-Chlorotoluene	12.773	91	374694	20.033	ug/l		96
83) tert-Butylbenzene	12.993	119	411311	21.206	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	440345	20.785	ug/l		97
85) sec-Butylbenzene	13.170	105	590845	20.936	ug/l		98
86) p-Isopropyltoluene	13.285	119	499377	20.948	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	271202	20.373	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	263436	19.980	ug/l		98
89) n-Butylbenzene	13.615	91	436237	20.634	ug/l		98
90) Hexachloroethane	13.877	117	102679	19.868	ug/l		92
91) 1,2-Dichlorobenzene	13.657	146	236124	20.344	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13796	19.896	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	146037	21.571	ug/l		98
94) Hexachlorobutadiene	15.017	225	94805	22.648	ug/l		100
95) Naphthalene	15.139	128	220941	20.304	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	122051	20.758	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023366.D
Acq On : 25 Sep 2025 11:40
Operator : SY/MD
Sample : VY0925SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Quant Time: Sep 26 04:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

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

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

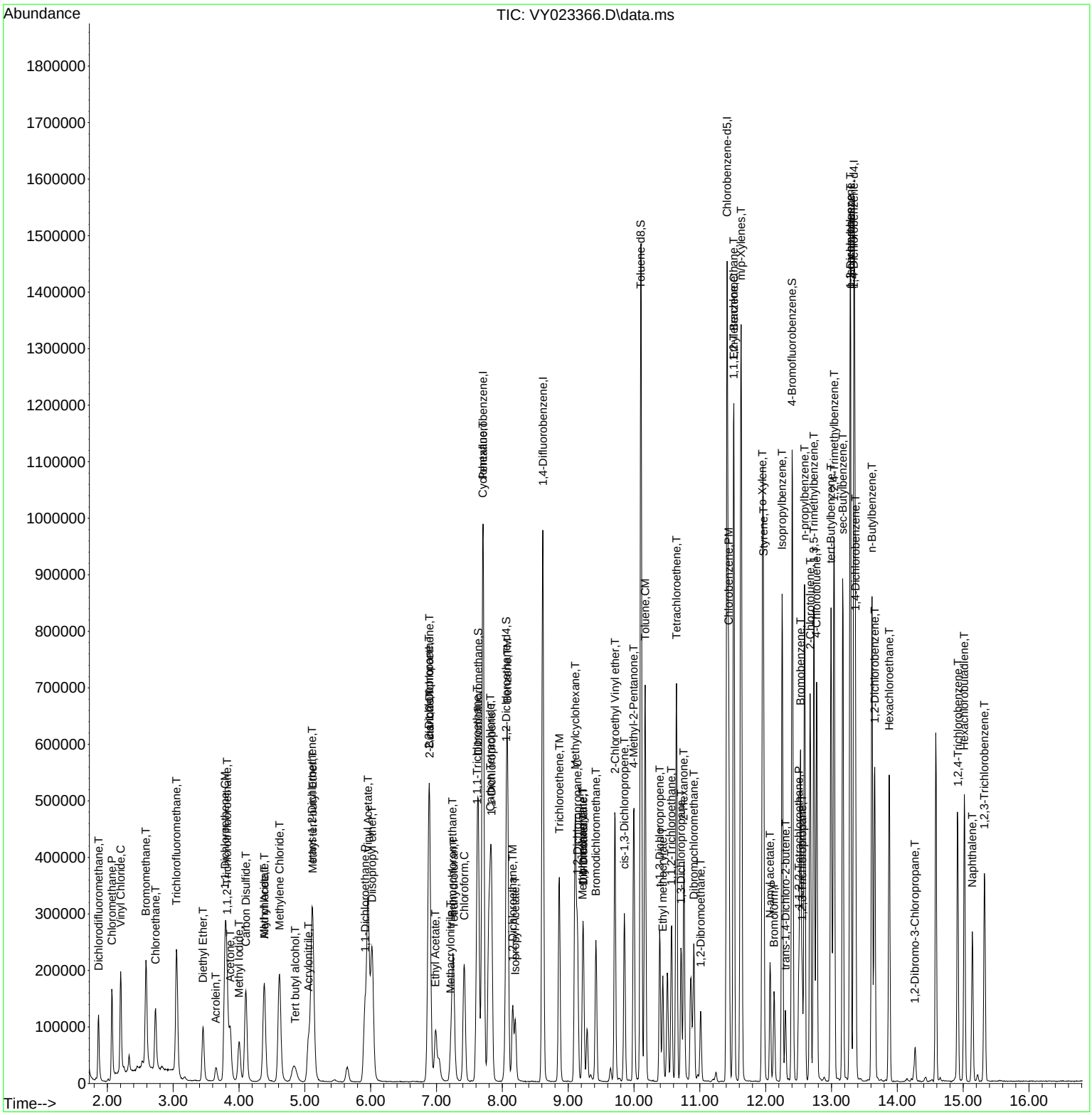
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023366.D
Acq On : 25 Sep 2025 11:40
Operator : SY/MD
Sample : VY0925SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 04:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0925SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



