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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:	Q3310	**OrderDate:**	10/8/2025 1:24:21 PM
Client:	Langan Engineering and Environmental Services, Inc	**Project:**	Con Edison Richmond Terrace
Contact:	Gregory DelMastro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3310-01	**SS-01-0-1**	**SOIL**			**10/07/25**			**10/08/25**
			VOC-TCLVOA-10	8260D			10/09/25	
Q3310-02	**SS-01-1-2**	**SOIL**			**10/07/25**			**10/08/25**
			VOC-TCLVOA-10	8260D			10/09/25	
Q3310-03	**SS-01-2-3**	**SOIL**			**10/07/25**			**10/08/25**
			VOC-TCLVOA-10	8260D			10/09/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3310

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**SS-01-0-1**							
Q3310-01	SS-01-0-1	SOIL	Acetone	6.70	J	4.30	22.8	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Methylene Chloride	5.40	J	3.20	9.10	ug/Kg
			Total Voc :	12.1				
			Total Concentration:	12.1				
Client ID:	**SS-01-1-2**							
Q3310-02	SS-01-1-2	SOIL	Methylene Chloride	4.50	J	3.10	8.80	ug/Kg
Q3310-02	SS-01-1-2	SOIL	m/p-Xylenes	2.10	J	1.10	8.80	ug/Kg
Q3310-02	SS-01-1-2	SOIL	o-Xylene	1.40	J	0.72	4.40	ug/Kg
			Total Voc :	8.00				
			Total Concentration:	8.00				
Client ID:	**SS-01-2-3**							
Q3310-03	SS-01-2-3	SOIL	Acetone	10.2	J	3.90	20.4	ug/Kg
Q3310-03	SS-01-2-3	SOIL	Methylene Chloride	3.00	J	2.90	8.10	ug/Kg
			Total Voc :	13.2				
			Total Concentration:	13.2				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3310

Client: Langan Engineering and Environmental Services, Inc

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3310-01	SS-01-0-1	1,2-Dichloroethane-d4	50	63.5	127		63	155
		Dibromofluoromethane	50	55.2	110		70	134
		Toluene-d8	50	50.3	101		74	123
		4-Bromofluorobenzene	50	36.4	73		17	146
Q3310-02	SS-01-1-2	1,2-Dichloroethane-d4	50	60.1	120		63	155
		Dibromofluoromethane	50	53.4	107		70	134
		Toluene-d8	50	51.2	102		74	123
		4-Bromofluorobenzene	50	40.5	81		17	146
Q3310-03	SS-01-2-3	1,2-Dichloroethane-d4	50	59.8	120		63	155
		Dibromofluoromethane	50	54.9	110		70	134
		Toluene-d8	50	52.0	104		74	123
		4-Bromofluorobenzene	50	42.4	85		17	146
VY1009SBL01	VY1009SBL01	1,2-Dichloroethane-d4	50	63.4	127		63	155
		Dibromofluoromethane	50	54.5	109		70	134
		Toluene-d8	50	52.1	104		74	123
		4-Bromofluorobenzene	50	49.8	100		17	146
VY1009SBS01	VY1009SBS01	1,2-Dichloroethane-d4	50	45.8	92		63	155
		Dibromofluoromethane	50	47.9	96		70	134
		Toluene-d8	50	47.9	96		74	123
		4-Bromofluorobenzene	50	46.0	92		17	146
VY1009SBSD01	VY1009SBSD01	1,2-Dichloroethane-d4	50	47.2	94		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	50.4	101		74	123
		4-Bromofluorobenzene	50	47.7	95		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3310 **Analytical Method:** SW8260D

Client: Langan Engineering and Environment **Datafile :** VY023409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1009SBS01	Dichlorodifluoromethane	20	21.1	ug/Kg	106			64	136	
	Chloromethane	20	19.7	ug/Kg	99			52	151	
	Vinyl chloride	20	19.5	ug/Kg	98			56	148	
	Bromomethane	20	20.2	ug/Kg	101			58	141	
	Chloroethane	20	20.4	ug/Kg	102			69	130	
	Trichlorofluoromethane	20	19.7	ug/Kg	99			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	19.8	ug/Kg	99			79	121	
	Acetone	100	120	ug/Kg	120			40	171	
	Carbon disulfide	20	20.5	ug/Kg	103			59	130	
	Methyl tert-butyl Ether	20	18.6	ug/Kg	93			77	129	
	Methyl Acetate	20	16.0	ug/Kg	80			69	149	
	Methylene Chloride	20	18.8	ug/Kg	94			72	131	
	trans-1,2-Dichloroethene	20	20.3	ug/Kg	102			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	19.7	ug/Kg	99			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			76	129	
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99			82	123	
	Bromochloromethane	20	20.0	ug/Kg	100			80	127	
	Chloroform	20	20.2	ug/Kg	101			82	125	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			80	126	
	Methylcyclohexane	20	20.1	ug/Kg	101			77	123	
	Benzene	20	20.8	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			81	126	
	Trichloroethene	20	20.2	ug/Kg	101			83	122	
	1,2-Dichloropropane	20	20.6	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.0	ug/Kg	100			82	123	
	4-Methyl-2-Pentanone	100	91.7	ug/Kg	92			70	135	
	Toluene	20	20.4	ug/Kg	102			83	122	
	t-1,3-Dichloropropene	20	18.8	ug/Kg	94			78	124	
	cis-1,3-Dichloropropene	20	19.6	ug/Kg	98			81	122	
	1,1,2-Trichloroethane	20	19.5	ug/Kg	98			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	19.9	ug/Kg	100			79	125	
	1,2-Dibromoethane	20	19.4	ug/Kg	97			80	125	
	Tetrachloroethene	20	19.4	ug/Kg	97			83	125	
	Chlorobenzene	20	19.8	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.9	ug/Kg	100			82	124	
	m/p-Xylenes	40	39.9	ug/Kg	100			83	124	
	o-Xylene	20	19.6	ug/Kg	98			83	123	
	Styrene	20	19.7	ug/Kg	99			82	124	
	Bromoform	20	18.4	ug/Kg	92			75	127	
	Isopropylbenzene	20	19.9	ug/Kg	100			82	124	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/Kg	97			77	127	
	1,3-Dichlorobenzene	20	19.5	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			84	121	
	1,2-Dichlorobenzene	20	19.3	ug/Kg	97			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3310**	**Analytical Method:**	**SW8260D**
Client:	**Langan Engineering and Environment**	**Datafile :**	VY023409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1009SBS01	1,2-Dibromo-3-Chloropropane	20	17.7	ug/Kg	89			66	134	
	1,2,4-Trichlorobenzene	20	17.4	ug/Kg	87			78	127	
	1,2,3-Trichlorobenzene	20	17.1	ug/Kg	86			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3310 **Analytical Method:** SW8260D

Client: Langan Engineering and Environment **Datafile :** VY023410.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1009SBSD01	Dichlorodifluoromethane	20	22.2	ug/Kg	111	5		64	136	20
	Chloromethane	20	20.6	ug/Kg	103	4		52	151	20
	Vinyl chloride	20	20.4	ug/Kg	102	4		56	148	20
	Bromomethane	20	20.9	ug/Kg	104	3		58	141	20
	Chloroethane	20	21.2	ug/Kg	106	4		69	130	20
	Trichlorofluoromethane	20	20.4	ug/Kg	102	3		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106	2		81	123	20
	1,1-Dichloroethene	20	20.6	ug/Kg	103	4		79	121	20
	Acetone	100	120	ug/Kg	120	0		40	171	20
	Carbon disulfide	20	21.1	ug/Kg	106	3		59	130	20
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97	4		77	129	20
	Methyl Acetate	20	16.3	ug/Kg	81	1		69	149	20
	Methylene Chloride	20	19.2	ug/Kg	96	2		72	131	20
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105	3		80	123	20
	1,1-Dichloroethane	20	20.8	ug/Kg	104	2		82	123	20
	Cyclohexane	20	20.2	ug/Kg	101	2		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	21.4	ug/Kg	107	4		76	129	20
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104	5		82	123	20
	Bromochloromethane	20	20.5	ug/Kg	103	3		80	127	20
	Chloroform	20	20.9	ug/Kg	104	3		82	125	20
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105	4		80	126	20
	Methylcyclohexane	20	21.1	ug/Kg	106	5		77	123	20
	Benzene	20	21.4	ug/Kg	107	3		84	121	20
	1,2-Dichloroethane	20	20.7	ug/Kg	104	5		81	126	20
	Trichloroethene	20	21.1	ug/Kg	106	5		83	122	20
	1,2-Dichloropropane	20	21.3	ug/Kg	106	3		83	122	20
	Bromodichloromethane	20	20.8	ug/Kg	104	4		82	123	20
	4-Methyl-2-Pentanone	100	94.8	ug/Kg	95	3		70	135	20
	Toluene	20	21.4	ug/Kg	107	5		83	122	20
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	6		78	124	20
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104	6		81	122	20
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102	4		82	125	20
	2-Hexanone	100	100	ug/Kg	100	0		66	138	20
	Dibromochloromethane	20	20.5	ug/Kg	103	3		79	125	20
	1,2-Dibromoethane	20	20.0	ug/Kg	100	3		80	125	20
	Tetrachloroethene	20	21.7	ug/Kg	109	12		83	125	20
	Chlorobenzene	20	21.2	ug/Kg	106	7		84	122	20
	Ethyl Benzene	20	20.9	ug/Kg	104	4		82	124	20
	m/p-Xylenes	40	42.3	ug/Kg	106	6		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	6		83	123	20
	Styrene	20	20.7	ug/Kg	104	5		82	124	20
	Bromoform	20	19.5	ug/Kg	98	6		75	127	20
	Isopropylbenzene	20	21.1	ug/Kg	106	6		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99	2		77	127	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	6		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	6		84	121	20
	1,2-Dichlorobenzene	20	20.6	ug/Kg	103	6		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3310 **Analytical Method:** SW8260D

Client: Langan Engineering and Environment **Datafile :** VY023410.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1009SBSD01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/Kg	96	8		66	134	20
	1,2,4-Trichlorobenzene	20	18.6	ug/Kg	93	7		78	127	20
	1,2,3-Trichlorobenzene	20	18.2	ug/Kg	91	6		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1009SBL01

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG NO.: Q3310

Lab File ID: VY023408.D Lab Sample ID: VY1009SBL01

Date Analyzed: 10/09/2025 Time Analyzed: 09:16

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
VY1009SBS01	VY1009SBS01	VY023409.D	10/09/2025
VY1009SBSD01	VY1009SBSD01	VY023410.D	10/09/2025
SS-01-0-1	Q3310-01	VY023416.D	10/09/2025
SS-01-1-2	Q3310-02	VY023417.D	10/09/2025
SS-01-2-3	Q3310-03	VY023418.D	10/09/2025

COMMENTS:

Raw Data: **VY023383.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: LANG01

Lab Code: ACE | SDG NO.: Q3310

Lab File ID: VY023383.D | BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:43

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

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

1-Value is % mass 174

2-Value is % mass 176

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

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

Raw Data: **VY023406.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: LANG01
Lab Code: ACE
SDG NO.: Q3310
Lab File ID: VY023406.D
BFB Injection Date: 10/09/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 08:16
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.1) 1
174	50.0 - 100.0% of mass 95	95
175	5.0 - 9.0% of mass 174	6.9 (7.3) 1
176	95.0 - 101.0% of mass 174	91.2 (95.9) 1
177	5.0 - 9.0% of mass 176	6.3 (6.9) 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	VY023407.D	10/09/2025	08:47
VY1009SBL01	VY1009SBL01	VY023408.D	10/09/2025	09:16
VY1009SBS01	VY1009SBS01	VY023409.D	10/09/2025	09:45
VY1009SBSD01	VY1009SBSD01	VY023410.D	10/09/2025	10:08
SS-01-0-1	Q3310-01	VY023416.D	10/09/2025	12:34
SS-01-1-2	Q3310-02	VY023417.D	10/09/2025	12:57
SS-01-2-3	Q3310-03	VY023418.D	10/09/2025	13:21

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG NO.: Q3310

Lab File ID: VY023407.D Date Analyzed: 10/09/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:47

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	540041	7.71	774126	8.62	696341	11.42
UPPER LIMIT	1080080	8.213	1548250	9.116	1392680	11.92
LOWER LIMIT	270021	7.213	387063	8.116	348171	10.92
EPA SAMPLE NO.						
SS-01-0-1	559404	7.71	1093543	8.62	911689	11.42
SS-01-1-2	558033	7.71	1087217	8.62	940588	11.42
SS-01-2-3	579062	7.71	1100821	8.62	963674	11.41
VY1009SBL01	586622	7.71	1154324	8.62	1109408	11.42
VY1009SBS01	563762	7.71	821828	8.62	727518	11.42
VY1009SBSD01	547576	7.71	791873	8.62	696551	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: LANG01

Lab Code: ACE SDG NO.: Q3310

Lab File ID: VY023407.D Date Analyzed: 10/09/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:47

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

	IS4 AREA #	RT #				
12 HOUR STD	360790	13.347				
UPPER LIMIT	721580	13.847				
LOWER LIMIT	180395	12.847				
EPA SAMPLE NO.						
SS-01-0-1	232592	13.35				
SS-01-1-2	284438	13.35				
SS-01-2-3	310632	13.35				
VY1009SBL01	466996	13.35				
VY1009SBS01	376801	13.35				
VY1009SBSD01	359830	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VY023416.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1	SDG No.:	Q3310
Lab Sample ID:	Q3310-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	65.3
Sample Wt/Vol:	8.41 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
VY023416.D	1	10/09/25 12:34	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.60	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.60	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.60	ug/Kg
74-83-9	Bromomethane	0.97	U	0.97	4.60	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.97	U	0.97	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.60	ug/Kg
67-64-1	Acetone	6.70	J	4.30	22.8	ug/Kg
75-15-0	Carbon Disulfide	0.97	U	0.97	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.60	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.60	ug/Kg
75-09-2	Methylene Chloride	5.40	J	3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	4.60	ug/Kg
110-82-7	Cyclohexane	0.72	U	0.72	4.60	ug/Kg
78-93-3	2-Butanone	6.00	U	6.00	22.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.60	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.60	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.85	U	0.85	4.60	ug/Kg
108-87-2	Methylcyclohexane	0.83	U	0.83	4.60	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	4.60	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.83	U	0.83	4.60	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	22.8	ug/Kg
108-88-3	Toluene	0.71	U	0.71	4.60	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1	SDG No.:	Q3310
Lab Sample ID:	Q3310-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	65.3
Sample Wt/Vol:	8.41 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
VY023416.D	1	10/09/25 12:34	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	4.60	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	22.8	ug/Kg
124-48-1	Dibromochloromethane	0.79	U	0.79	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.80	U	0.80	4.60	ug/Kg
127-18-4	Tetrachloroethene	0.96	U	0.96	4.60	ug/Kg
108-90-7	Chlorobenzene	0.83	U	0.83	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.60	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	9.10	ug/Kg
95-47-6	o-Xylene	0.75	U	0.75	4.60	ug/Kg
100-42-5	Styrene	0.65	U	0.65	4.60	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.60	ug/Kg
98-82-8	Isopropylbenzene	0.71	U	0.71	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.70	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.90	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.5		63 - 155	127%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		70 - 134	110%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.4		17 - 146	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	559000	7.713			
540-36-3	1,4-Difluorobenzene	1090000	8.616			
3114-55-4	Chlorobenzene-d5	912000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	233000	13.346			

Raw Data: **VY023416.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1	SDG No.:	Q3310
Lab Sample ID:	Q3310-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	65.3
Sample Wt/Vol:	8.41 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
VY023416.D	1	10/09/25 12:34	VY100925

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: **VY023416.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023416.D
Acq On : 09 Oct 2025 12:34
Operator : SY/MD
Sample : Q3310-01
Misc : 8.41g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

Quant Time: Oct 10 04:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

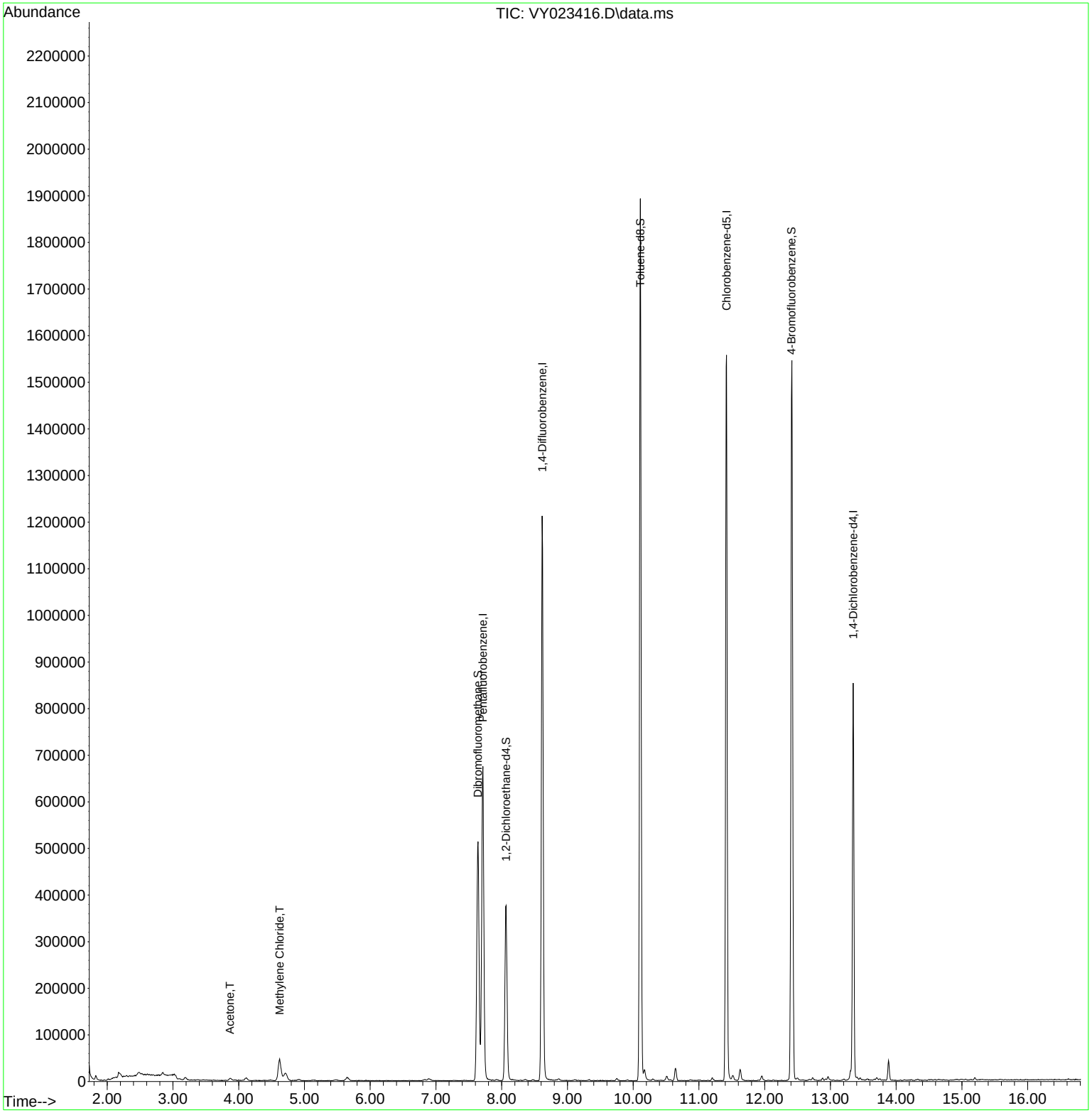
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	559404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1093543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	911689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	232592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	297204	63.535	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.060%			
35) Dibromofluoromethane	7.640	113	371179	55.241	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.480%			
50) Toluene-d8	10.109	98	1259289	50.325	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.640%			
62) 4-Bromofluorobenzene	12.408	95	300320	36.352	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 72.700%			
Target Compounds						Qvalue
16) Acetone	3.866	43	8182	7.347	ug/l	94
20) Methylene Chloride	4.622	84	35453	5.887	ug/l	95

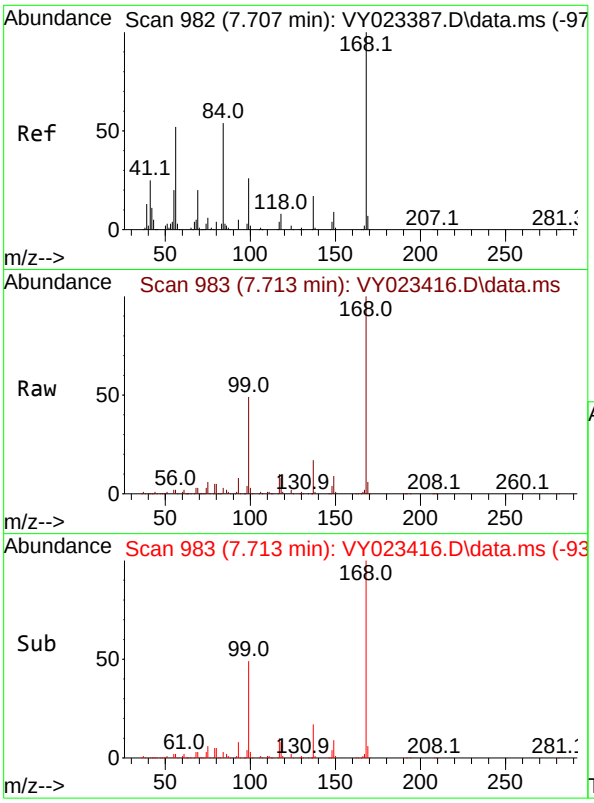
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023416.D
Acq On : 09 Oct 2025 12:34
Operator : SY/MD
Sample : Q3310-01
Misc : 8.41g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

Quant Time: Oct 10 04:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



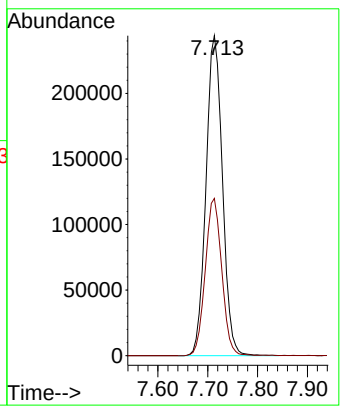


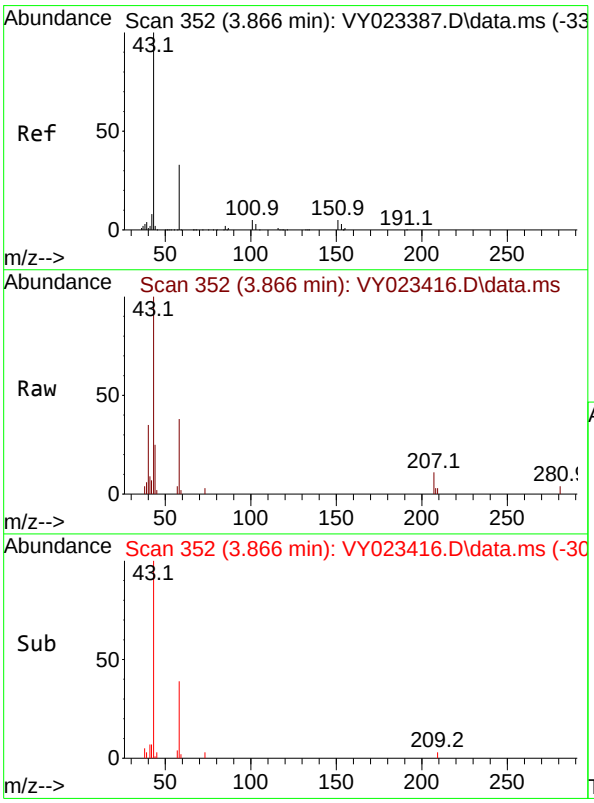
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023416.D
Acq: 09 Oct 2025 12:34