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

Manual Integration Report

Sequence:	VY090825	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023303.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:20 PM	Sam	9/9/2025 3:14:24 PM	Peak Integrated by Software
VSTDICC005	VY023303.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:20 PM	Sam	9/9/2025 3:14:24 PM	Peak Integrated by Software
VSTDICC010	VY023304.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:22 PM	Sam	9/9/2025 3:14:25 PM	Peak Integrated by Software
VSTDICC010	VY023304.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:22 PM	Sam	9/9/2025 3:14:25 PM	Peak Integrated by Software
VSTDICC020	VY023305.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:23 PM	Sam	9/9/2025 3:14:30 PM	Peak Integrated by Software
VSTDICC020	VY023305.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:23 PM	Sam	9/9/2025 3:14:30 PM	Peak Integrated by Software
VSTDICCC050	VY023306.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:27 PM	Sam	9/9/2025 3:14:34 PM	Peak Integrated by Software
VSTDICCC050	VY023306.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:27 PM	Sam	9/9/2025 3:14:34 PM	Peak Integrated by Software
VSTDICC100	VY023307.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:48 PM	Sam	9/9/2025 3:14:36 PM	Peak Integrated by Software
VSTDICC150	VY023308.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:35 PM	Sam	9/9/2025 3:14:40 PM	Peak Integrated by Software
VSTDICV050	VY023310.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:36 PM	Sam	9/9/2025 3:14:46 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY092525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023363.D	1,2,3-Trichloropropane	MMdadoda	9/29/2025 12:52:05 AM	sam	9/29/2025 1:03:46 AM	Peak Integrated by Software
VY0925SBS01	VY023365.D	1,2,3-Trichloropropane	MMdadoda	9/29/2025 12:52:11 AM	sam	9/29/2025 1:03:53 AM	Peak Integrated by Software
VY0925SBSD01	VY023366.D	1,2,3-Trichloropropane	MMdadoda	9/29/2025 12:52:16 AM	sam	9/29/2025 1:04:00 AM	Peak Integrated by Software
VSTDCCC050	VY023382.D	1,2,3-Trichloropropane	MMdadoda	9/29/2025 12:52:22 AM	sam	9/29/2025 1:04:06 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090825

Review By	Mahesh Dadoda	Review On	9/9/2025 3:13:06 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	9/19/2025 2:10:25 AM				
SubDirectory	VY090825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135392
Initial Calibration Stds	VP135393,VP135394,VP135395,VP135396,VP135397,VP135398
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135399
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023302.D	08 Sep 2025 09:07	SY/MD	Ok
2	VSTDICC005	VY023303.D	08 Sep 2025 10:00	SY/MD	Ok,M
3	VSTDICC010	VY023304.D	08 Sep 2025 10:23	SY/MD	Ok,M
4	VSTDICC020	VY023305.D	08 Sep 2025 11:01	SY/MD	Ok,M
5	VSTDICCC050	VY023306.D	08 Sep 2025 11:23	SY/MD	Ok,M
6	VSTDICC100	VY023307.D	08 Sep 2025 11:46	SY/MD	Ok,M
7	VSTDICC150	VY023308.D	08 Sep 2025 12:08	SY/MD	Ok,M
8	VIBLK	VY023309.D	08 Sep 2025 12:32	SY/MD	Ok
9	VSTDICV050	VY023310.D	08 Sep 2025 12:55	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 # VY092525

Review By	Mahesh Dadoda	Review On	9/26/2025 1:48:29 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:04:30 AM				
SubDirectory	VY092525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135634
Initial Calibration Stds	
CCC	VP135635,VP135636
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	VY023362.D	25 Sep 2025 09:30	SY/MD	Ok
2	VSTDCCC050	VY023363.D	25 Sep 2025 10:02	SY/MD	Ok,M
3	VY0925SBL01	VY023364.D	25 Sep 2025 10:39	SY/MD	Ok
4	VY0925SBS01	VY023365.D	25 Sep 2025 11:17	SY/MD	Ok,M
5	VY0925SBSD01	VY023366.D	25 Sep 2025 11:40	SY/MD	Ok,M
6	Q3187-01	VY023367.D	25 Sep 2025 12:35	SY/MD	Ok
7	Q3189-01	VY023368.D	25 Sep 2025 12:58	SY/MD	Ok
8	Q3188-02	VY023369.D	25 Sep 2025 13:22	SY/MD	Ok
9	Q3187-01	VY023370.D	25 Sep 2025 13:45	SY/MD	Not Ok
10	Q3189-01	VY023371.D	25 Sep 2025 14:09	SY/MD	Not Ok
11	Q3174-01	VY023372.D	25 Sep 2025 14:32	SY/MD	Ok
12	Q3174-02	VY023373.D	25 Sep 2025 14:56	SY/MD	Ok
13	Q3200-01	VY023374.D	25 Sep 2025 15:19	SY/MD	ReRun
14	Q3208-02	VY023375.D	25 Sep 2025 15:43	SY/MD	Ok
15	Q3208-08	VY023376.D	25 Sep 2025 16:06	SY/MD	Ok
16	Q3210-01	VY023377.D	25 Sep 2025 16:29	SY/MD	Ok
17	Q3206-01	VY023378.D	25 Sep 2025 16:53	SY/MD	ReRun
18	Q3209-01	VY023379.D	25 Sep 2025 17:16	SY/MD	ReRun
19	Q3212-01	VY023380.D	25 Sep 2025 17:40	SY/MD	Ok
20	VIBLK	VY023381.D	25 Sep 2025 18:03	SY/MD	Ok
21	VSTDCCC050	VY023382.D	25 Sep 2025 18:26	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 # VY090825

Review By	Mahesh Dadoda	Review On	9/9/2025 3:13:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/19/2025 2:10:25 AM		
SubDirectory	VY090825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135392
Initial Calibration Stds	VP135393,VP135394,VP135395,VP135396,VP135397,VP135398
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135399
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023302.D	08 Sep 2025 09:07		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023303.D	08 Sep 2025 10:00		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023304.D	08 Sep 2025 10:23		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023305.D	08 Sep 2025 11:01		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023306.D	08 Sep 2025 11:23		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023307.D	08 Sep 2025 11:46		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023308.D	08 Sep 2025 12:08		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023309.D	08 Sep 2025 12:32		SY/MD	Ok
9	VSTDICV050	ICVVY090825	VY023310.D	08 Sep 2025 12:55		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 # VY092525