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

Tgt Ion:168 Resp: 559404

Ion	Ratio	Lower	Upper
168	100		
99	49.2	39.7	59.5

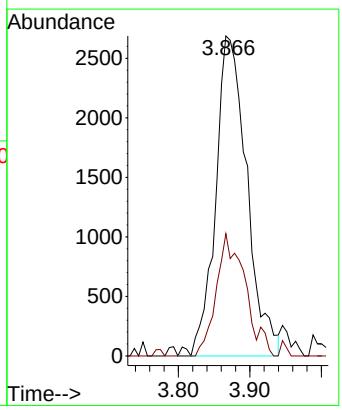


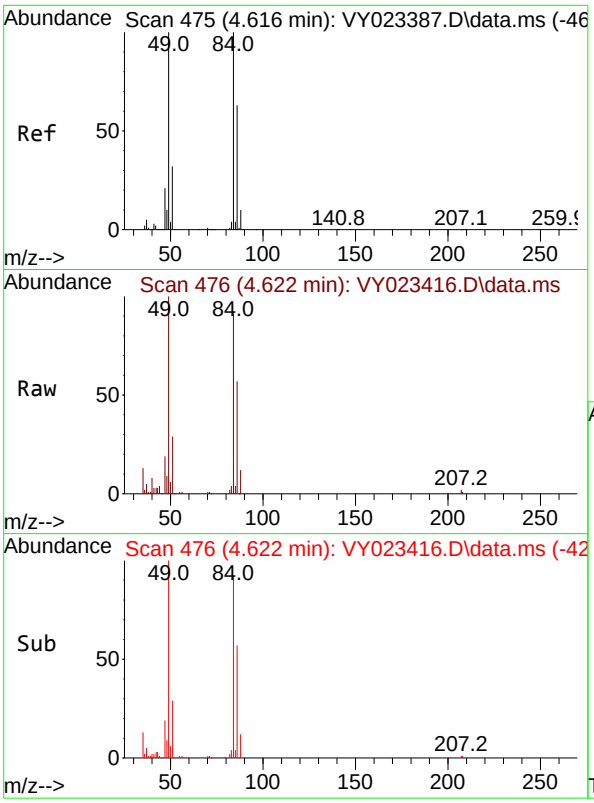


#16
Acetone
Concen: 7.347 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023416.D
Acq: 09 Oct 2025 12:34

Tgt Ion: 43 Resp: 8182

Ion	Ratio	Lower	Upper
43	100		
58	38.2	27.7	41.5



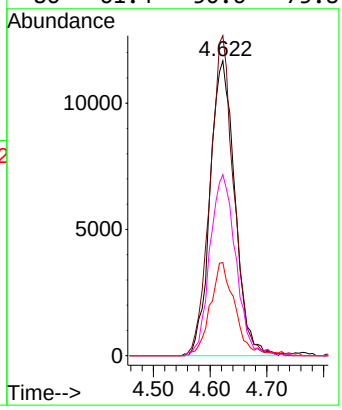


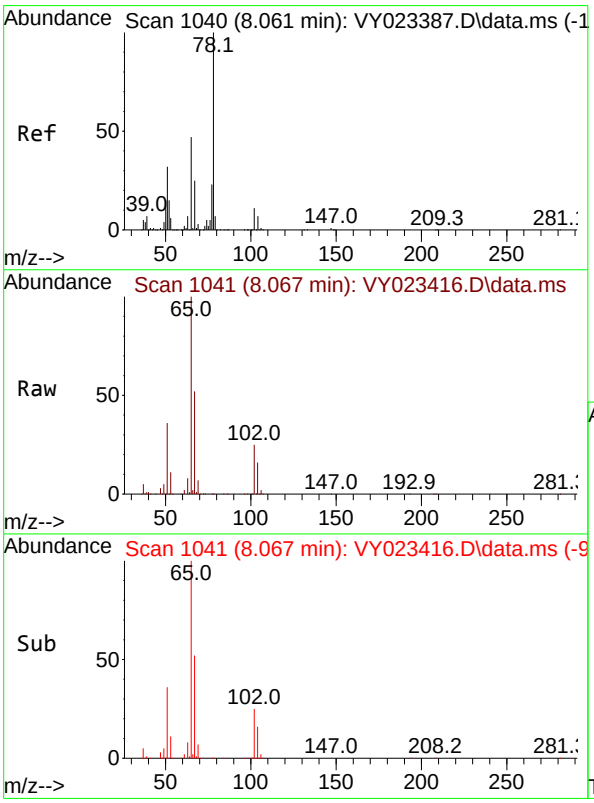
#20
Methylene Chloride
Concen: 5.887 ug/l
RT: 4.622 min Scan# 4
Delta R.T. 0.006 min
Lab File: VY023416.D
Acq: 09 Oct 2025 12:34

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

Tgt Ion: 84 Resp: 35453

Ion	Ratio	Lower	Upper
84	100		
49	108.5	80.2	120.4
51	31.6	25.9	38.9
86	61.4	50.6	75.8

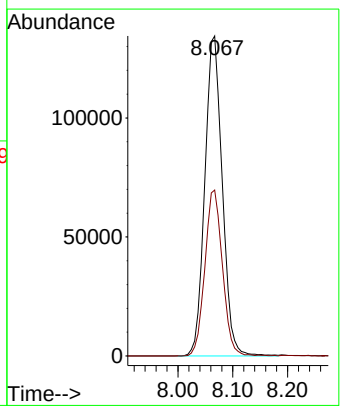


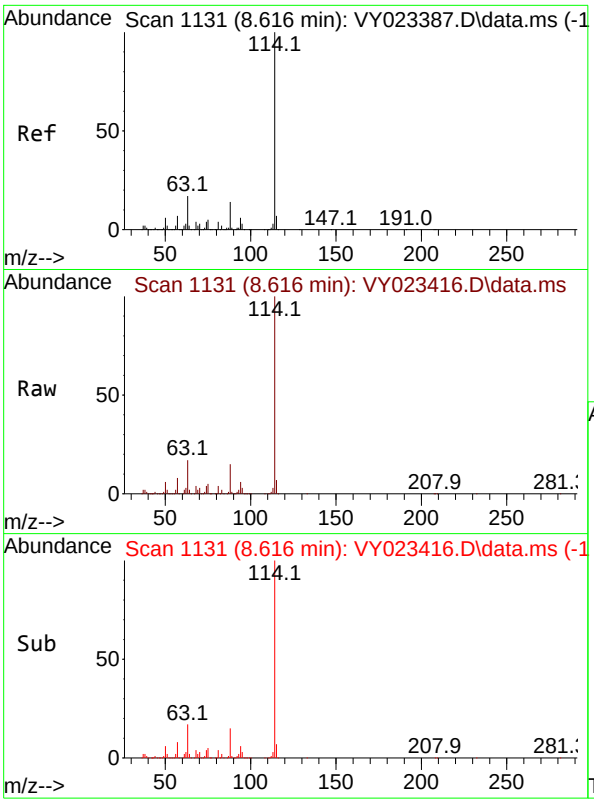


#33
1,2-Dichloroethane-d4
Concen: 63.535 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023416.D
Acq: 09 Oct 2025 12:34

Tgt Ion: 65 Resp: 297204

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.8



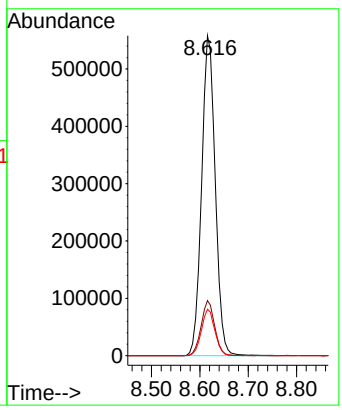


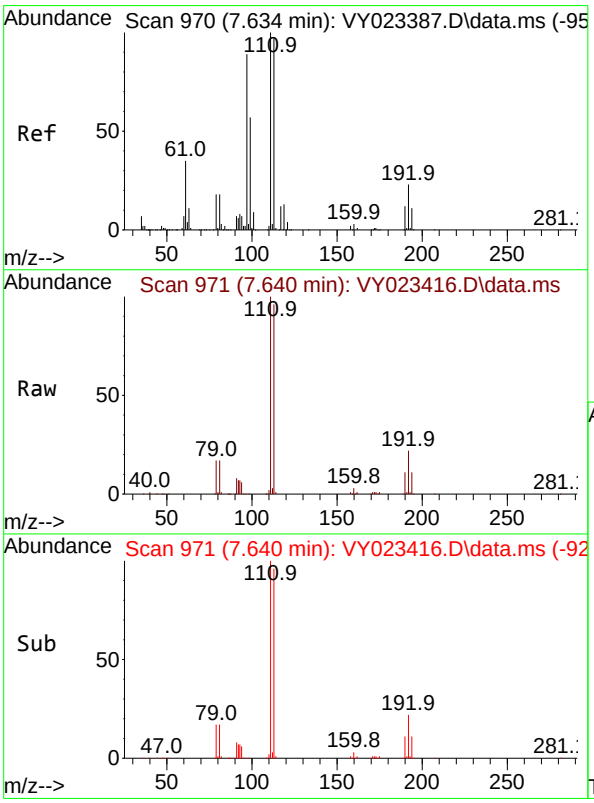
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023416.D
Acq: 09 Oct 2025 12:34

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

Tgt Ion:114 Resp: 1093543

Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	34.2
88	14.5	0.0	28.4

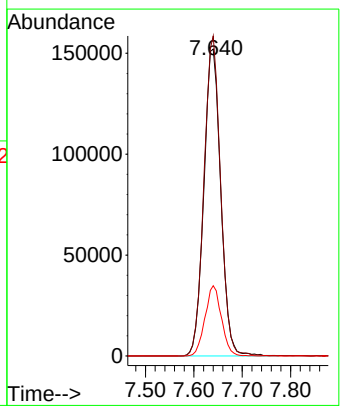


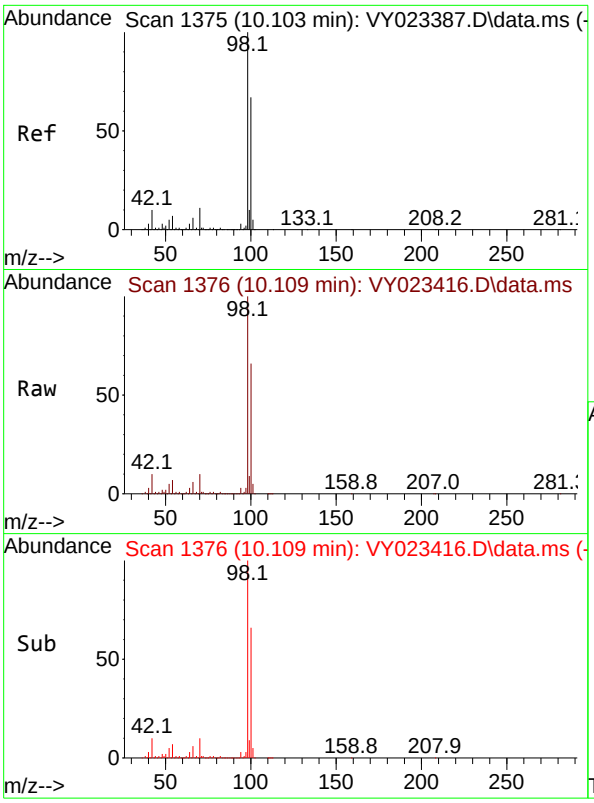


#35
Dibromofluoromethane
Concen: 55.241 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023416.D
Acq: 09 Oct 2025 12:34

Tgt Ion:113 Resp: 371179

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	22.1	18.0	27.0



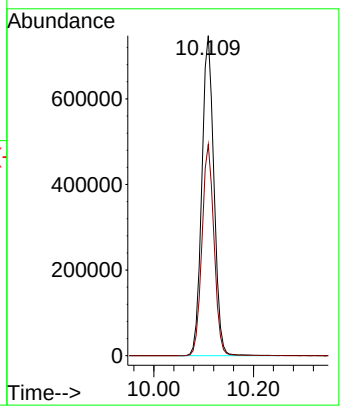


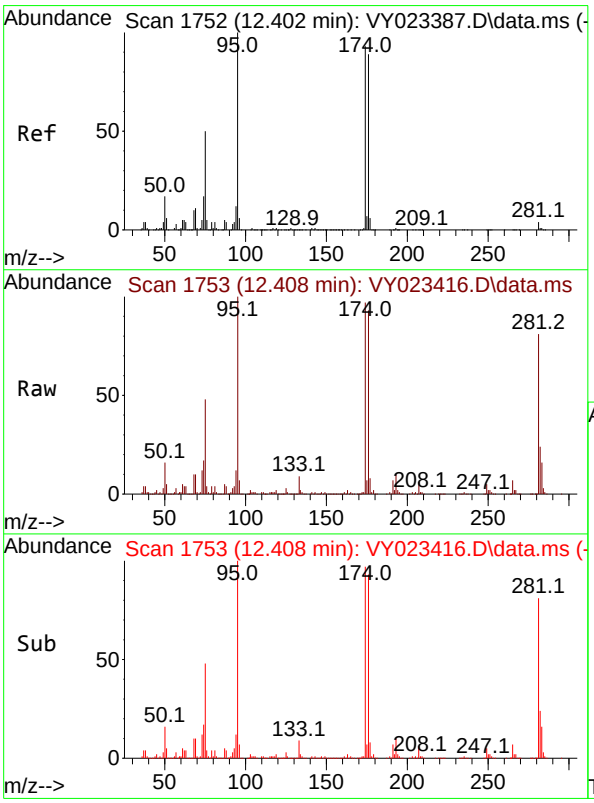
#50
Toluene-d8
Concen: 50.325 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023416.D
Acq: 09 Oct 2025 12:34

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

Tgt Ion: 98 Resp: 1259289

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4

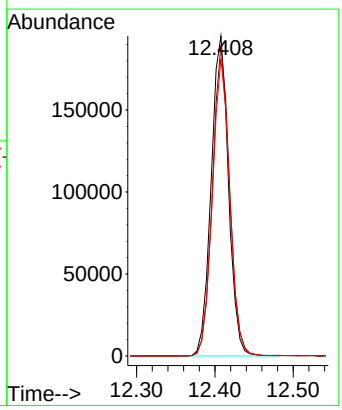


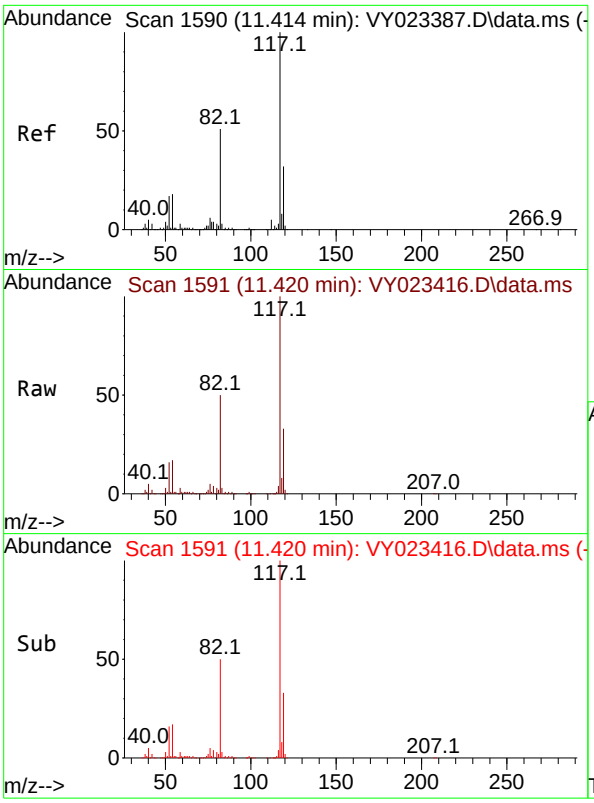


#62
4-Bromofluorobenzene
Concen: 36.352 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023416.D
Acq: 09 Oct 2025 12:34

Tgt Ion: 95 Resp: 300320

Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	192.8
176	92.5	0.0	187.6



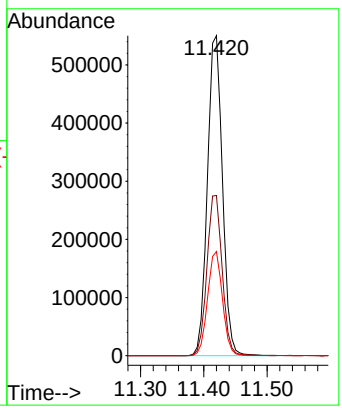


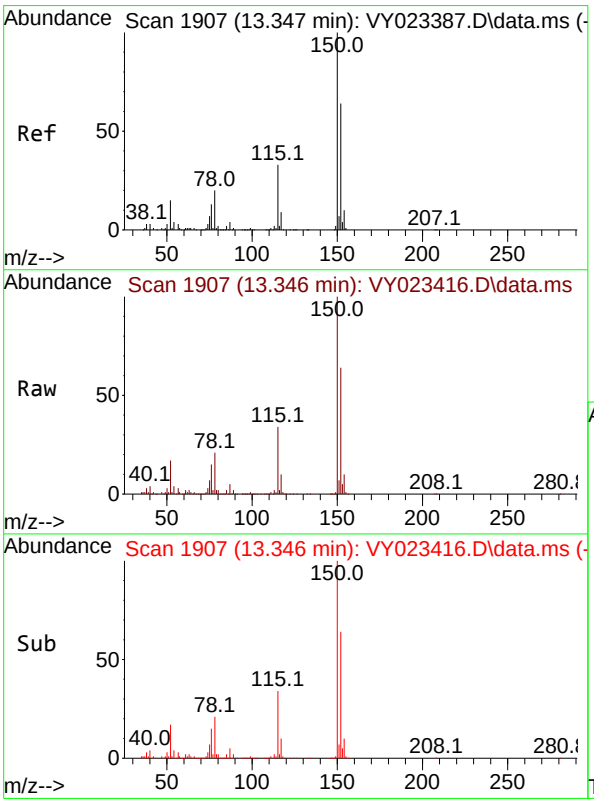
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023416.D
Acq: 09 Oct 2025 12:34

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

Tgt Ion:117 Resp: 911689

Ion	Ratio	Lower	Upper
117	100		
82	50.1	41.0	61.4
119	32.6	25.6	38.4

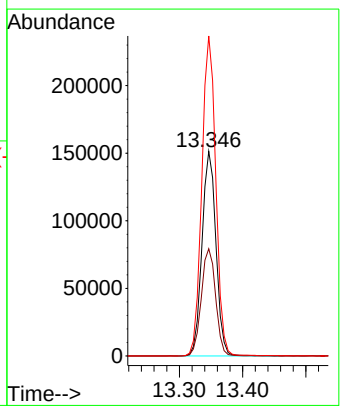




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023416.D
Acq: 09 Oct 2025 12:34

Tgt Ion:152 Resp: 232592

Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.1	81.2
150	156.6	0.0	347.4



Sample Results: **VY023416.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023416.D
Acq On : 09 Oct 2025 12:34
Operator : SY/MD
Sample : Q3310-01
Misc : 8.41g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

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

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

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

Signal : TIC: VY023416.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.172	70	74	84	rBV2	11640	32488	1.02%	0.197%
2	4.622	464	476	485	rBV	46759	150446	4.71%	0.911%
3	4.708	485	490	507	rVB5	16135	56417	1.76%	0.342%
4	7.640	960	971	977	rBV	512268	1244705	38.93%	7.541%
5	7.713	977	983	996	rVB	671857	1522767	47.63%	9.226%
6	8.067	1031	1041	1054	rBV	375527	846971	26.49%	5.131%
7	8.616	1121	1131	1147	rBV	1211621	2373620	74.25%	14.381%
8	10.109	1367	1376	1383	rBV	1892370	3196908	100.00%	19.369%
9	10.170	1383	1386	1401	rVB	23172	51608	1.61%	0.313%
10	10.646	1457	1464	1470	rVB3	26288	49053	1.53%	0.297%
11	11.420	1582	1591	1602	rBV	1556271	2610853	81.67%	15.818%
12	11.627	1617	1625	1633	rBV	23615	48468	1.52%	0.294%
13	12.414	1742	1754	1764	rBV2	1544670	2947998	92.21%	17.861%
14	13.346	1901	1907	1915	rVB	847106	1303981	40.79%	7.900%
15	13.883	1989	1995	2004	rVB2	42421	69162	2.16%	0.419%

Sum of corrected areas: 16505445

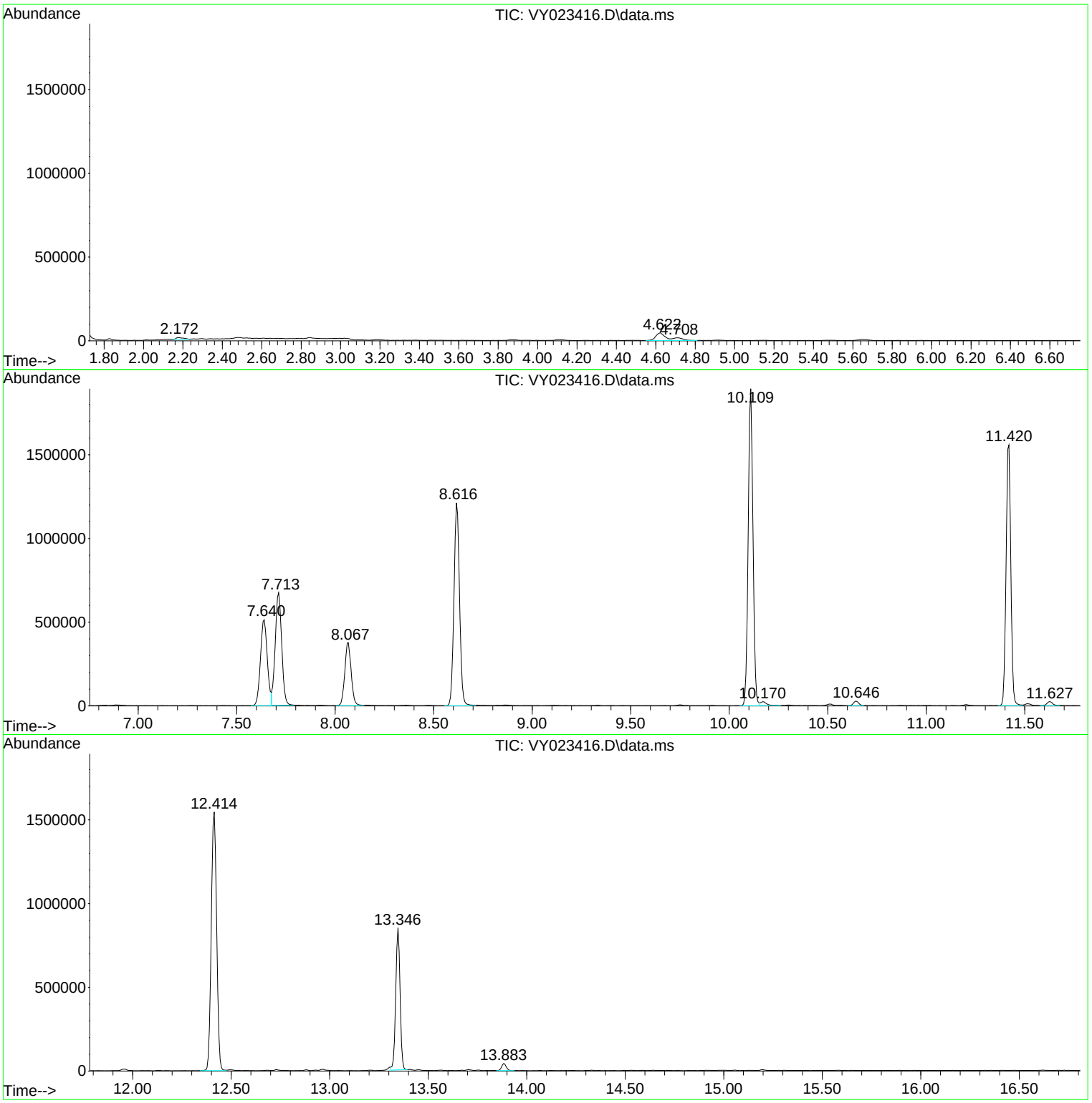
Sample Results: **VY023416.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023416.D
Acq On : 09 Oct 2025 12:34
Operator : SY/MD
Sample : Q3310-01
Misc : 8.41g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

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

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



Library Search Compound Report

Sample Results: **VY023416.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023416.D
Acq On : 09 Oct 2025 12:34
Operator : SY/MD
Sample : Q3310-01
Misc : 8.41g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023416.D
Acq On : 09 Oct 2025 12:34
Operator : SY/MD
Sample : Q3310-01
Misc : 8.41g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-0-1

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

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

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

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-1-2	SDG No.:	Q3310
Lab Sample ID:	Q3310-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	72.4
Sample Wt/Vol:	7.82 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
VY023417.D	1	10/09/25 12:57	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.70	U	0.70	4.40	ug/Kg
74-83-9	Bromomethane	0.94	U	0.94	4.40	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.88	U	0.88	4.40	ug/Kg
67-64-1	Acetone	4.20	U	4.20	22.1	ug/Kg
75-15-0	Carbon Disulfide	0.94	U	0.94	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.64	U	0.64	4.40	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.40	ug/Kg
75-09-2	Methylene Chloride	4.50	J	3.10	8.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.76	U	0.76	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.71	U	0.71	4.40	ug/Kg
110-82-7	Cyclohexane	0.70	U	0.70	4.40	ug/Kg
78-93-3	2-Butanone	5.80	U	5.80	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.66	U	0.66	4.40	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.40	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.82	U	0.82	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.80	U	0.80	4.40	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.70	U	0.70	4.40	ug/Kg
79-01-6	Trichloroethene	0.72	U	0.72	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.80	U	0.80	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.69	U	0.69	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	22.1	ug/Kg
108-88-3	Toluene	0.69	U	0.69	4.40	ug/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-1-2	SDG No.:	Q3310
Lab Sample ID:	Q3310-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	72.4
Sample Wt/Vol:	7.82 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
VY023417.D	1	10/09/25 12:57	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.57	U	0.57	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.55	U	0.55	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.81	U	0.81	4.40	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	22.1	ug/Kg
124-48-1	Dibromochloromethane	0.77	U	0.77	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.78	U	0.78	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.93	U	0.93	4.40	ug/Kg
108-90-7	Chlorobenzene	0.80	U	0.80	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.59	U	0.59	4.40	ug/Kg
179601-23-1	m/p-Xylenes	2.10	J	1.10	8.80	ug/Kg
95-47-6	o-Xylene	1.40	J	0.72	4.40	ug/Kg
100-42-5	Styrene	0.63	U	0.63	4.40	ug/Kg
75-25-2	Bromoform	0.76	U	0.76	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.69	U	0.69	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.80	U	2.80	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.1		63 - 155	120%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	51.2		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.5		17 - 146	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	558000	7.713			
540-36-3	1,4-Difluorobenzene	1090000	8.616			
3114-55-4	Chlorobenzene-d5	941000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	284000	13.346			

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-1-2	SDG No.:	Q3310
Lab Sample ID:	Q3310-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	72.4
Sample Wt/Vol:	7.82 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
VY023417.D	1	10/09/25 12:57	VY100925

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\VY100925\
Data File : VY023417.D
Acq On : 09 Oct 2025 12:57
Operator : SY/MD
Sample : Q3310-02
Misc : 7.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

Quant Time: Oct 10 04:25:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

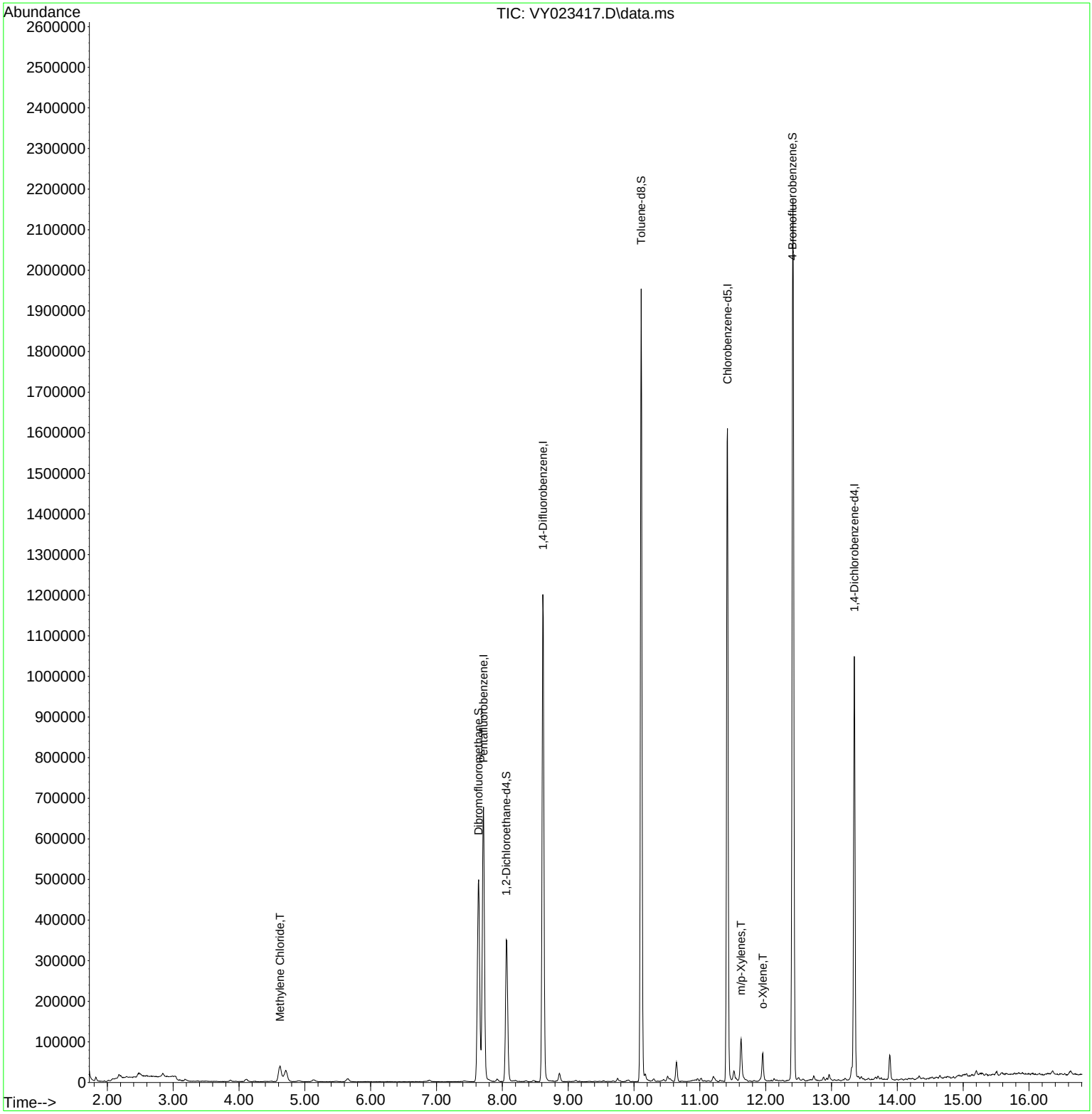
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	558033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1087217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	940588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	284438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	280666	60.147	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.300%			
35) Dibromofluoromethane	7.640	113	356956	53.433	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.860%			
50) Toluene-d8	10.109	98	1274127	51.214	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.420%			
62) 4-Bromofluorobenzene	12.408	95	332896	40.530	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.060%			
Target Compounds						Qvalue
20) Methylene Chloride	4.622	84	30371	5.056	ug/l	98
68) m/p-Xylenes	11.627	106	31551	2.375	ug/l	99
69) o-Xylene	11.956	106	19301	1.549	ug/l	99

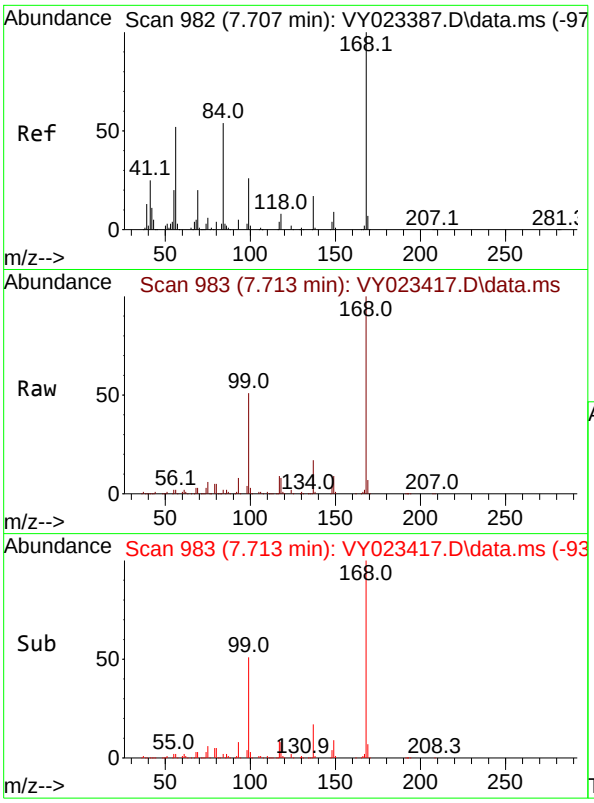
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023417.D
Acq On : 09 Oct 2025 12:57
Operator : SY/MD
Sample : Q3310-02
Misc : 7.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

Quant Time: Oct 10 04:25:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



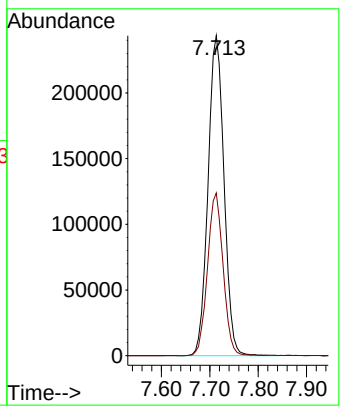


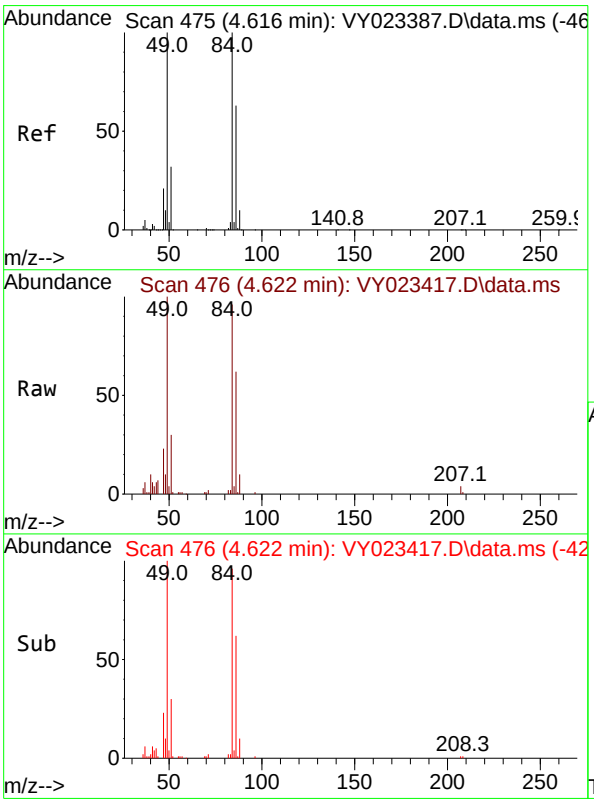
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

Tgt Ion:168 Resp: 558033

Ion	Ratio	Lower	Upper
168	100		
99	50.8	39.7	59.5

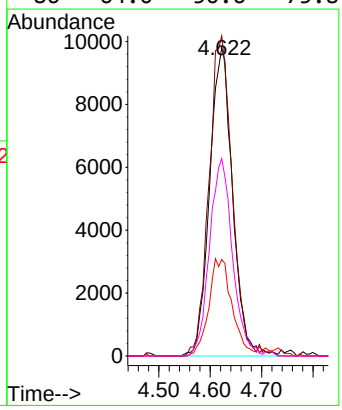


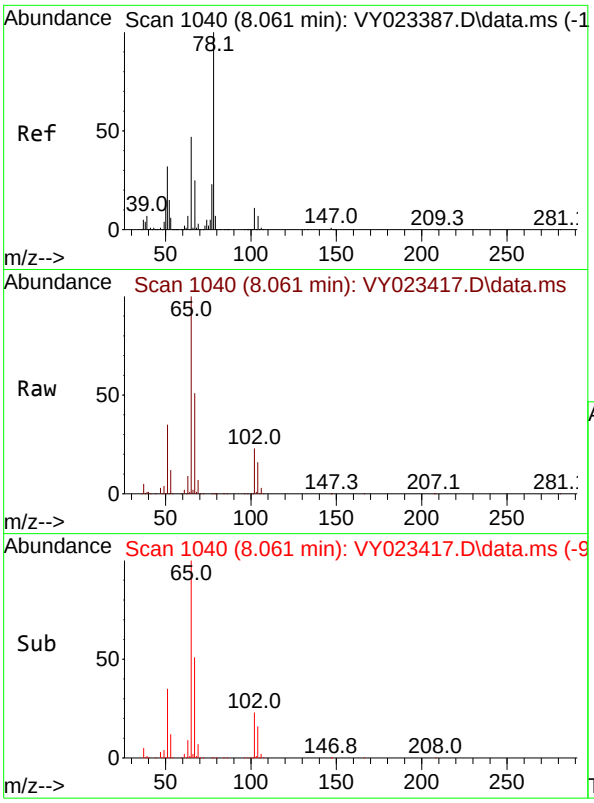


#20
Methylene Chloride
Concen: 5.056 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Tgt Ion: 84 Resp: 30371

Ion	Ratio	Lower	Upper
84	100		
49	103.8	80.2	120.4
51	31.3	25.9	38.9
86	64.0	50.6	75.8



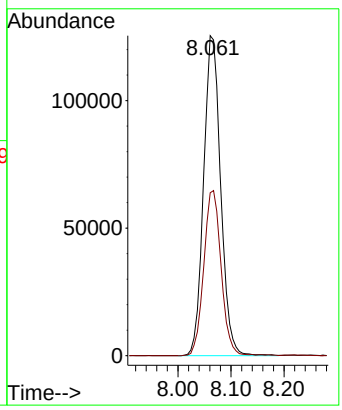


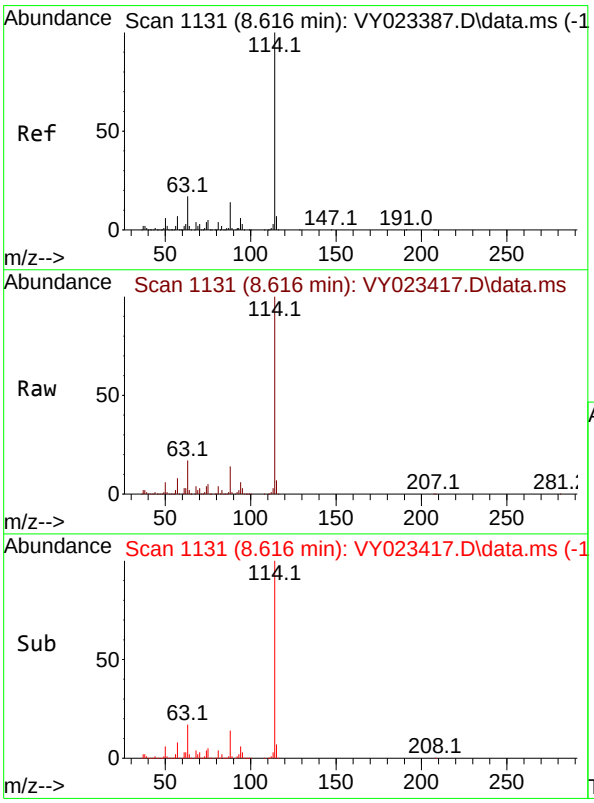
#33
1,2-Dichloroethane-d4
Concen: 60.147 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

Tgt Ion: 65 Resp: 280666

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.8

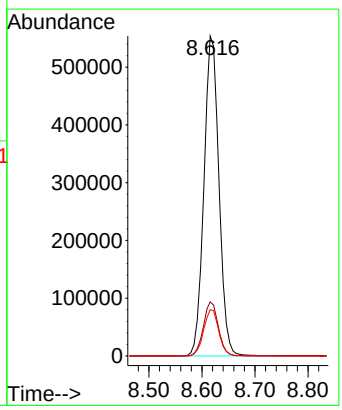


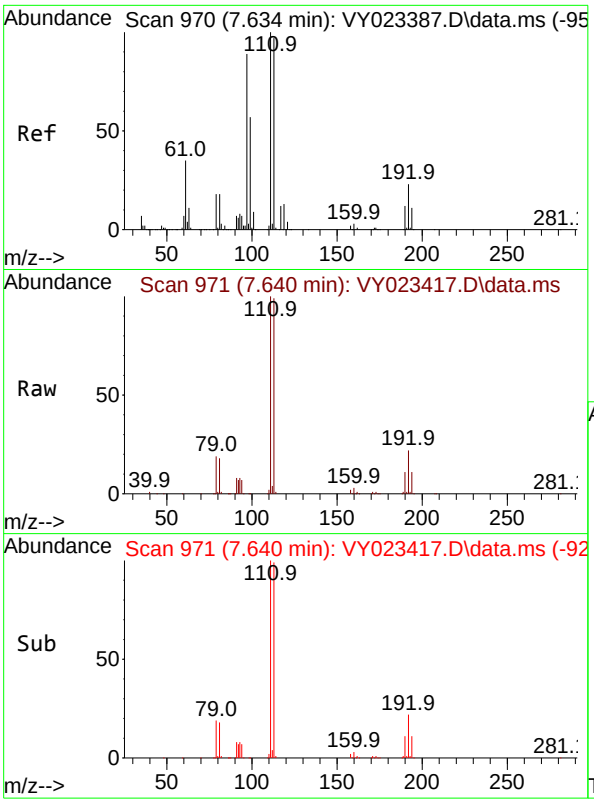


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Tgt Ion:114 Resp: 1087217

Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	34.2
88	14.5	0.0	28.4



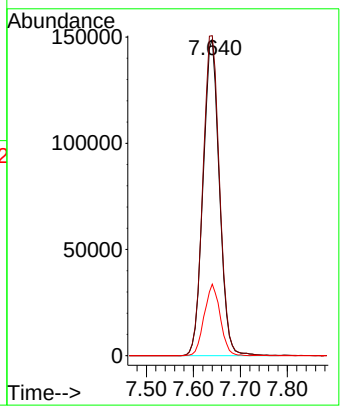


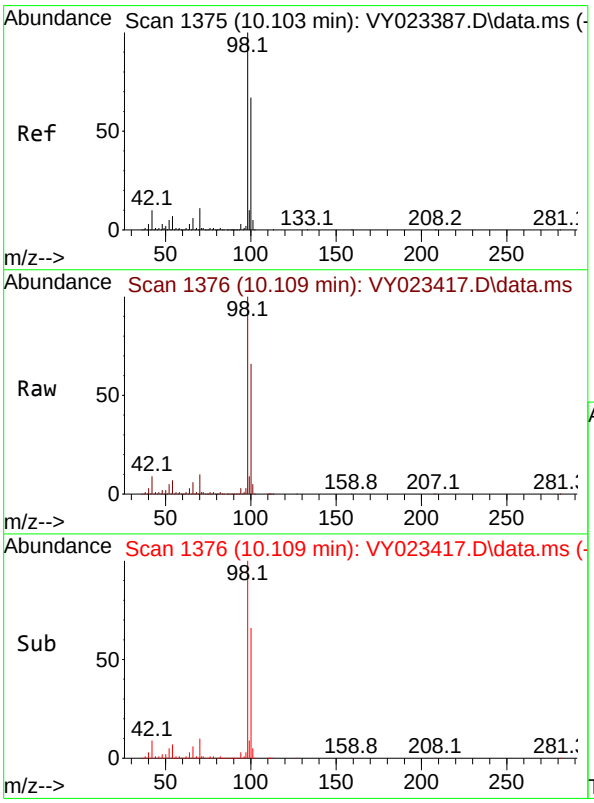
#35
Dibromofluoromethane
Concen: 53.433 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