Review By	Mahesh Dadoda	Review On	9/26/2025 1:48:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:04:30 AM		
SubDirectory	VY092525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135634
Initial Calibration Stds	
CCC	VP135635,VP135636
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	VY023362.D	25 Sep 2025 09:30		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023363.D	25 Sep 2025 10:02		SY/MD	Ok,M
3	VY0925SBL01	VY0925SBL01	VY023364.D	25 Sep 2025 10:39		SY/MD	Ok
4	VY0925SBS01	VY0925SBS01	VY023365.D	25 Sep 2025 11:17		SY/MD	Ok,M
5	VY0925SBSD01	VY0925SBSD01	VY023366.D	25 Sep 2025 11:40		SY/MD	Ok,M
6	Q3187-01	228	VY023367.D	25 Sep 2025 12:35	vial-A	SY/MD	Ok
7	Q3189-01	72-11989	VY023368.D	25 Sep 2025 12:58	vial-A	SY/MD	Ok
8	Q3188-02	RB22120	VY023369.D	25 Sep 2025 13:22	vial-A	SY/MD	Ok
9	Q3187-01	228	VY023370.D	25 Sep 2025 13:45	vial-B already analyzed	SY/MD	Not Ok
10	Q3189-01	72-11989	VY023371.D	25 Sep 2025 14:09	vial-B already analyzed	SY/MD	Not Ok
11	Q3174-01	RPXY1	VY023372.D	25 Sep 2025 14:32	vial-A	SY/MD	Ok
12	Q3174-02	SBF1	VY023373.D	25 Sep 2025 14:56	vial-A	SY/MD	Ok
13	Q3200-01	ETGI-367	VY023374.D	25 Sep 2025 15:19	vial-A Internal Standard Fail	SY/MD	ReRun
14	Q3208-02	SU-ESM-VOC-01	VY023375.D	25 Sep 2025 15:43	vial-A	SY/MD	Ok
15	Q3208-08	SU-ESM-VOC-02	VY023376.D	25 Sep 2025 16:06	vial-A	SY/MD	Ok
16	Q3210-01	SG-1	VY023377.D	25 Sep 2025 16:29	vial-A	SY/MD	Ok
17	Q3206-01	TR-06-092525	VY023378.D	25 Sep 2025 16:53	vial-A Internal Standard Fail	SY/MD	ReRun
18	Q3209-01	PL-02-092525	VY023379.D	25 Sep 2025 17:16	vial-A Internal Standard Fail	SY/MD	ReRun

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY092525

Review By	Mahesh Dadoda	Review On	9/26/2025 1:48:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:04:30 AM		
SubDirectory	VY092525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135634
Initial Calibration Stds	
CCC	VP135635,VP135636
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3212-01	EO-03-092525	VY023380.D	25 Sep 2025 17:40	vial-A	SY/MD	Ok
20	VIBLK	VIBLK	VY023381.D	25 Sep 2025 18:03		SY/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VY023382.D	25 Sep 2025 18:26		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/26/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 09/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137306