Tgt Ion:113 Resp: 356956

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	22.2	18.0	27.0

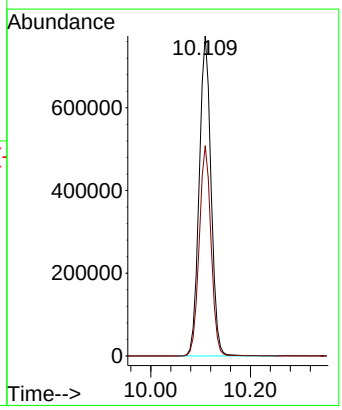


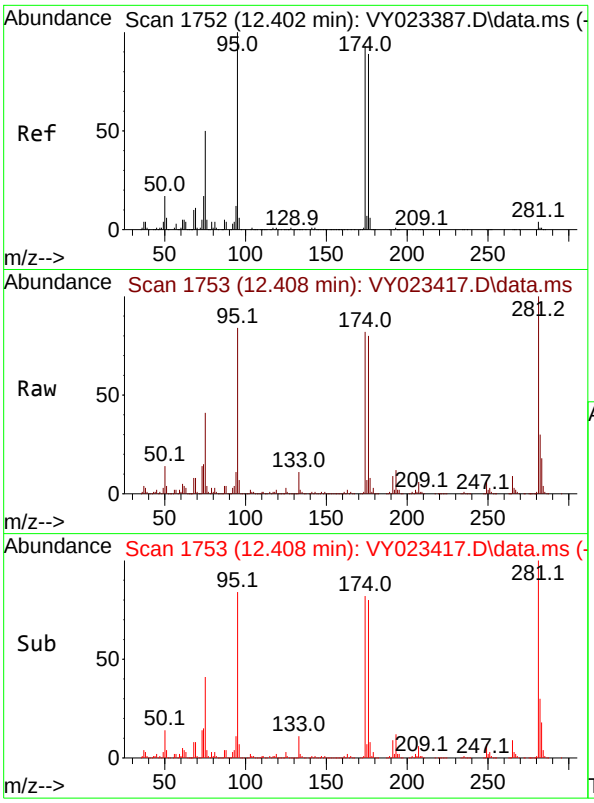


#50
Toluene-d8
Concen: 51.214 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Tgt Ion: 98 Resp: 1274127

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4



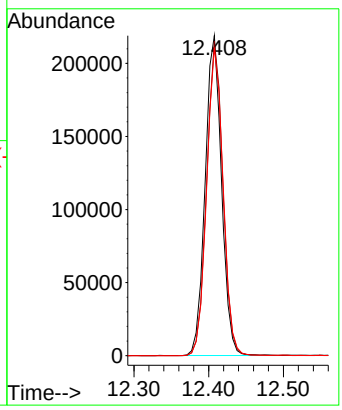


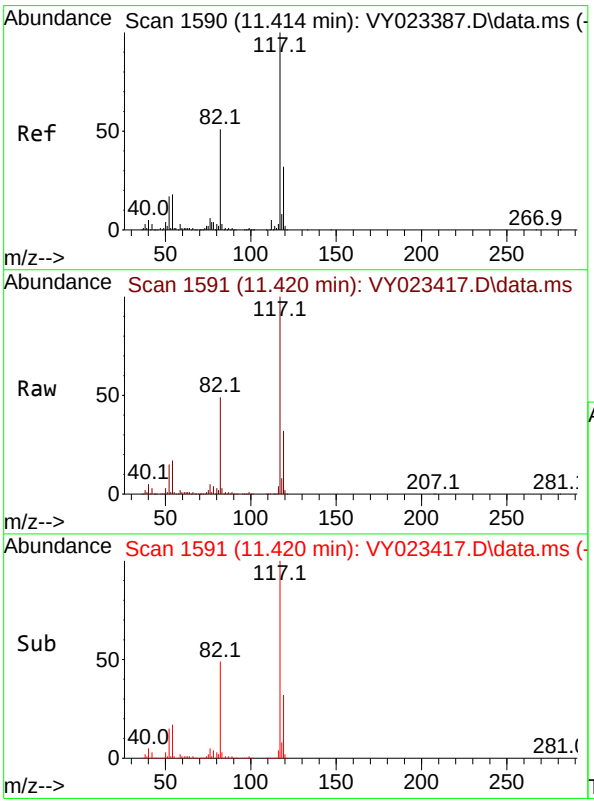
#62
4-Bromofluorobenzene
Concen: 40.530 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

Tgt Ion: 95 Resp: 332896

Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	192.8
176	96.7	0.0	187.6

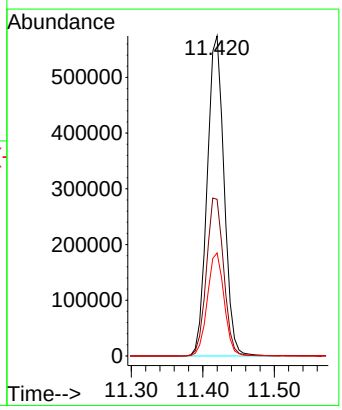


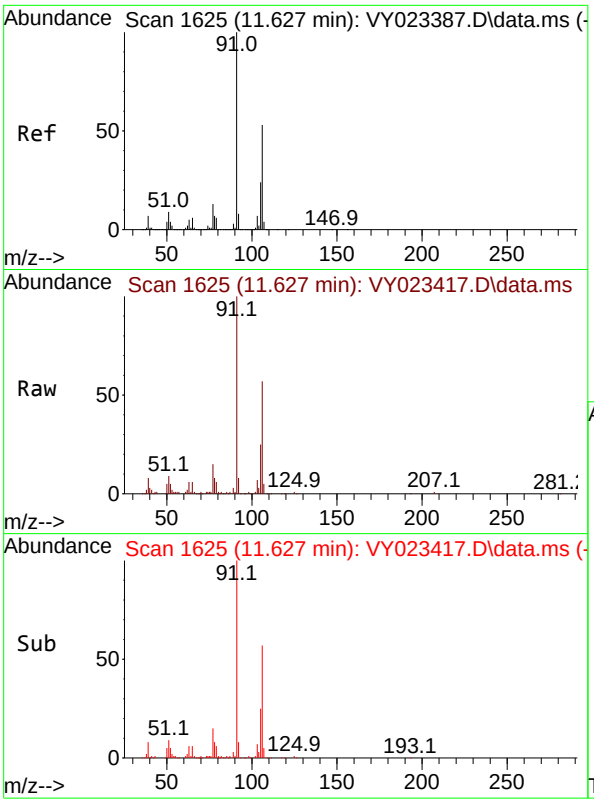


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Tgt Ion:117 Resp: 940588

Ion	Ratio	Lower	Upper
117	100		
82	48.9	41.0	61.4
119	32.2	25.6	38.4



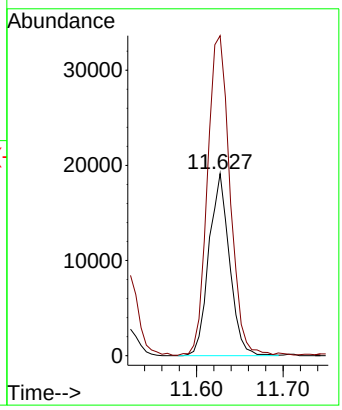


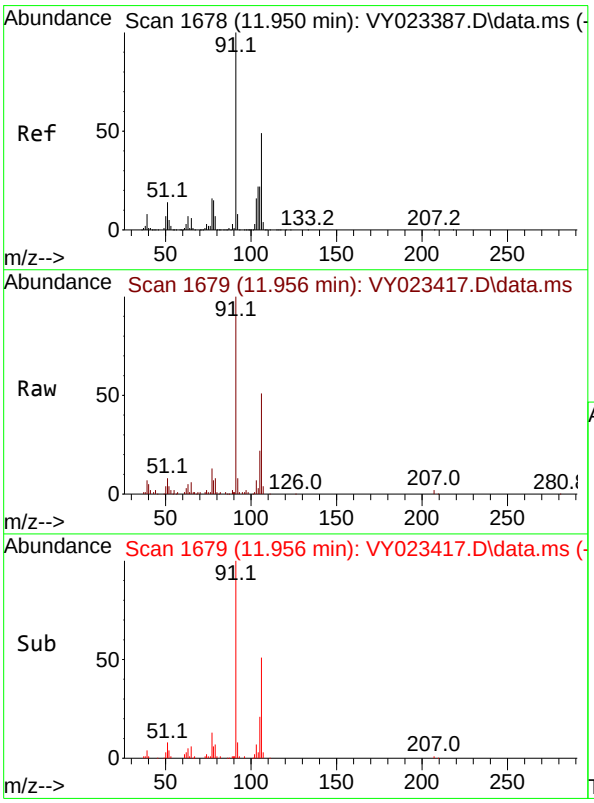
#68
m/p-Xylenes
Concen: 2.375 ug/l
RT: 11.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

Tgt Ion:106 Resp: 31551

Ion	Ratio	Lower	Upper
106	100		
91	191.6	152.6	229.0

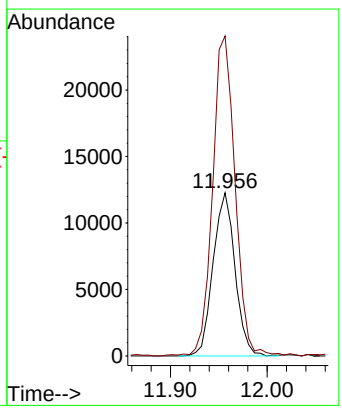


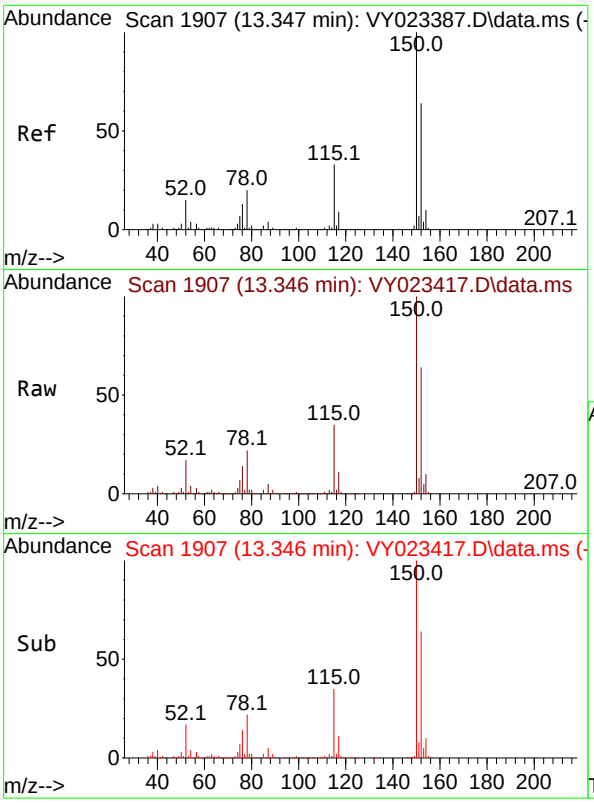


#69
o-Xylene
Concen: 1.549 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Tgt Ion:106 Resp: 19301

Ion	Ratio	Lower	Upper
106	100		
91	201.5	101.4	304.1



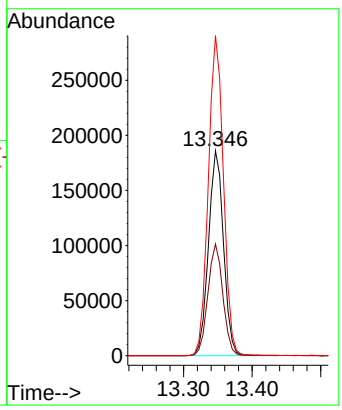


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023417.D
Acq: 09 Oct 2025 12:57

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

Tgt Ion:152 Resp: 284438

Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.1	81.2
150	156.5	0.0	347.4



Sample Results: **VY023417.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023417.D
Acq On : 09 Oct 2025 12:57
Operator : SY/MD
Sample : Q3310-02
Misc : 7.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

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

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

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

Signal : TIC: VY023417.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.622	465	476	484	rBV2	38415	131428	3.23%	0.717%
2	4.708	484	490	502	rVB3	27163	89815	2.20%	0.490%
3	7.640	960	971	977	rBV	497388	1215216	29.82%	6.632%
4	7.713	977	983	1006	rVB	675642	1547985	37.99%	8.448%
5	8.061	1030	1040	1052	rBV	349452	794784	19.50%	4.337%
6	8.616	1121	1131	1146	rBV	1200003	2359861	57.91%	12.878%
7	8.866	1166	1172	1182	rVB2	20700	44783	1.10%	0.244%
8	10.109	1368	1376	1384	rBV	1952271	3240914	79.53%	17.686%
9	10.646	1457	1464	1473	rVB2	47818	83993	2.06%	0.458%
10	11.420	1584	1591	1601	rBV	1607548	2683858	65.86%	14.646%
11	11.627	1617	1625	1643	rVB	104181	225913	5.54%	1.233%
12	11.956	1666	1679	1689	rBV	69920	134590	3.30%	0.734%
13	12.414	1743	1754	1763	rBV2	2170849	4075159	100.00%	22.239%
14	13.346	1901	1907	1916	rVB	1035809	1586475	38.93%	8.658%
15	13.883	1989	1995	2007	rVB2	61924	109947	2.70%	0.600%

Sum of corrected areas: 18324721

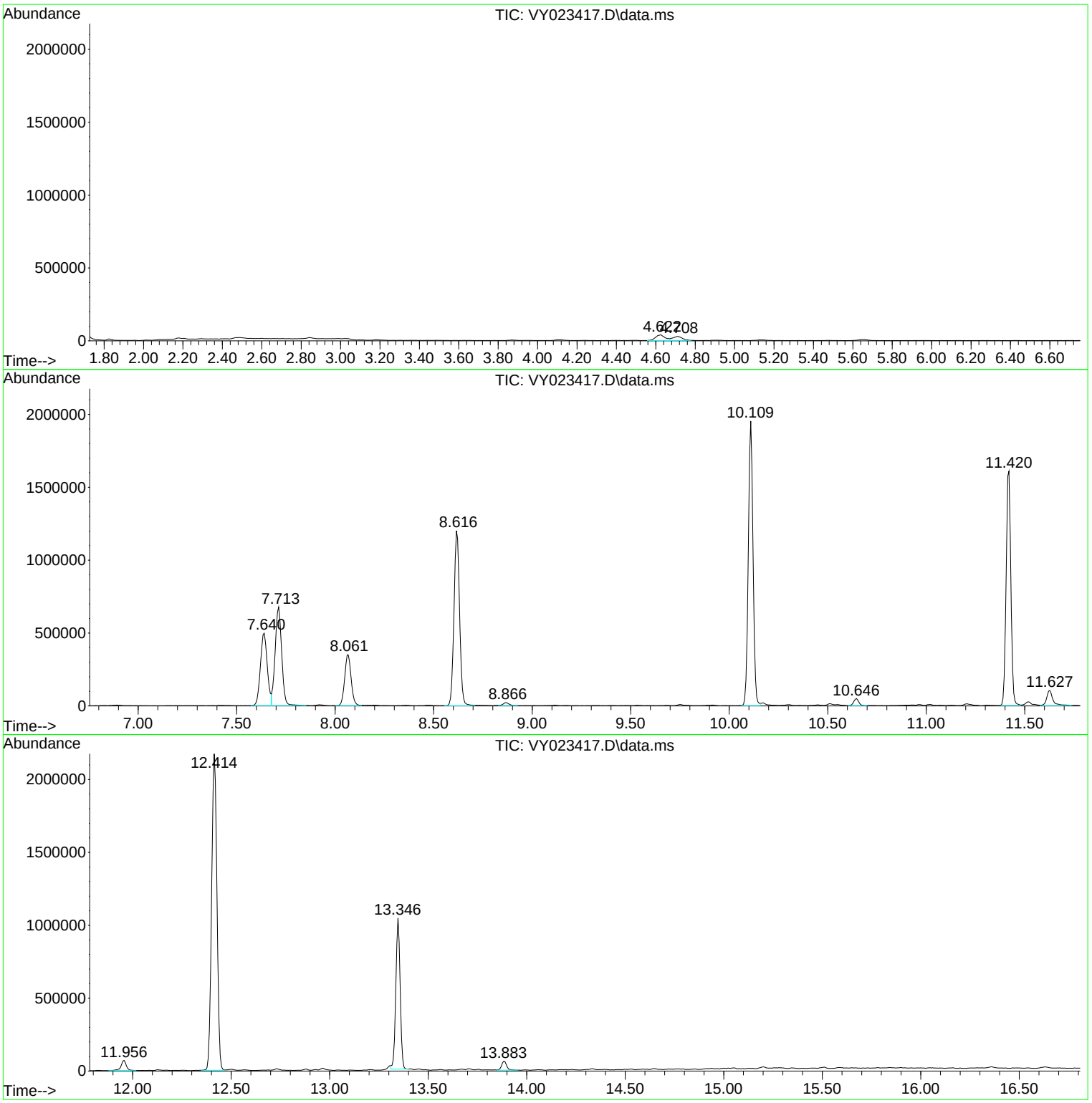
Sample Results: **VY023417.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023417.D
Acq On : 09 Oct 2025 12:57
Operator : SY/MD
Sample : Q3310-02
Misc : 7.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

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

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



Library Search Compound Report

Sample Results: **VY023417.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023417.D
Acq On : 09 Oct 2025 12:57
Operator : SY/MD
Sample : Q3310-02
Misc : 7.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023417.D
Acq On : 09 Oct 2025 12:57
Operator : SY/MD
Sample : Q3310-02
Misc : 7.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-1-2

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

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

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

Raw Data: **VY023418.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-2-3	SDG No.:	Q3310
Lab Sample ID:	Q3310-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	75.1
Sample Wt/Vol:	8.17 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
VY023418.D	1	10/09/25 13:21	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	4.10	ug/Kg
74-87-3	Chloromethane	0.93	U	0.93	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.99	U	0.99	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	4.10	ug/Kg
67-64-1	Acetone	10.2	J	3.90	20.4	ug/Kg
75-15-0	Carbon Disulfide	0.86	U	0.86	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	3.00	J	2.90	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.10	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	4.10	ug/Kg
74-97-5	Bromochloromethane	0.94	U	0.94	4.10	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.74	U	0.74	4.10	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	0.64	4.10	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.74	U	0.74	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.4	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-2-3	SDG No.:	Q3310
Lab Sample ID:	Q3310-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	75.1
Sample Wt/Vol:	8.17 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
VY023418.D	1	10/09/25 13:21	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.4	ug/Kg
124-48-1	Dibromochloromethane	0.71	U	0.71	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.86	U	0.86	4.10	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.10	ug/Kg
95-47-6	o-Xylene	0.67	U	0.67	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.99	U	0.99	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.8		63 - 155	120%	SPK: 50
1868-53-7	Dibromofluoromethane	54.9		70 - 134	110%	SPK: 50
2037-26-5	Toluene-d8	52.0		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		17 - 146	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	579000	7.713			
540-36-3	1,4-Difluorobenzene	1100000	8.616			
3114-55-4	Chlorobenzene-d5	964000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	311000	13.346			

Raw Data: **VY023418.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-2-3	SDG No.:	Q3310
Lab Sample ID:	Q3310-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	75.1
Sample Wt/Vol:	8.17 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
VY023418.D	1	10/09/25 13:21	VY100925

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\VY100925\
Data File : VY023418.D
Acq On : 09 Oct 2025 13:21
Operator : SY/MD
Sample : Q3310-03
Misc : 8.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

Quant Time: Oct 10 04:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

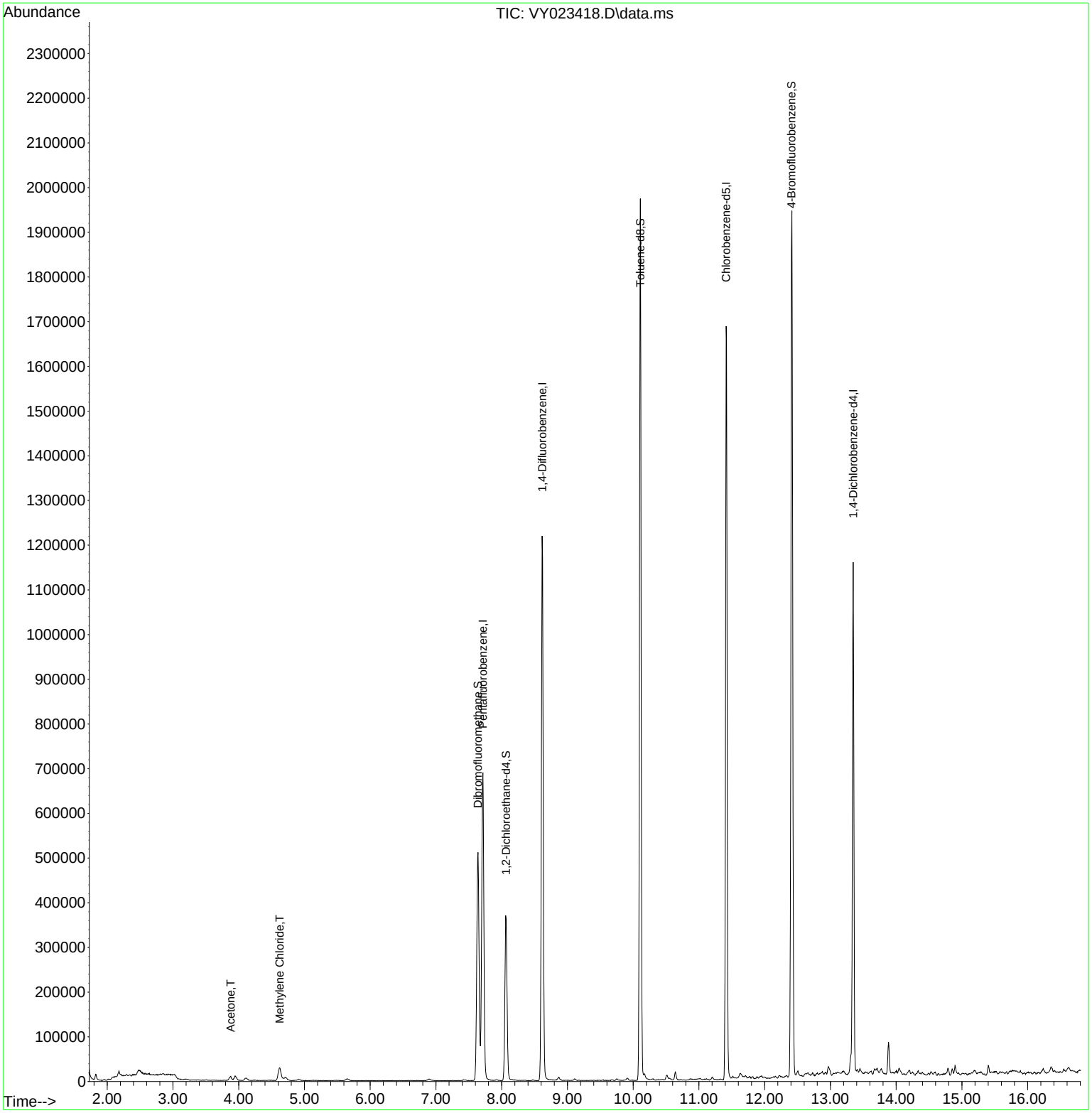
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	579062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1100821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	963674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	310632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	289335	59.753	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.500%			
35) Dibromofluoromethane	7.640	113	371361	54.902	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.800%			
50) Toluene-d8	10.109	98	1309292	51.977	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.960%			
62) 4-Bromofluorobenzene	12.408	95	352514	42.388	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.780%			
Target Compounds						Qvalue
16) Acetone	3.879	43	14388	12.481	ug/l	99
20) Methylene Chloride	4.622	84	23323	3.742	ug/l	96

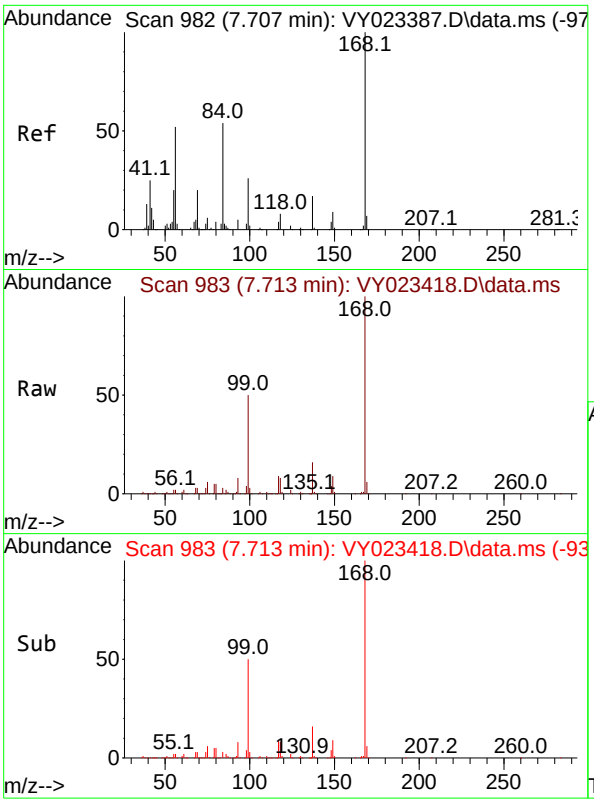
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023418.D
Acq On : 09 Oct 2025 13:21
Operator : SY/MD
Sample : Q3310-03
Misc : 8.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

Quant Time: Oct 10 04:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



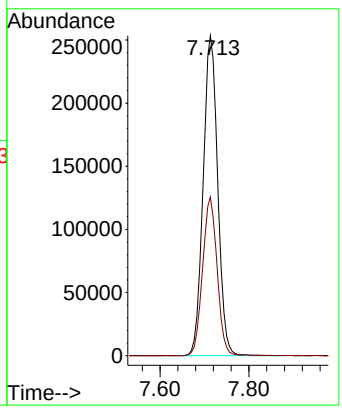


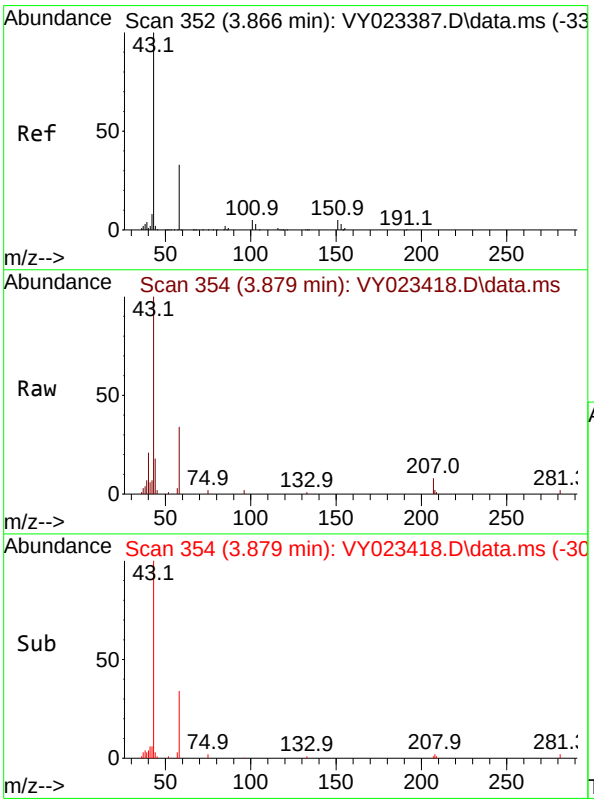
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023418.D
Acq: 09 Oct 2025 13:21

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

Tgt Ion:168 Resp: 579062

Ion	Ratio	Lower	Upper
168	100		
99	49.6	39.7	59.5

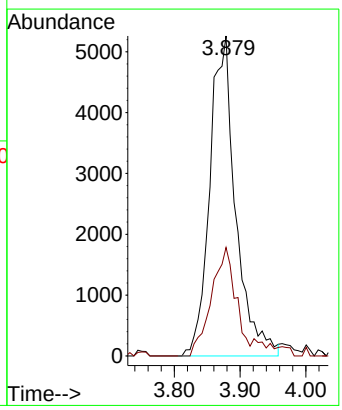




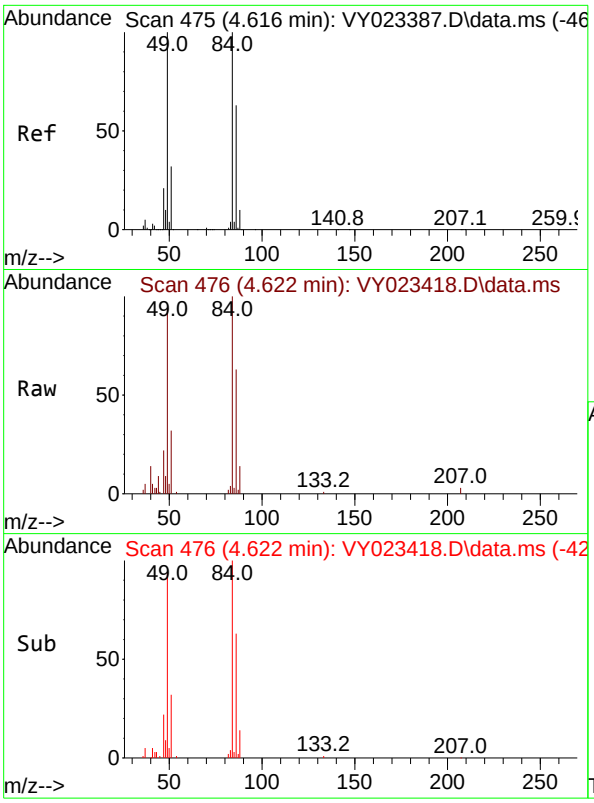
#16
Acetone
Concen: 12.481 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023418.D
Acq: 09 Oct 2025 13:21

Tgt Ion: 43 Resp: 14388

Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.7	41.5



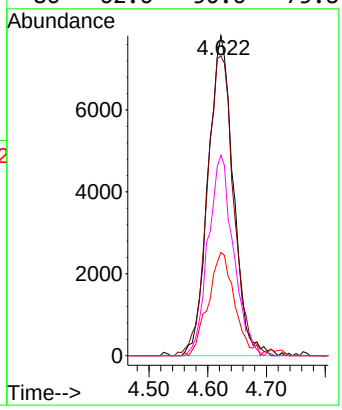
Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

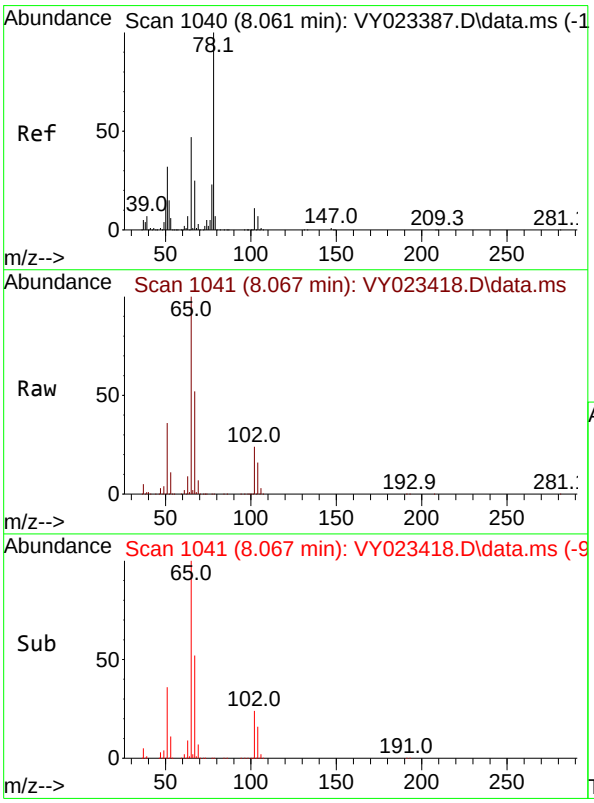


#20
Methylene Chloride
Concen: 3.742 ug/l
RT: 4.622 min Scan# 4
Delta R.T. 0.006 min
Lab File: VY023418.D
Acq: 09 Oct 2025 13:21

Tgt Ion: 84 Resp: 23323

Ion	Ratio	Lower	Upper
84	100		
49	93.6	80.2	120.4
51	32.3	25.9	38.9
86	62.6	50.6	75.8

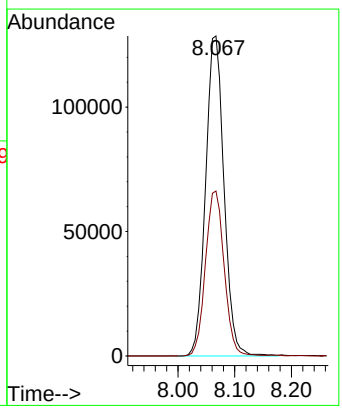


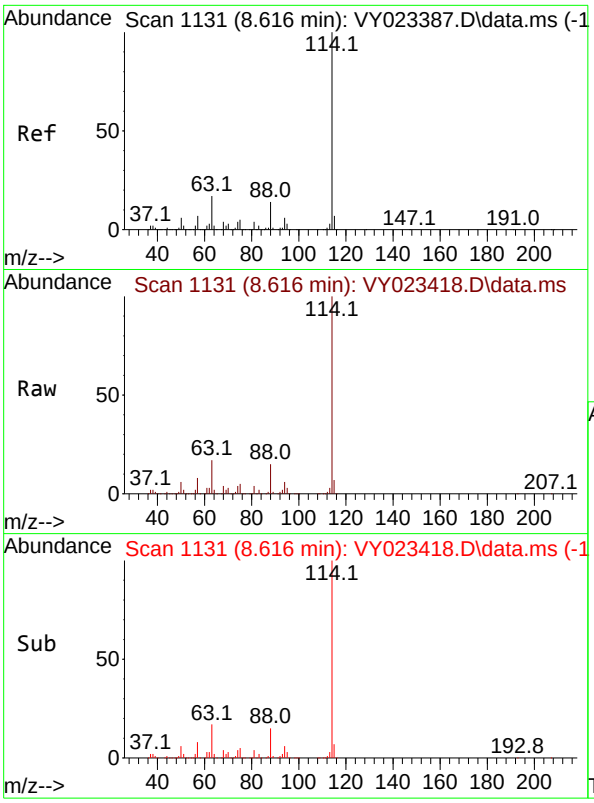


#33
1,2-Dichloroethane-d4
Concen: 59.753 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023418.D
Acq: 09 Oct 2025 13:21

Tgt Ion: 65 Resp: 289335

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	105.8



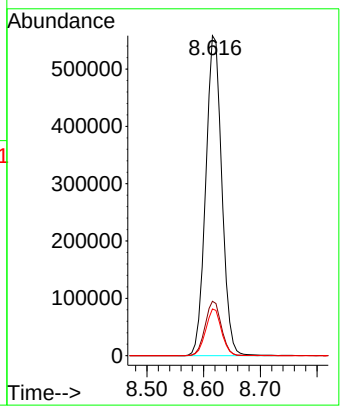


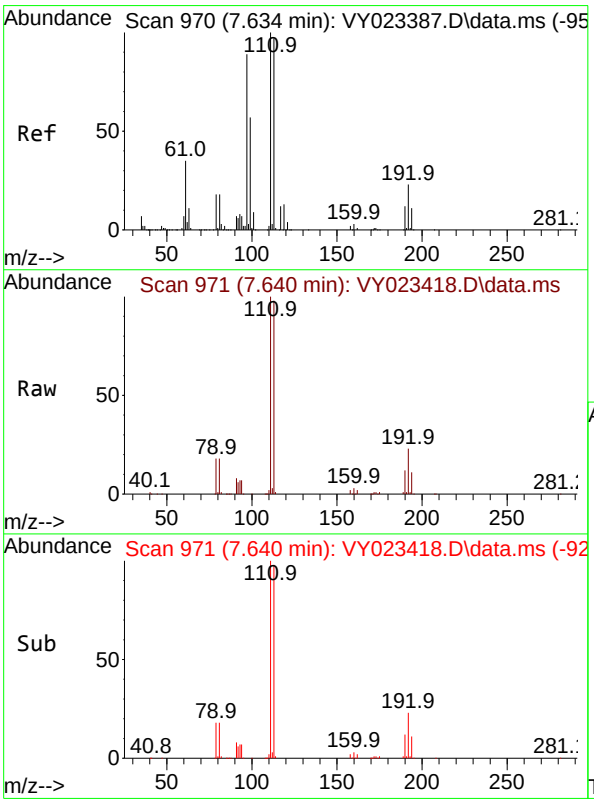
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023418.D
Acq: 09 Oct 2025 13:21

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

Tgt Ion:114 Resp: 1100821

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	34.2
88	14.6	0.0	28.4

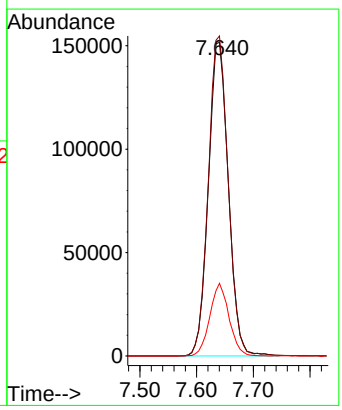


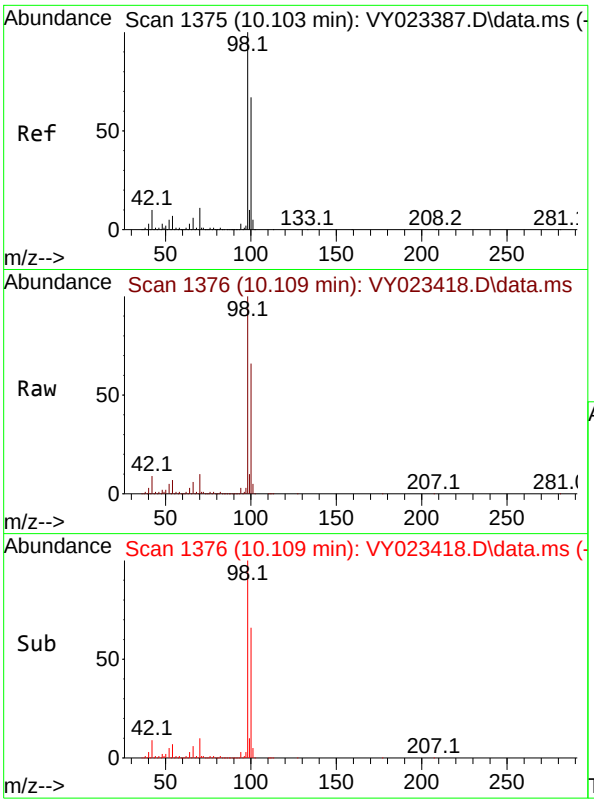


#35
Dibromofluoromethane
Concen: 54.902 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023418.D
Acq: 09 Oct 2025 13:21

Tgt Ion:113 Resp: 371361

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.6
192	22.3	18.0	27.0



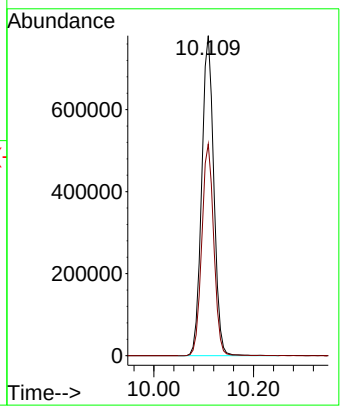


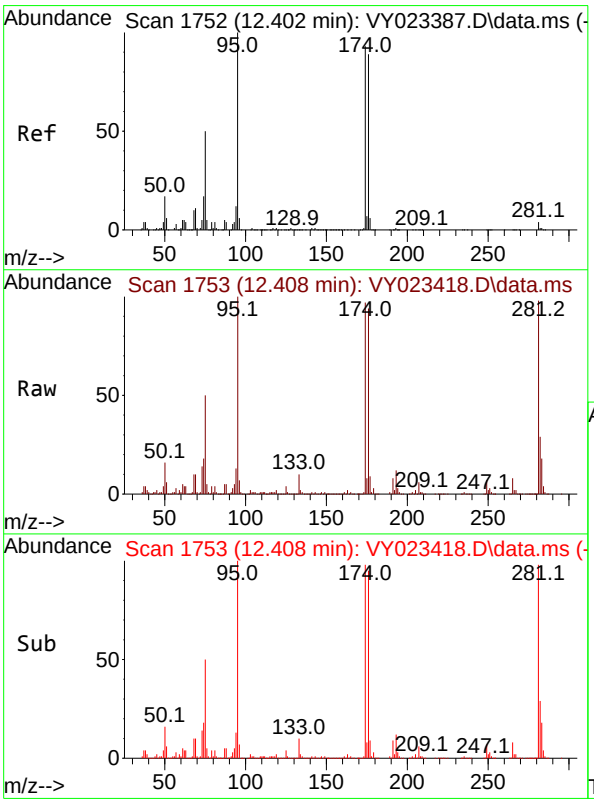
#50
Toluene-d8
Concen: 51.977 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023418.D
Acq: 09 Oct 2025 13:21

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

Tgt Ion: 98 Resp: 1309292

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.4

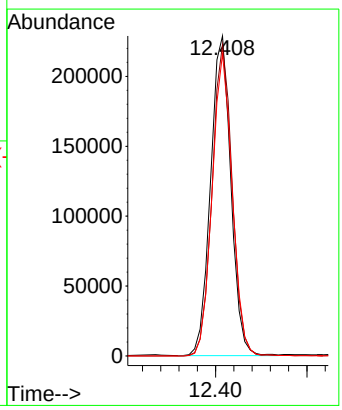


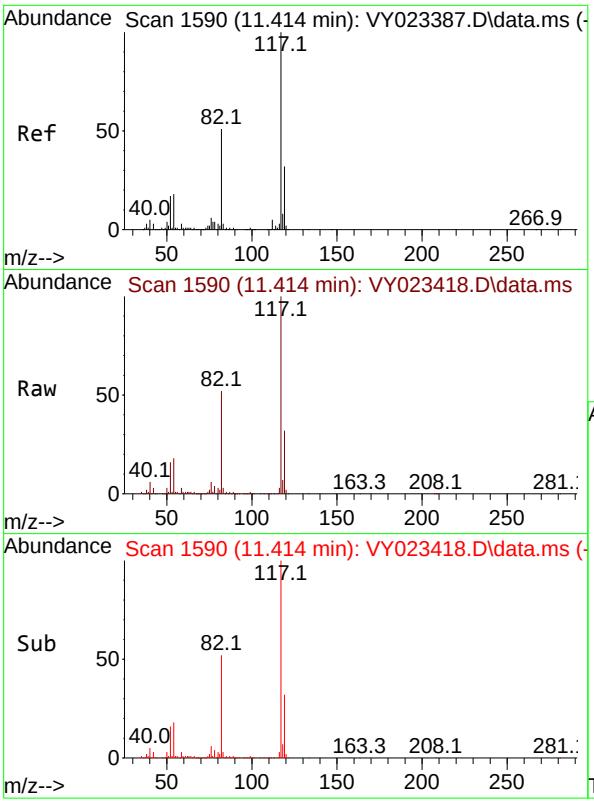


#62
4-Bromofluorobenzene
Concen: 42.388 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023418.D
Acq: 09 Oct 2025 13:21

Tgt Ion: 95 Resp: 352514

Ion	Ratio	Lower	Upper
95	100		
174	96.5	0.0	192.8
176	93.8	0.0	187.6



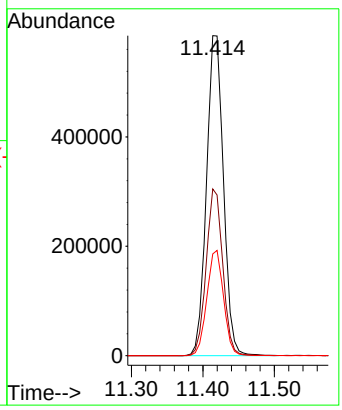


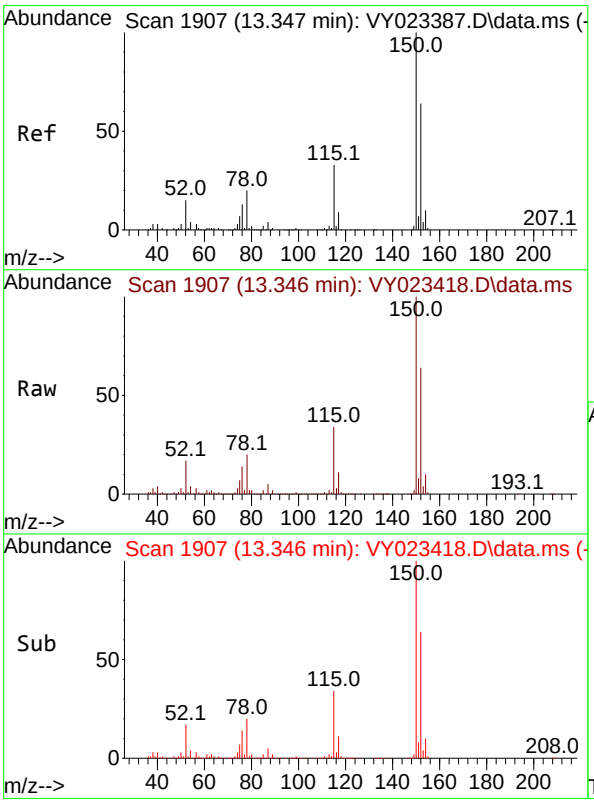
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023418.D
Acq: 09 Oct 2025 13:21

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

Tgt Ion:117 Resp: 963674

Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.0	61.4
119	31.8	25.6	38.4

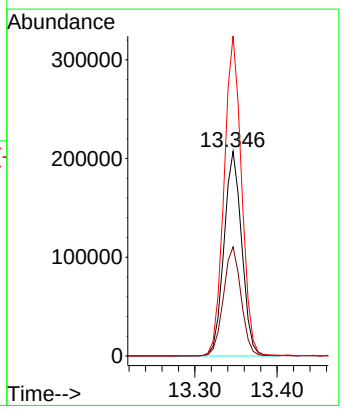




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023418.D
Acq: 09 Oct 2025 13:21

Tgt Ion:152 Resp: 310632

Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.1	81.2
150	154.5	0.0	347.4



Sample Results: **VY023418.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023418.D
Acq On : 09 Oct 2025 13:21
Operator : SY/MD
Sample : Q3310-03
Misc : 8.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