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
Q3174-01	RPXY1	1	1.15	10.82	11.97	10.39	85.4	
Q3174-02	SBF1	2	1.18	10.22	11.4	10.02	86.5	
Q3181-02	WC-A3-01-C	3	1.18	10.44	11.62	9.42	78.9	
Q3181-06	WC-A3-02-C	4	1.15	10.47	11.62	9.36	78.4	
Q3181-10	WC-A3-03-C	5	1.16	10.64	11.8	9.39	77.3	
Q3196-01	FMC-9-24-25-1	6	1.13	10.36	11.49	6.75	54.2	
Q3196-02	FMC-9-24-25-2	7	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3196-03	FMC-9-24-25-3	8	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3196-04	FMC-9-24-25-4	9	1.18	10.09	11.27	6.81	55.8	
Q3196-05	FMC-9-24-25-5	10	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3197-01	72-11998	11	1.15	11.63	12.78	10.65	81.7	
Q3198-01	KZZ356V-END-1-1	12	1.00	1.00	2.00	2.00	100.0	PILC
Q3198-02	KZZ356V-END-1-2	13	1.00	1.00	2.00	2.00	100.0	PILC
Q3198-03	Y2308-0066-END-1-1	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3198-04	Y2308-0066-END-1-2	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3199-01	ELZ-25-000117	16	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3199-02	ELZ-25-00098	17	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3199-03	ELZ-25-000111	18	1.00	1.00	2.00	2.00	100.0	plastic-debris sample
Q3199-04	ELZ-25-000110	19	1.00	1.00	2.00	2.00	100.0	plastic-debris sample
Q3199-05	ELZ-25-000124	20	1.00	1.00	2.00	2.00	100.0	plastic-debris sample
Q3199-06	ELZ-25-000125	21	1.00	1.00	2.00	2.00	100.0	plastic-debris sample
Q3199-07	ELZ-25-00097	22	1.15	10.58	11.73	10.3	86.5	
Q3200-01	ETGI-367	23	1.15	11.89	13.04	10.92	82.2	
Q3200-02	ETGI-367	24	1.12	11.45	12.57	10.57	82.5	
Q3203-01	1	36	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3203-02	2	37	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3203-03	3	38	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3203-04	4	39	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/26/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 09/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137306

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
Q3203-05	5	40	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3204-01	TRE-25-0103	41	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3204-02	TRE-25-0104	42	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3204-03	TRE-25-0105	43	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3206-01	TR-06-092525	44	1.15	10.32	11.47	10.35	89.1	
Q3206-02	TR-06-092525-E2	45	1.16	10.44	11.6	10.54	89.8	
Q3208-01	SU-ESM-COMP-01	25	1.15	10.43	11.58	10.77	92.2	
Q3208-02	SU-ESM-VOC-01	26	1.13	10.57	11.7	10.3	86.8	
Q3208-03	SU-ESM-01	27	1.19	10.33	11.52	10.77	92.7	
Q3208-04	SU-ESM-02	28	1.14	10.15	11.29	10.54	92.6	
Q3208-05	SU-ESM-03	29	1.15	10.38	11.53	10.74	92.4	
Q3208-07	SU-ESM-COMP-02	30	1.13	10.73	11.86	10.99	91.9	
Q3208-08	SU-ESM-VOC-02	31	1.15	9.88	11.03	10.4	93.6	
Q3208-09	SU-ESM-04	32	1.19	10.84	12.03	10.99	90.4	
Q3208-10	SU-ESM-05	33	1.13	10.58	11.71	10.99	93.2	
Q3208-11	SU-ESM-06	34	1.11	10.73	11.84	11.06	92.7	
Q3208-12	SU-ESM-COMP-02	35	1.13	10.73	11.86	10.99	91.9	
Q3209-01	PL-02-092525	46	1.13	10.60	11.73	10.63	89.6	
Q3209-02	PL-02-092525-E2	47	1.14	10.44	11.58	10.58	90.4	
Q3210-01	SG-1	48	1.12	10.88	12.00	11.37	94.2	
Q3210-02	SG-1-E2	49	1.13	10.07	11.2	10.72	95.2	
Q3212-01	EO-03-092525	50	1.19	10.42	11.61	10.95	93.7	
Q3212-02	EO-03-092525-E2	51	1.12	10.44	11.56	10.81	92.8	

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

WORKLIST(Hardcopy Internal Chain)