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

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

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

Signal : TIC: VY023418.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.622	465	476	485	rBV	28794	94069	2.52%	0.523%
2	7.640	959	971	977	rBV	510678	1250492	33.49%	6.953%
3	7.713	977	983	1003	rVB	688713	1585609	42.47%	8.817%
4	8.061	1031	1040	1054	rBV	369921	827427	22.16%	4.601%
5	8.616	1122	1131	1148	rBV	1218544	2397032	64.20%	13.328%
6	10.109	1368	1376	1384	rBV	1972708	3325372	89.07%	18.490%
7	11.414	1583	1590	1602	rBV	1686469	2779114	74.44%	15.453%
8	12.414	1744	1754	1764	rBV2	1938511	3733450	100.00%	20.759%
9	12.968	1841	1845	1853	rVB9	19556	46074	1.23%	0.256%
10	13.346	1896	1907	1915	rBV	1142633	1781200	47.71%	9.904%
11	13.883	1989	1995	2001	rBV2	71835	122434	3.28%	0.681%
12	15.401	2239	2244	2250	rBV4	21410	42066	1.13%	0.234%

Sum of corrected areas: 17984339

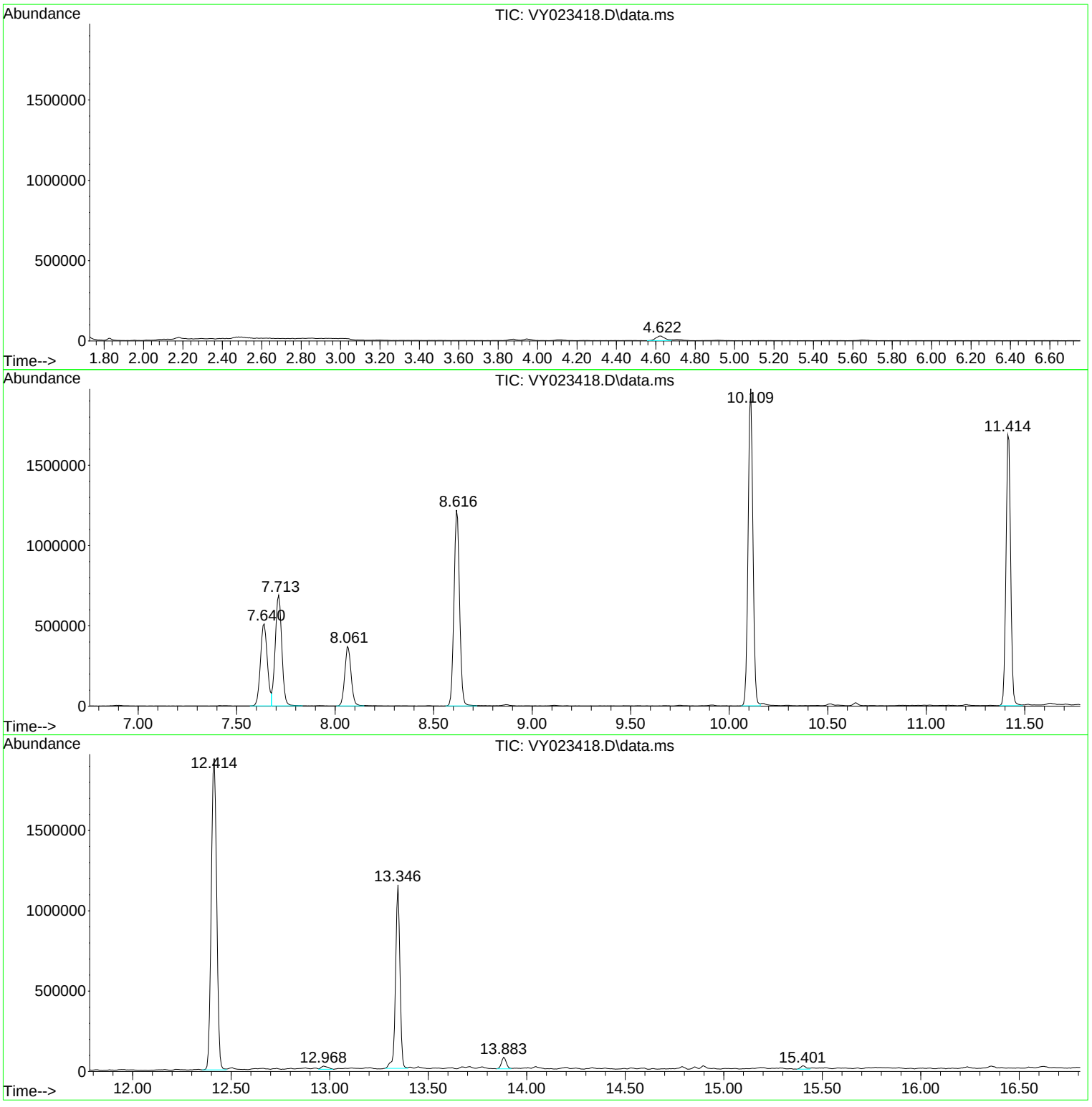
Sample Results: **VY023418.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023418.D
Acq On : 09 Oct 2025 13:21
Operator : SY/MD
Sample : Q3310-03
Misc : 8.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

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

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



Library Search Compound Report

Sample Results: **VY023418.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023418.D
Acq On : 09 Oct 2025 13:21
Operator : SY/MD
Sample : Q3310-03
Misc : 8.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

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

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

No Library Search Compounds Detected
****

Sample Results: **VY023418.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023418.D
Acq On : 09 Oct 2025 13:21
Operator : SY/MD
Sample : Q3310-03
Misc : 8.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-2-3

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

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG No.: Q3310

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

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

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

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

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

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG No.: Q3310

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

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

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

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

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

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

Response Factor Report GCVOA_Y

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

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

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

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

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

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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

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

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

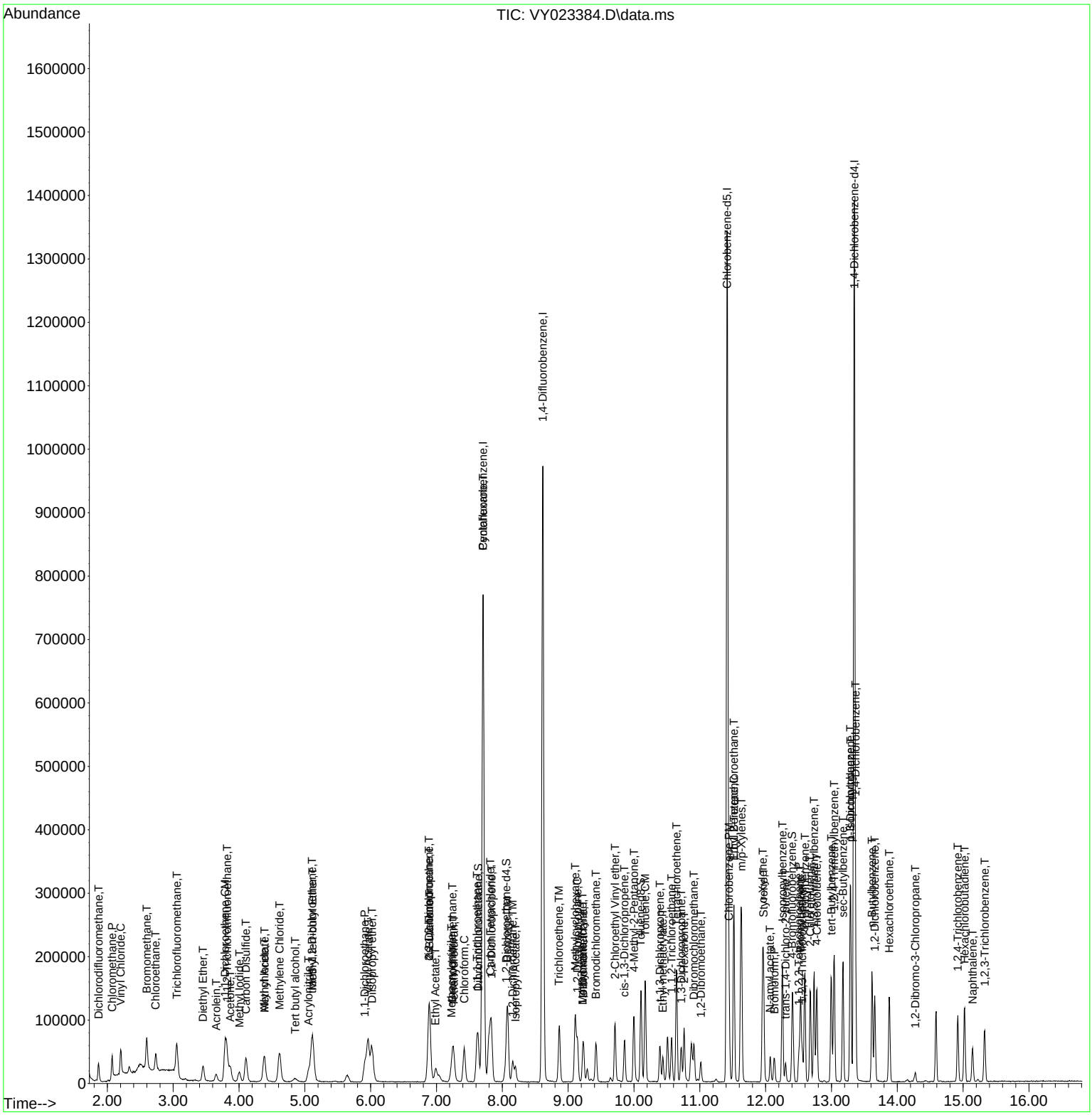
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

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

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

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

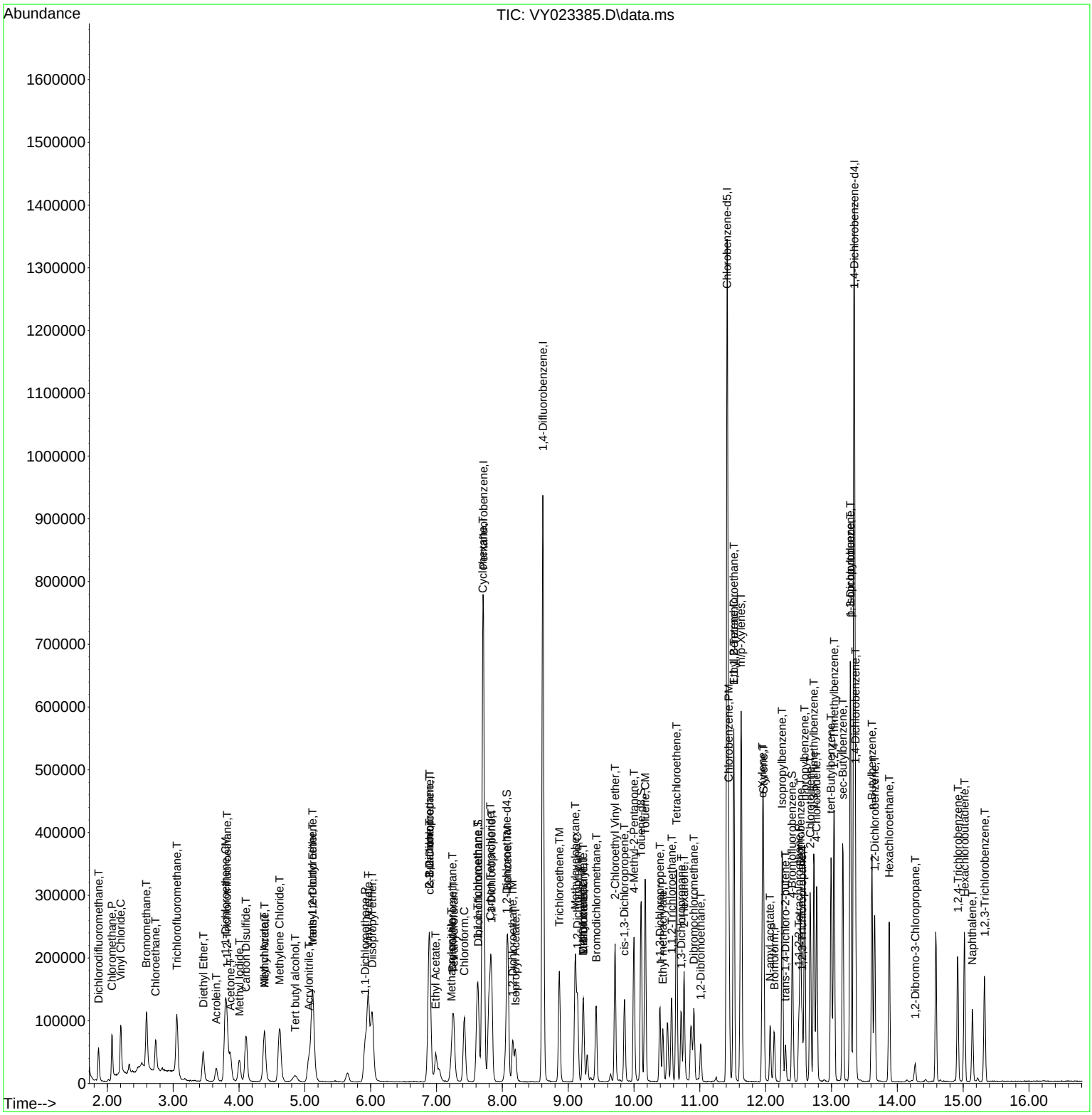
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

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

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

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

ICAL Form

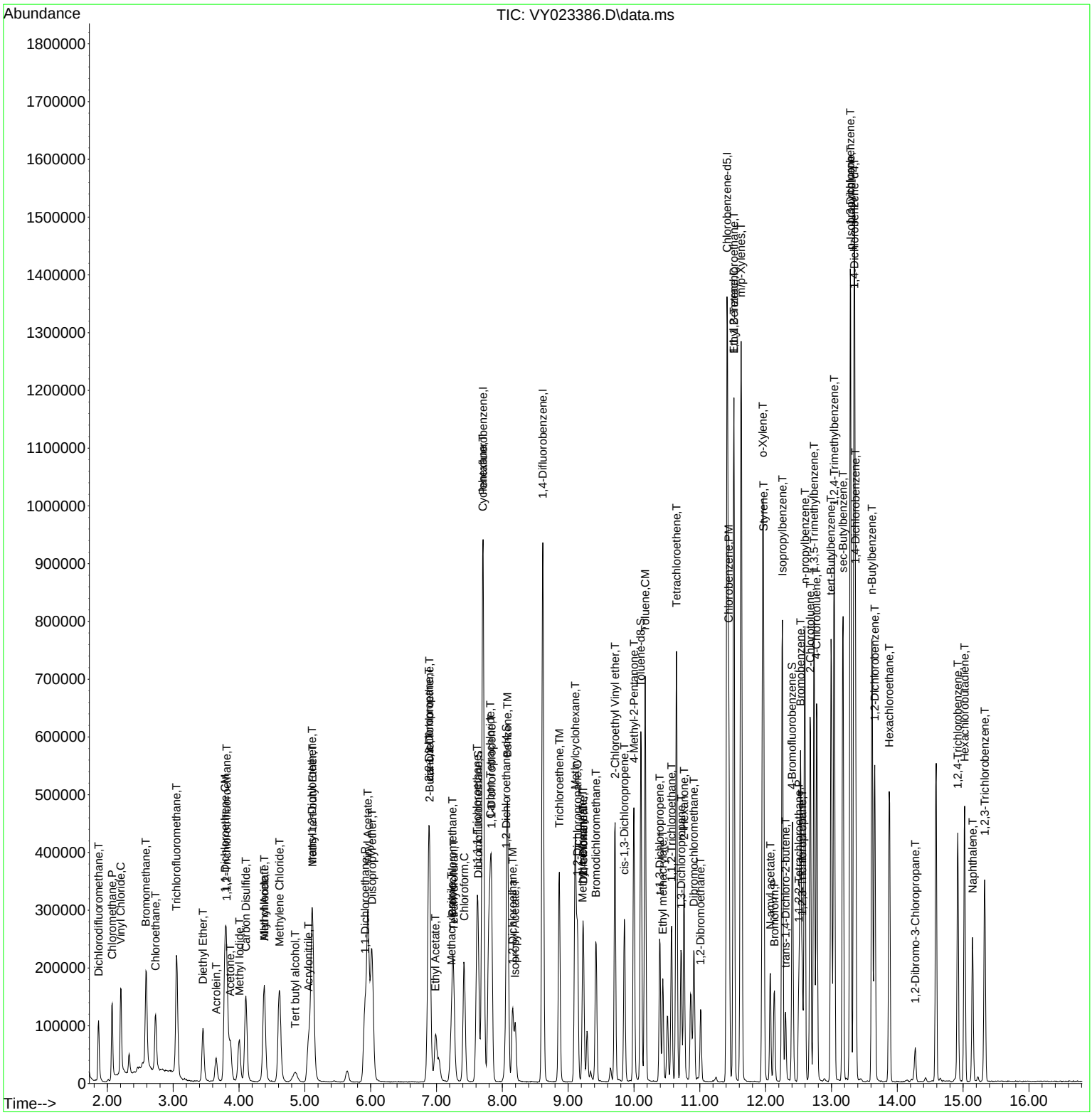
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

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

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

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

ICAL Form

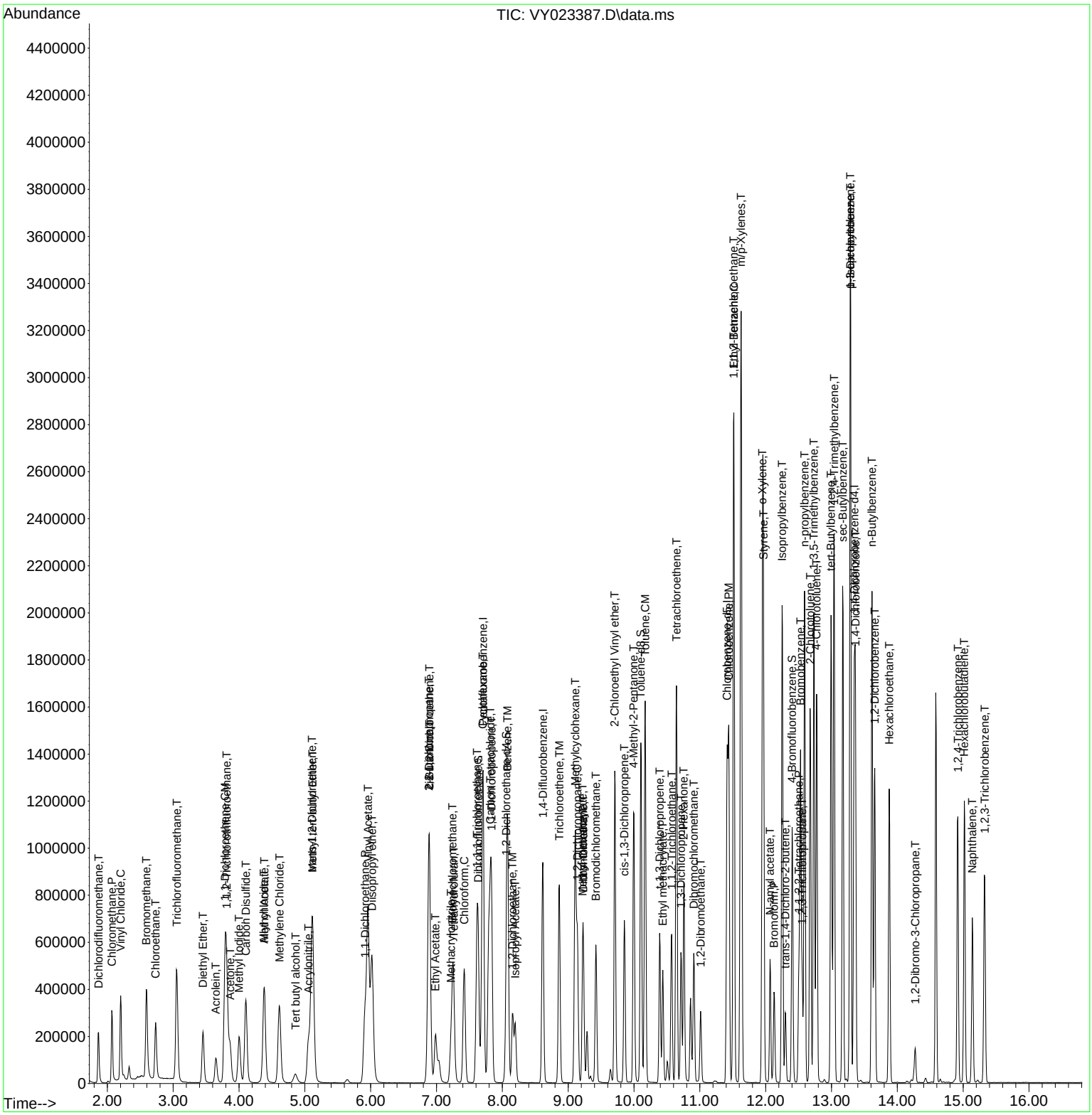
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

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

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

ICAL Form

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

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

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

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

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

ICAL Form

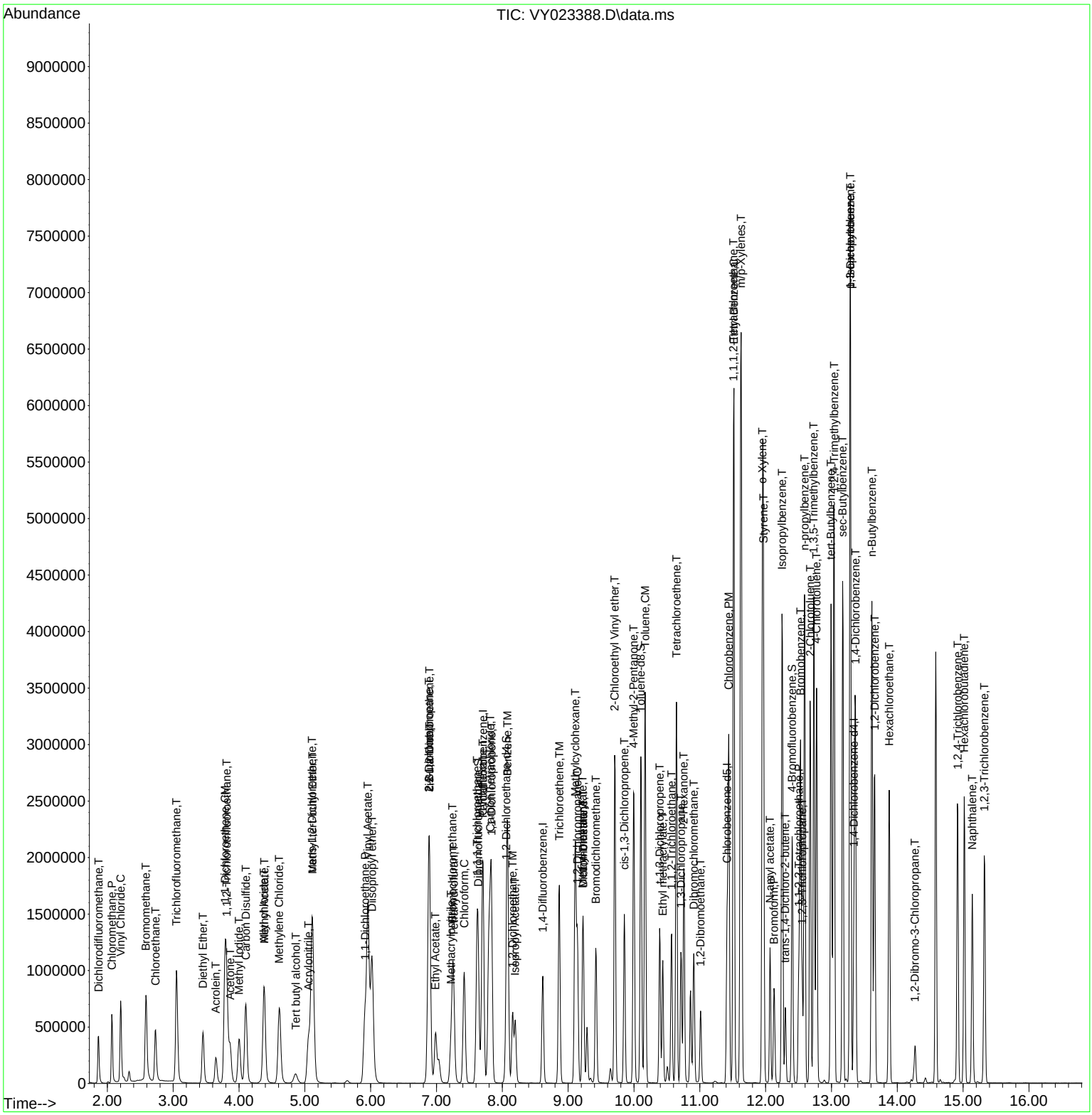
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

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

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

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

ICAL Form

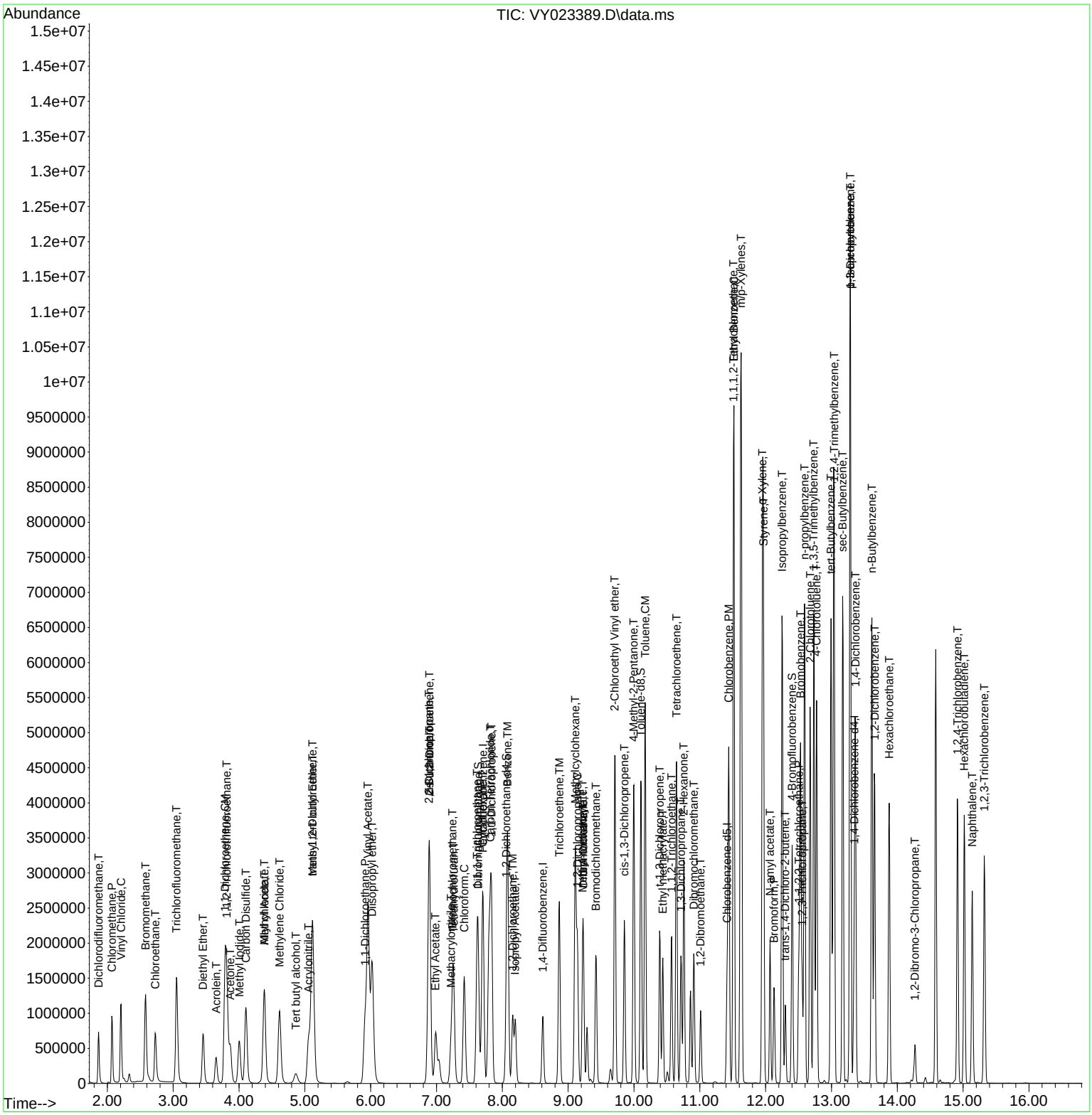
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

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

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

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
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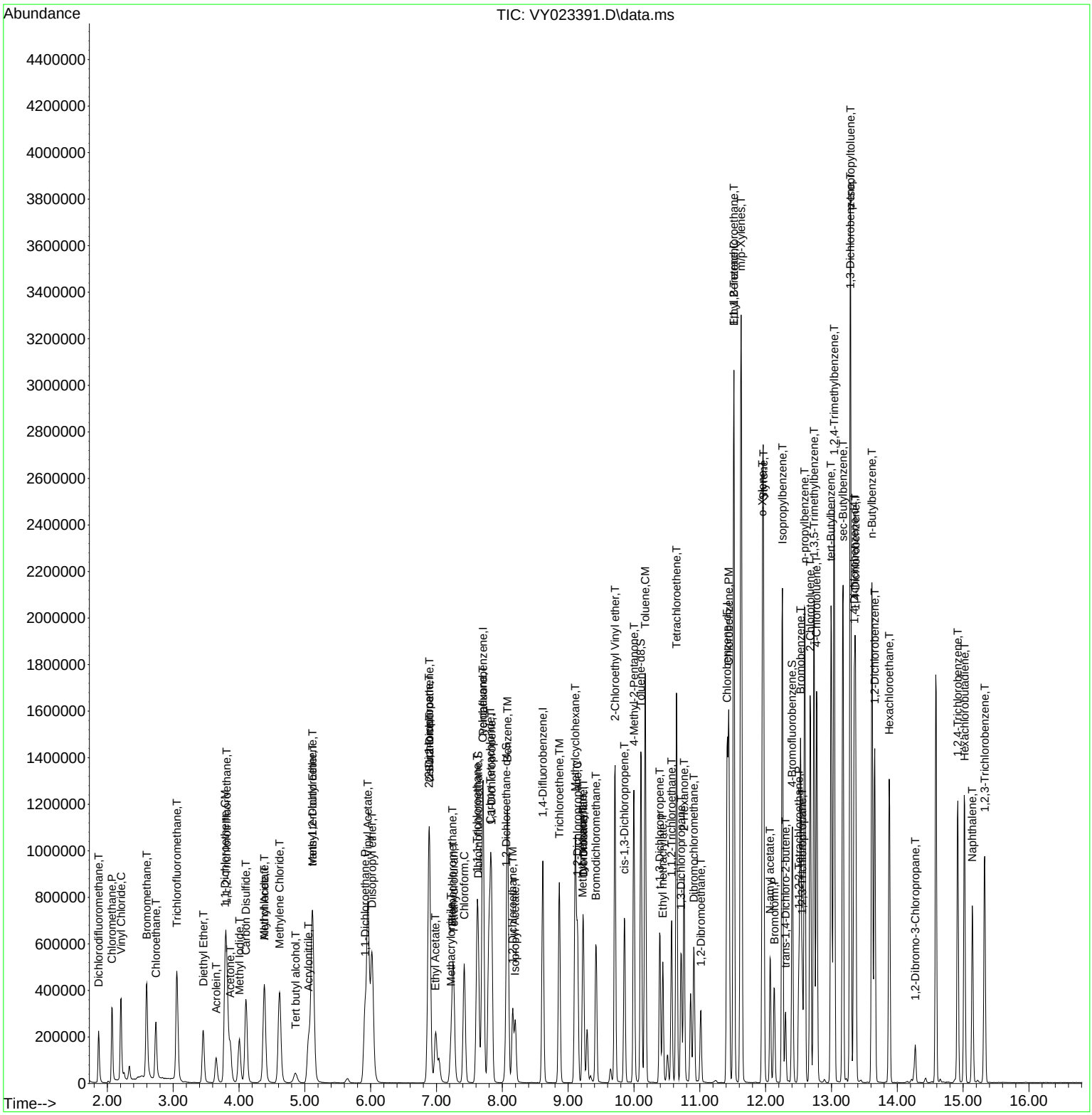
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1039.252	-3.9	110	0.00
50	S	Toluene-d8	50.000	49.228	1.5	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.421	-1.4	106	0.00
52	CM	Toluene	50.000	51.556	-3.1#	105	0.00
53	T	t-1,3-Dichloropropene	50.000	51.160	-2.3	105	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.649	-3.3	106	0.00
55	T	1,1,2-Trichloroethane	50.000	50.430	-0.9	106	0.00
56	T	Ethyl methacrylate	50.000	53.385	-6.8	107	0.00
57	T	1,3-Dichloropropane	50.000	51.113	-2.2	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	272.133	-8.9	106	0.00
59	T	2-Hexanone	250.000	245.480	1.8	105	0.00
60	T	Dibromochloromethane	50.000	50.974	-1.9	106	0.00
61	T	1,2-Dibromoethane	50.000	50.658	-1.3	105	0.00
62	S	4-Bromofluorobenzene	50.000	49.881	0.2	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	48.087	3.8	98	0.00
65	PM	Chlorobenzene	50.000	49.381	1.2	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.537	0.9	106	0.00
67	C	Ethyl Benzene	50.000	50.841	-1.7#	104	0.00
68	T	m/p-Xylenes	100.000	101.757	-1.8	103	0.00
69	T	o-Xylene	50.000	51.577	-3.2	105	0.00
70	T	Styrene	50.000	52.122	-4.2	105	0.00
71	P	Bromoform	50.000	50.070	-0.1	108	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	50.318	-0.6	103	0.00
74	T	N-amyl acetate	50.000	51.087	-2.2	108	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.688	0.6	111	0.00
76	T	1,2,3-Trichloropropane	50.000	42.874	14.3	90	0.00
77	T	Bromobenzene	50.000	49.590	0.8	106	0.00
78	T	n-propylbenzene	50.000	50.694	-1.4	103	0.00
79	T	2-Chlorotoluene	50.000	50.047	-0.1	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.231	-2.5	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.566	6.9	103	0.00
82	T	4-Chlorotoluene	50.000	50.455	-0.9	105	0.00
83	T	tert-Butylbenzene	50.000	52.019	-4.0	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.520	-3.0	105	0.00
85	T	sec-Butylbenzene	50.000	50.848	-1.7	104	0.00
86	T	p-Isopropyltoluene	50.000	51.864	-3.7	104	0.00
87	T	1,3-Dichlorobenzene	50.000	49.632	0.7	106	0.00
88	T	1,4-Dichlorobenzene	50.000	49.140	1.7	105	0.00
89	T	n-Butylbenzene	50.000	51.829	-3.7	105	0.00
90	T	Hexachloroethane	50.000	49.116	1.8	105	0.00
91	T	1,2-Dichlorobenzene	50.000	49.698	0.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.687	2.6	107	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.138	-2.3	107	0.00
94	T	Hexachlorobutadiene	50.000	50.061	-0.1	104	0.00
95	T	Naphthalene	50.000	52.154	-4.3	109	0.00

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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

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

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

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

Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.808	0.827	-2.4	108	0.00

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

Raw Data: **VY023407.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: LANG01
Lab Code: ACE
SDG No.: Q3310
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/09/2025 08:47
Lab File ID: VY023407.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.325		-9.72	20
Chloromethane	0.490	0.457	0.1	-6.74	20
Vinyl Chloride	0.639	0.603		-5.63	20
Bromomethane	0.536	0.486		-9.33	20
Chloroethane	0.435	0.429		-1.38	20
Trichlorofluoromethane	0.887	0.840		-5.3	20
1,1,2-Trichlorotrifluoroethane	0.460	0.464		0.87	20
1,1-Dichloroethene	0.446	0.439		-1.57	20
Acetone	0.100	0.108		8	20
Carbon Disulfide	1.277	1.281		0.31	20
Methyl tert-butyl Ether	1.072	1.059		-1.21	20
Methyl Acetate	0.261	0.259		-0.77	20
Methylene Chloride	0.538	0.497		-7.62	20
trans-1,2-Dichloroethene	0.491	0.501		2.04	20
1,1-Dichloroethane	0.796	0.803	0.1	0.88	20
Cyclohexane	0.696	0.654		-6.03	20
2-Butanone	0.122	0.121		-0.82	20
Carbon Tetrachloride	0.493	0.516		4.66	20
cis-1,2-Dichloroethene	0.567	0.579		2.12	20
Bromochloromethane	0.297	0.276		-7.07	20
Chloroform	0.875	0.894		2.17	20
1,1,1-Trichloroethane	0.795	0.802		0.88	20
Methylcyclohexane	0.530	0.548		3.4	20
Benzene	1.288	1.342		4.19	20
1,2-Dichloroethane	0.332	0.340		2.41	20
Trichloroethene	0.377	0.386		2.39	20
1,2-Dichloropropane	0.285	0.296		3.86	20
Bromodichloromethane	0.453	0.475		4.86	20
4-Methyl-2-Pentanone	0.166	0.174		4.82	20
Toluene	0.836	0.894		6.94	20
t-1,3-Dichloropropene	0.394	0.411		4.32	20
cis-1,3-Dichloropropene	0.465	0.487		4.73	20
1,1,2-Trichloroethane	0.242	0.255		5.37	20
2-Hexanone	0.119	0.126		5.88	20
Dibromochloromethane	0.339	0.355		4.72	20
1,2-Dibromoethane	0.231	0.241		4.33	20
Tetrachloroethene	0.516	0.534		3.49	20
Chlorobenzene	1.087	1.103	0.3	1.47	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: **VY023407.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	LANG01
Lab Code:	ACE	SDG No.:	Q3310
Instrument ID:	MSVOA_Y	Calibration Date/Time:	10/09/2025 08:47
Lab File ID:	VY023407.D	Init. Calib. Date(s):	10/07/2025 10/07/2025
Heated Purge: (Y/N)	Y	Init. Calib. Time(s):	09:17 12:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.836		4.32	20
m/p-Xylenes	0.706	0.745		5.52	20
o-Xylene	0.662	0.689		4.08	20
Styrene	1.089	1.151		5.69	20
Bromoform	0.240	0.243	0.1	1.25	20
Isopropylbenzene	3.295	3.452		4.76	20
1,1,2,2-Tetrachloroethane	0.539	0.537	0.3	-0.37	20
1,3-Dichlorobenzene	1.706	1.710		0.23	20
1,4-Dichlorobenzene	1.685	1.673		-0.71	20
1,2-Dichlorobenzene	1.496	1.512		1.07	20
1,2-Dibromo-3-Chloropropane	0.088	0.085		-3.41	20
1,2,4-Trichlorobenzene	0.932	0.876		-6.01	20
1,2,3-Trichlorobenzene	0.808	0.755		-6.56	20
1,2-Dichloroethane-d4	0.418	0.413		-1.2	20
Dibromofluoromethane	0.307	0.317		3.26	20
Toluene-d8	1.144	1.201		4.98	20
4-Bromofluorobenzene	0.378	0.383		1.32	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: **VY023407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	540041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	774126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	696341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	360790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	223226	49.431	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.860%			
35) Dibromofluoromethane	7.634	113	245021	51.511	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.020%			
50) Toluene-d8	10.109	98	929940	52.497	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.000%			
62) 4-Bromofluorobenzene	12.408	95	296545	50.706	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	175562	45.165	ug/l	98
3) Chloromethane	2.074	50	246897	46.626	ug/l	98
4) Vinyl Chloride	2.208	62	325565	47.203	ug/l	100
5) Bromomethane	2.599	94	262495	45.352	ug/l	99
6) Chloroethane	2.739	64	231682	49.279	ug/l	100
7) Trichlorofluoromethane	3.062	101	453600	47.366	ug/l	99
8) Diethyl Ether	3.458	74	119924	47.924	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	250343	50.377	ug/l	99
10) Methyl Iodide	4.007	142	302659	54.708	ug/l	100
11) Tert butyl alcohol	4.860	59	72062	214.498	ug/l	98
12) 1,1-Dichloroethene	3.793	96	237323	49.265	ug/l	93
13) Acrolein	3.653	56	93981	197.974	ug/l	97
14) Allyl chloride	4.385	41	289487	49.309	ug/l	99
15) Acrylonitrile	5.061	53	235123	245.521	ug/l	99
16) Acetone	3.873	43	292955	272.492	ug/l	99
17) Carbon Disulfide	4.110	76	691816	50.177	ug/l	99
18) Methyl Acetate	4.385	43	139750	49.553	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	572075	49.411	ug/l	96
20) Methylene Chloride	4.616	84	268581	46.200	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	270715	51.043	ug/l	99
22) Diisopropyl ether	6.025	45	661171	50.913	ug/l	100
23) Vinyl Acetate	5.964	43	1772777	252.202	ug/l	99
24) 1,1-Dichloroethane	5.921	63	433528	50.397	ug/l	98
25) 2-Butanone	6.897	43	327067	249.190	ug/l	95
26) 2,2-Dichloropropane	6.890	77	402884	51.041	ug/l	100
27) cis-1,2-Dichloroethene	6.897	96	312842	51.065	ug/l	98
28) Bromochloromethane	7.250	49	148933	46.377	ug/l	98
29) Tetrahydrofuran	7.268	42	181368	243.679	ug/l	100
30) Chloroform	7.427	83	482665	51.069	ug/l	99
31) Cyclohexane	7.707	56	353221	47.019	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	433016	50.415	ug/l	100
36) 1,1-Dichloropropene	7.841	75	330135	52.425	ug/l	100
37) Ethyl Acetate	6.988	43	127592	51.143	ug/l	98
38) Carbon Tetrachloride	7.823	117	399630	52.336	ug/l	98
39) Methylcyclohexane	9.110	83	423860	51.695	ug/l	99
40) Benzene	8.085	78	1038659	52.081	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	70514	52.260	ug/l		92
42) 1,2-Dichloroethane	8.158	62	263484	51.228	ug/l		100
43) Isopropyl Acetate	8.201	43	246006	49.451	ug/l	#	87
44) Trichloroethene	8.866	130	299026	51.229	ug/l		99
45) 1,2-Dichloropropane	9.146	63	229106	52.011	ug/l		99
46) Dibromomethane	9.231	93	148392	53.275	ug/l		97
47) Bromodichloromethane	9.427	83	367798	52.430	ug/l		99
48) Methyl methacrylate	9.225	41	117590	50.315	ug/l		99
49) 1,4-Dioxane	9.231	88	29182	903.627	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	673260	261.942	ug/l		99
52) Toluene	10.170	92	691962	53.439	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	318047	52.141	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	376659	52.320	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	197777	52.802	ug/l		95
56) Ethyl methacrylate	10.439	69	230201	53.280	ug/l		98
57) 1,3-Dichloropropane	10.719	76	312218	52.603	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	510862	263.940	ug/l		100
59) 2-Hexanone	10.762	43	486294	264.747	ug/l		99
60) Dibromochloromethane	10.914	129	275135	52.392	ug/l		100
61) 1,2-Dibromoethane	11.018	107	186575	52.230	ug/l		99
64) Tetrachloroethene	10.646	164	372099	51.752	ug/l		98
65) Chlorobenzene	11.444	112	768208	50.723	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	275973	51.134	ug/l		99
67) Ethyl Benzene	11.518	91	1278315	52.144	ug/l		100
68) m/p-Xylenes	11.627	106	1037707	105.533	ug/l		100
69) o-Xylene	11.957	106	479717	52.013	ug/l		99
70) Styrene	11.969	104	801488	52.844	ug/l		99
71) Bromoform	12.133	173	168928	50.460	ug/l	#	98
73) Isopropylbenzene	12.255	105	1245422	52.380	ug/l		100
74) N-amyl acetate	12.072	43	213212	49.925	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	193812	49.838	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	150310m	47.221	ug/l		
77) Bromobenzene	12.530	156	317747	50.268	ug/l		98
78) n-propylbenzene	12.597	91	1458866	53.022	ug/l		100
79) 2-Chlorotoluene	12.682	91	832200	51.650	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1020091	53.093	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	64795	49.916	ug/l		98
82) 4-Chlorotoluene	12.780	91	861031	51.889	ug/l		100
83) tert-Butylbenzene	12.999	119	923731	52.071	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1014495	52.908	ug/l		99
85) sec-Butylbenzene	13.176	105	1347428	52.950	ug/l		99
86) p-Isopropyltoluene	13.292	119	1150927	53.120	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	617114	50.135	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	603476	49.641	ug/l		99
89) n-Butylbenzene	13.615	91	991424	52.515	ug/l		99
90) Hexachloroethane	13.877	117	233963	50.206	ug/l		97
91) 1,2-Dichlorobenzene	13.658	146	545563	50.554	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30632	48.006	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	316225	47.003	ug/l		99
94) Hexachlorobutadiene	15.023	225	199957	47.679	ug/l		98
95) Naphthalene	15.145	128	499422	46.618	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	272296	46.727	ug/l		99