UB 13 7306

WorkList Name : %1-092525 **WorkList ID :** 192061 **Department :** Wet-Chemistry **Date :** 09-25-2025 08:08:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3174-01	RPXY1	Solid	Percent Solids	Cool 4 deg C	GENV01	J33	09/25/2025	Chemtech -SO
Q3174-02	SBF1	Solid	Percent Solids	Cool 4 deg C	GENV01	J33	09/25/2025	Chemtech -SO
Q3181-02	WC-A3-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J33	09/24/2025	Chemtech -SO
Q3181-06	WC-A3-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J33	09/24/2025	Chemtech -SO
Q3181-10	WC-A3-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J33	09/24/2025	Chemtech -SO
Q3196-01	FMC-9-24-25-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3196-02	FMC-9-24-25-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3196-03	FMC-9-24-25-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3196-04	FMC-9-24-25-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3196-05	FMC-9-24-25-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3197-01	72-11998	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3198-01	KZZ356V-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3198-02	KZZ356V-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3198-03	Y2308-0066-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3198-04	Y2308-0066-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-01	ELZ-25-000117	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-02	ELZ-25-00098	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-03	ELZ-25-000111	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-04	ELZ-25-000110	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-05	ELZ-25-000124	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-06	ELZ-25-000125	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO

Date/Time 09/25/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 09/25/25 17:25

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB137306

WorkList Name : %1-092525 **WorkList ID :** 192061 **Department :** Wet-Chemistry **Date :** 09-25-2025 08:08:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3199-07	ELZ-25-00097	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3200-01	ETGI-367	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3200-02	ETGI-367	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3203-01	1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3203-02	2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3203-03	3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3203-04	4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3203-05	5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3204-01	TRE-25-0103	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3204-02	TRE-25-0104	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3204-03	TRE-25-0105	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3206-01	TR-06-092525	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3206-02	TR-06-092525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO
Q3208-01	SU-ESM-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO
Q3208-02	SU-ESM-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-03	SU-ESM-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-04	SU-ESM-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-05	SU-ESM-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-07	SU-ESM-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-08	SU-ESM-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-09	SU-ESM-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO

Date/Time 09/25/25 15:00

Raw Sample Received by: [signature] (WC)

Raw Sample Relinquished by: [signature]

Date/Time 09/25/25 17:25

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] (WC)

WORKLIST(Hardcopy Internal Chain)

VB137306

WorkList Name : %1-092525 **WorkList ID :** 192061 **Department :** Wet-Chemistry **Date :** 09-25-2025 08:08:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3208-10	SU-ESM-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-11	SU-ESM-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-12	SU-ESM-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3209-01	PL-02-092525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO
Q3209-02	PL-02-092525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO
Q3210-01	SG-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3210-02	SG-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3212-01	EO-03-092525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO
Q3212-02	EO-03-092525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO

Date/Time 09/25/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 09/25/25 17:25

Raw Sample Received by:

Raw Sample Relinquished by:

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. Q 3174
COC Number 2047922

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: B. Environmental
ADDRESS: 8 Carrman
CITY Succasunna STATE: NJ ZIP 07876
ATTENTION: Gary
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Buffington
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: BV
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Environmental PO#:
ADDRESS: 8 Carrman
CITY Succasunna STATE: NJ ZIP:
ATTENTION: Gary PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 5 day NJ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: 2 TCL VOCs + 15 tic soil 3. 4 Sulfate 5: 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
									Ferm								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	RPXY1	Soil		X	9/25/25	0920	5		X		X						
2.	SBF1	Soil		X	9/25/25	1000	5		X		X						
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	9/25/25 1040	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 23 °C
Comments: IT-Gun #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3174 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 9/24/2025 9:56:00 AM
Project Name : Buffington
Receive DateTime : 9/25/2025 10:40:00 AM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3174-01	RPXY1	Solid	09/25/2025	09:20					
					VOC-TCLVOA-10		8260CD		5 Bus. Days
Q3174-02	SBF1	Solid	09/25/2025	10:00					
					VOC-TCLVOA-10		8260CD		5 Bus. Days

Relinguished By :
Date / Time : 9/25/25 1215

Received By :
Date / Time : 09/25/25 1215

Storage Area : **VOA Refridgerator Room**