Sample Results: **VY023407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

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

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

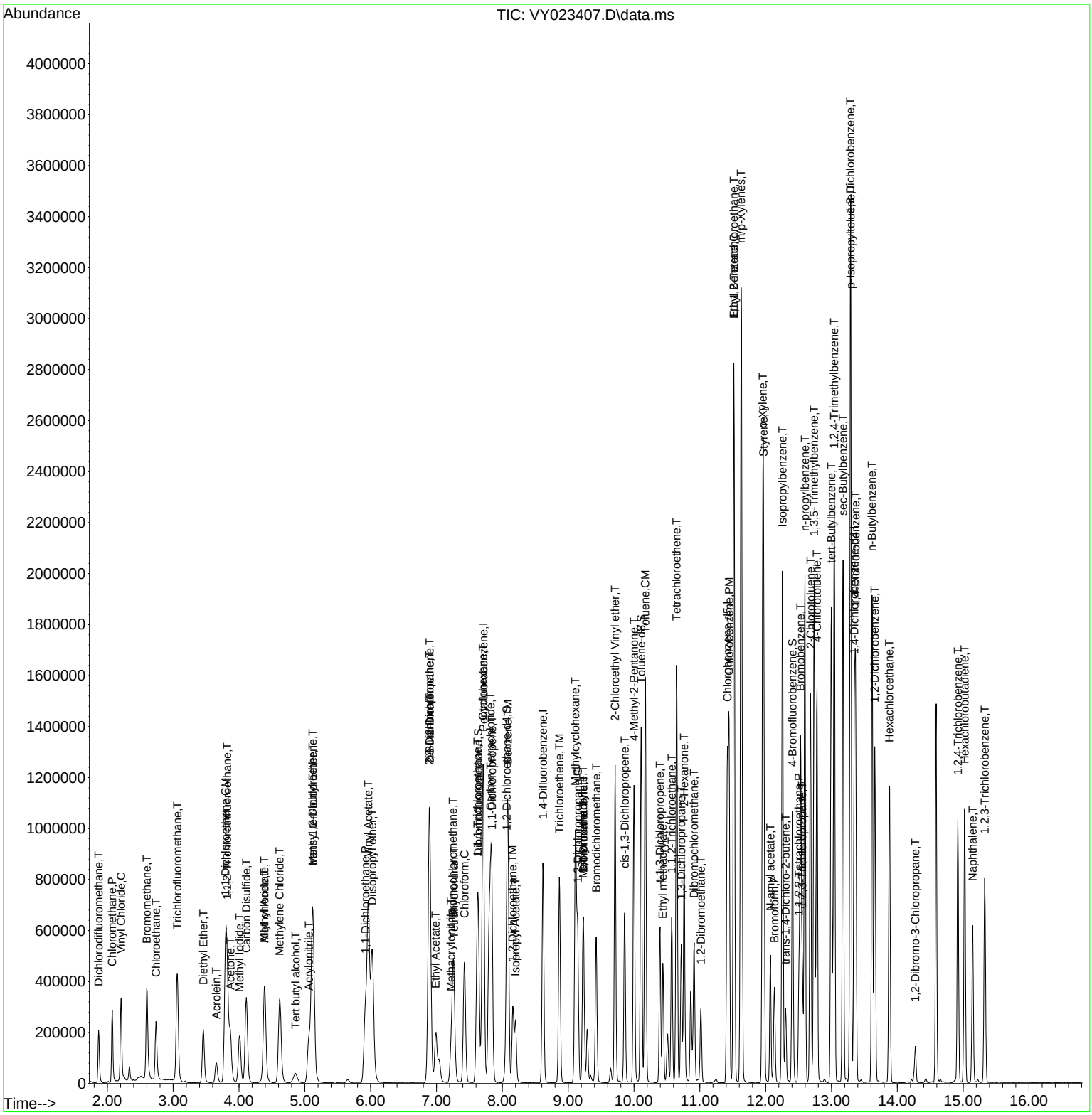
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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



Sample Results: **VY023407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	0.360	0.325	9.7	93	0.00
3	P	Chloromethane	0.490	0.457	6.7	93	0.00
4	C	Vinyl Chloride	0.639	0.603	5.6#	92	0.00
5	T	Bromomethane	0.536	0.486	9.3	95	0.00
6	T	Chloroethane	0.435	0.429	1.4	95	0.00
7	T	Trichlorofluoromethane	0.887	0.840	5.3	91	0.00
8	T	Diethyl Ether	0.232	0.222	4.3	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.460	0.464	-0.9	97	0.00
10	T	Methyl Iodide	0.512	0.560	-9.4	95	0.00
11	T	Tert butyl alcohol	0.031	0.027	12.9	98	0.00
12	CM	1,1-Dichloroethene	0.446	0.439	1.6#	94	0.00
13	T	Acrolein	0.044	0.035	20.5	76	0.00
14	T	Allyl chloride	0.544	0.536	1.5	93	0.00
15	T	Acrylonitrile	0.089	0.087	2.2	98	0.00
16	T	Acetone	0.100	0.108	-8.0	119	0.00
17	T	Carbon Disulfide	1.277	1.281	-0.3	96	0.00
18	T	Methyl Acetate	0.261	0.259	0.8	97	0.00
19	T	Methyl tert-butyl Ether	1.072	1.059	1.2	95	0.00
20	T	Methylene Chloride	0.538	0.497	7.6	99	0.00
21	T	trans-1,2-Dichloroethene	0.491	0.501	-2.0	98	0.01
22	T	Diisopropyl ether	1.202	1.224	-1.8	96	0.00
23	T	Vinyl Acetate	0.651	0.657	-0.9	96	0.00
24	P	1,1-Dichloroethane	0.796	0.803	-0.9	97	0.00
25	T	2-Butanone	0.122	0.121	0.8	105	0.00
26	T	2,2-Dichloropropane	0.731	0.746	-2.1	97	0.00
27	T	cis-1,2-Dichloroethene	0.567	0.579	-2.1	98	0.00
28	T	Bromochloromethane	0.297	0.276	7.1	95	0.00
29	T	Tetrahydrofuran	0.069	0.067	2.9	97	0.00
30	C	Chloroform	0.875	0.894	-2.2#	98	0.00
31	T	Cyclohexane	0.696	0.654	6.0	93	0.00
32	T	1,1,1-Trichloroethane	0.795	0.802	-0.9	96	0.00
33	S	1,2-Dichloroethane-d4	0.418	0.413	1.2	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35	S	Dibromofluoromethane	0.307	0.317	-3.3	96	0.00
36	T	1,1-Dichloropropene	0.407	0.426	-4.7	97	0.00
37	T	Ethyl Acetate	0.161	0.165	-2.5	99	0.00
38	T	Carbon Tetrachloride	0.493	0.516	-4.7	97	0.00
39	T	Methylcyclohexane	0.530	0.548	-3.4	94	0.00
40	TM	Benzene	1.288	1.342	-4.2	96	0.00
41	T	Methacrylonitrile	0.087	0.091	-4.6	103	0.00
42	TM	1,2-Dichloroethane	0.332	0.340	-2.4	97	0.00
43	T	Isopropyl Acetate	0.321	0.318	0.9	95	0.00
44	TM	Trichloroethene	0.377	0.386	-2.4	95	0.00
45	C	1,2-Dichloropropane	0.285	0.296	-3.9#	98	0.00
46	T	Dibromomethane	0.180	0.192	-6.7	100	0.00
47	T	Bromodichloromethane	0.453	0.475	-4.9	98	0.00
48	T	Methyl methacrylate	0.151	0.152	-0.7	93	0.00

Sample Results: **VY023407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	86	0.00
50	S	Toluene-d8	1.144	1.201	-5.0	96	0.00
51	T	4-Methyl-2-Pentanone	0.166	0.174	-4.8	99	0.00
52	CM	Toluene	0.836	0.894	-6.9#	97	0.00
53	T	t-1,3-Dichloropropene	0.394	0.411	-4.3	96	0.00
54	T	cis-1,3-Dichloropropene	0.465	0.487	-4.7	96	0.00
55	T	1,1,2-Trichloroethane	0.242	0.255	-5.4	100	0.00
56	T	Ethyl methacrylate	0.279	0.297	-6.5	96	0.00
57	T	1,3-Dichloropropane	0.383	0.403	-5.2	97	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.132	-5.6	92	0.00
59	T	2-Hexanone	0.119	0.126	-5.9	101	0.00
60	T	Dibromochloromethane	0.339	0.355	-4.7	98	0.00
61	T	1,2-Dibromoethane	0.231	0.241	-4.3	98	0.00
62	S	4-Bromofluorobenzene	0.378	0.383	-1.3	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.516	0.534	-3.5	95	0.00
65	PM	Chlorobenzene	1.087	1.103	-1.5	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.396	-2.1	99	0.00
67	C	Ethyl Benzene	1.760	1.836	-4.3#	96	0.00
68	T	m/p-Xylenes	0.706	0.745	-5.5	96	0.00
69	T	o-Xylene	0.662	0.689	-4.1	95	0.00
70	T	Styrene	1.089	1.151	-5.7	96	0.00
71	P	Bromoform	0.240	0.243	-1.3	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.295	3.452	-4.8	96	0.00
74	T	N-amyl acetate	0.592	0.591	0.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	0.539	0.537	0.4	99	0.00
76	T	1,2,3-Trichloropropane	0.441	0.417	5.4	89	0.00
77	T	Bromobenzene	0.876	0.881	-0.6	96	0.00
78	T	n-propylbenzene	3.813	4.044	-6.1	96	0.00
79	T	2-Chlorotoluene	2.233	2.307	-3.3	95	0.00
80	T	1,3,5-Trimethylbenzene	2.663	2.827	-6.2	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.180	0.180	0.0	98	0.00
82	T	4-Chlorotoluene	2.300	2.387	-3.8	96	0.00
83	T	tert-Butylbenzene	2.458	2.560	-4.1	93	0.00
84	T	1,2,4-Trimethylbenzene	2.657	2.812	-5.8	96	0.00
85	T	sec-Butylbenzene	3.527	3.735	-5.9	96	0.00
86	T	p-Isopropyltoluene	3.003	3.190	-6.2	95	0.00
87	T	1,3-Dichlorobenzene	1.706	1.710	-0.2	95	0.00
88	T	1,4-Dichlorobenzene	1.685	1.673	0.7	95	0.00
89	T	n-Butylbenzene	2.616	2.748	-5.0	94	0.00
90	T	Hexachloroethane	0.646	0.648	-0.3	95	0.00
91	T	1,2-Dichlorobenzene	1.496	1.512	-1.1	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.088	0.085	3.4	94	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.876	6.0	88	0.00
94	T	Hexachlorobutadiene	0.581	0.554	4.6	88	0.00
95	T	Naphthalene	1.485	1.384	6.8	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.808	0.755	6.6	88	0.00

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

Sample Results: **VY023407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	50.000	45.165	9.7	93	0.00
3	P	Chloromethane	50.000	46.626	6.7	93	0.00
4	C	Vinyl Chloride	50.000	47.203	5.6#	92	0.00
5	T	Bromomethane	50.000	45.352	9.3	95	0.00
6	T	Chloroethane	50.000	49.279	1.4	95	0.00
7	T	Trichlorofluoromethane	50.000	47.366	5.3	91	0.00
8	T	Diethyl Ether	50.000	47.924	4.2	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.377	-0.8	97	0.00
10	T	Methyl Iodide	50.000	54.708	-9.4	95	0.00
11	T	Tert butyl alcohol	250.000	214.498	14.2	98	0.00
12	CM	1,1-Dichloroethene	50.000	49.265	1.5#	94	0.00
13	T	Acrolein	250.000	197.974	20.8	76	0.00
14	T	Allyl chloride	50.000	49.309	1.4	93	0.00
15	T	Acrylonitrile	250.000	245.521	1.8	98	0.00
16	T	Acetone	250.000	272.492	-9.0	119	0.00
17	T	Carbon Disulfide	50.000	50.177	-0.4	96	0.00
18	T	Methyl Acetate	50.000	49.553	0.9	97	0.00
19	T	Methyl tert-butyl Ether	50.000	49.411	1.2	95	0.00
20	T	Methylene Chloride	50.000	46.200	7.6	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.043	-2.1	98	0.01
22	T	Diisopropyl ether	50.000	50.913	-1.8	96	0.00
23	T	Vinyl Acetate	250.000	252.202	-0.9	96	0.00
24	P	1,1-Dichloroethane	50.000	50.397	-0.8	97	0.00
25	T	2-Butanone	250.000	249.190	0.3	105	0.00
26	T	2,2-Dichloropropane	50.000	51.041	-2.1	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.065	-2.1	98	0.00
28	T	Bromochloromethane	50.000	46.377	7.2	95	0.00
29	T	Tetrahydrofuran	250.000	243.679	2.5	97	0.00
30	C	Chloroform	50.000	51.069	-2.1#	98	0.00
31	T	Cyclohexane	50.000	47.019	6.0	93	0.00
32	T	1,1,1-Trichloroethane	50.000	50.415	-0.8	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.431	1.1	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35	S	Dibromofluoromethane	50.000	51.511	-3.0	96	0.00
36	T	1,1-Dichloropropene	50.000	52.425	-4.8	97	0.00
37	T	Ethyl Acetate	50.000	51.143	-2.3	99	0.00
38	T	Carbon Tetrachloride	50.000	52.336	-4.7	97	0.00
39	T	Methylcyclohexane	50.000	51.695	-3.4	94	0.00
40	TM	Benzene	50.000	52.081	-4.2	96	0.00
41	T	Methacrylonitrile	50.000	52.260	-4.5	103	0.00
42	TM	1,2-Dichloroethane	50.000	51.228	-2.5	97	0.00
43	T	Isopropyl Acetate	50.000	49.451	1.1	95	0.00
44	TM	Trichloroethene	50.000	51.229	-2.5	95	0.00
45	C	1,2-Dichloropropane	50.000	52.011	-4.0#	98	0.00
46	T	Dibromomethane	50.000	53.275	-6.5	100	0.00
47	T	Bromodichloromethane	50.000	52.430	-4.9	98	0.00
48	T	Methyl methacrylate	50.000	50.315	-0.6	93	0.00

Sample Results: **VY023407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	903.627	9.6	86	0.00
50	S	Toluene-d8	50.000	52.497	-5.0	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.942	-4.8	99	0.00
52	CM	Toluene	50.000	53.439	-6.9#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	52.141	-4.3	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.320	-4.6	96	0.00
55	T	1,1,2-Trichloroethane	50.000	52.802	-5.6	100	0.00
56	T	Ethyl methacrylate	50.000	53.280	-6.6	96	0.00
57	T	1,3-Dichloropropane	50.000	52.603	-5.2	97	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	263.940	-5.6	92	0.00
59	T	2-Hexanone	250.000	264.747	-5.9	101	0.00
60	T	Dibromochloromethane	50.000	52.392	-4.8	98	0.00
61	T	1,2-Dibromoethane	50.000	52.230	-4.5	98	0.00
62	S	4-Bromofluorobenzene	50.000	50.706	-1.4	95	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	51.752	-3.5	95	0.00
65	PM	Chlorobenzene	50.000	50.723	-1.4	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.134	-2.3	99	0.00
67	C	Ethyl Benzene	50.000	52.144	-4.3#	96	0.00
68	T	m/p-Xylenes	100.000	105.533	-5.5	96	0.00
69	T	o-Xylene	50.000	52.013	-4.0	95	0.00
70	T	Styrene	50.000	52.844	-5.7	96	0.00
71	P	Bromoform	50.000	50.460	-0.9	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	52.380	-4.8	96	0.00
74	T	N-amyl acetate	50.000	49.925	0.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.838	0.3	99	0.00
76	T	1,2,3-Trichloropropane	50.000	47.221	5.6	89	0.00
77	T	Bromobenzene	50.000	50.268	-0.5	96	0.00
78	T	n-propylbenzene	50.000	53.022	-6.0	96	0.00
79	T	2-Chlorotoluene	50.000	51.650	-3.3	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.093	-6.2	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.916	0.2	98	0.00
82	T	4-Chlorotoluene	50.000	51.889	-3.8	96	0.00
83	T	tert-Butylbenzene	50.000	52.071	-4.1	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.908	-5.8	96	0.00
85	T	sec-Butylbenzene	50.000	52.950	-5.9	96	0.00
86	T	p-Isopropyltoluene	50.000	53.120	-6.2	95	0.00
87	T	1,3-Dichlorobenzene	50.000	50.135	-0.3	95	0.00
88	T	1,4-Dichlorobenzene	50.000	49.641	0.7	95	0.00
89	T	n-Butylbenzene	50.000	52.515	-5.0	94	0.00
90	T	Hexachloroethane	50.000	50.206	-0.4	95	0.00
91	T	1,2-Dichlorobenzene	50.000	50.554	-1.1	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.006	4.0	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.003	6.0	88	0.00
94	T	Hexachlorobutadiene	50.000	47.679	4.6	88	0.00
95	T	Naphthalene	50.000	46.618	6.8	87	0.00

Sample Results: **VY023407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.727	6.5	88	0.00

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

QC SAMPLE DATA

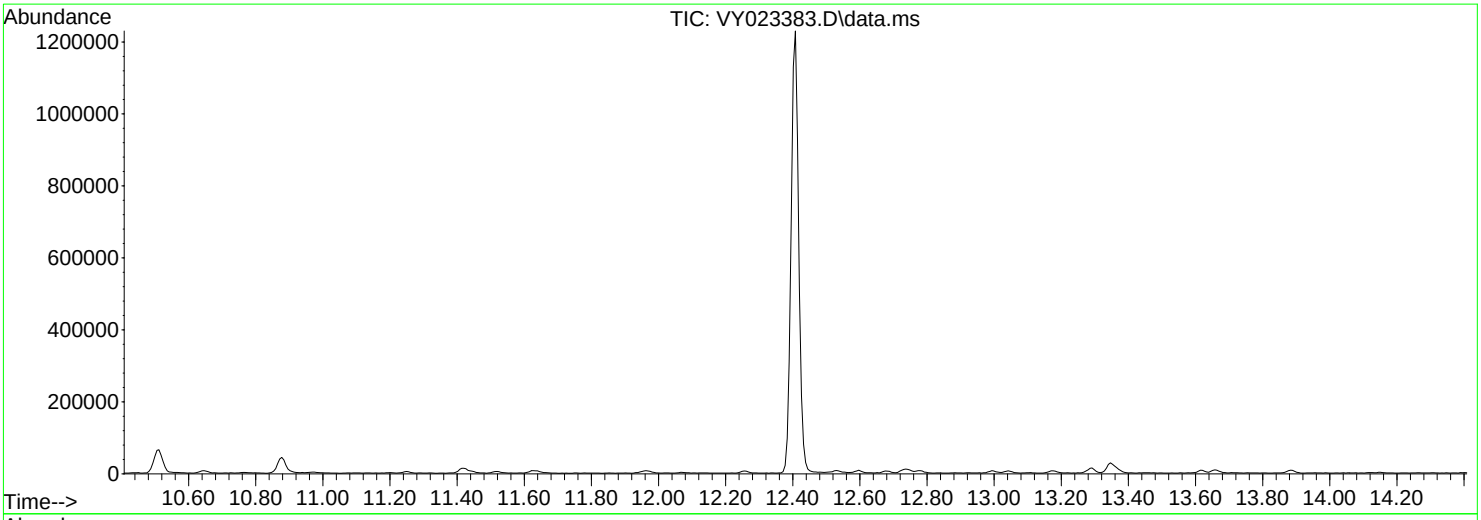
Sample Results: **VY023383.D**

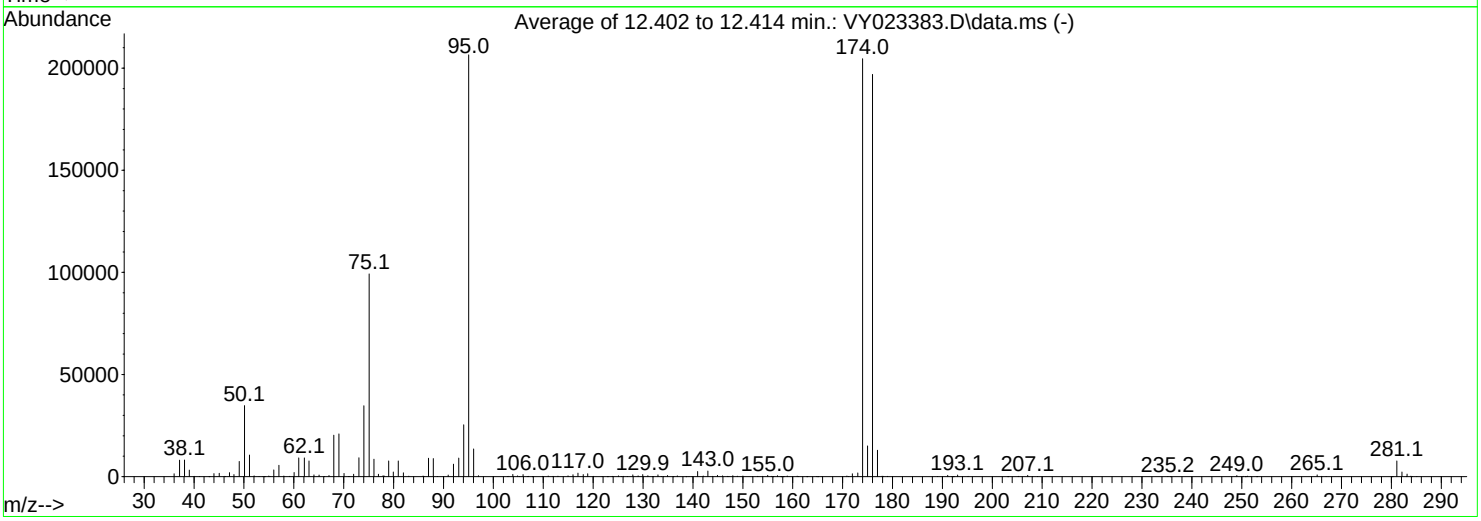
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023383.D
Acq On : 07 Oct 2025 08:43
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

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





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

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

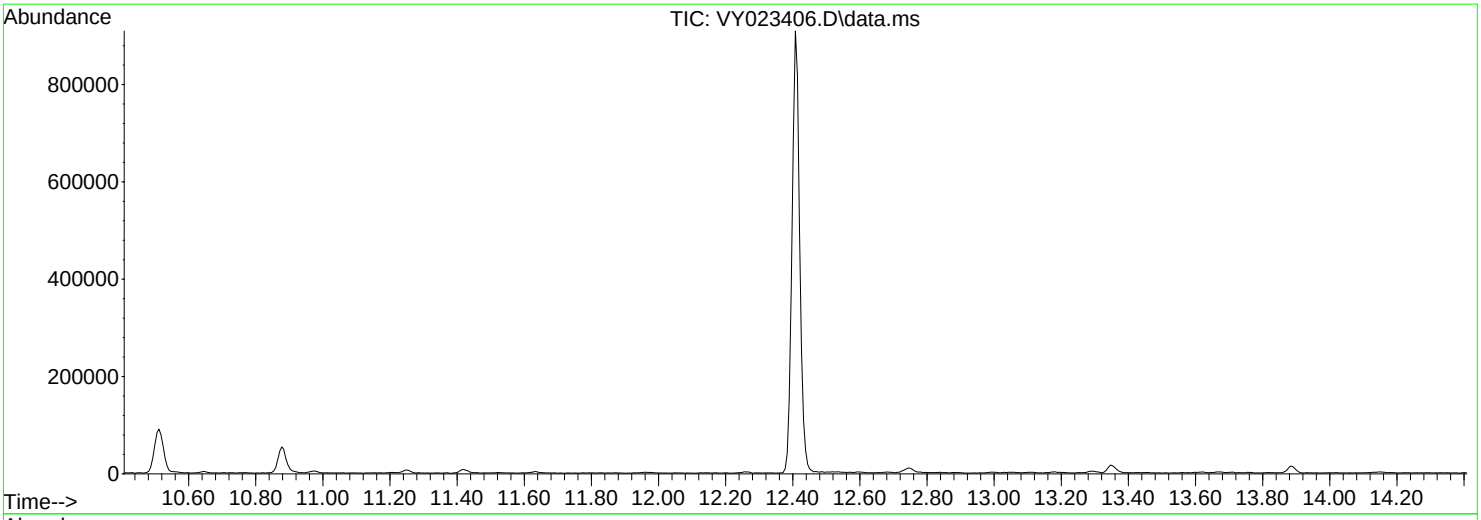
Sample Results: **VY023406.D**

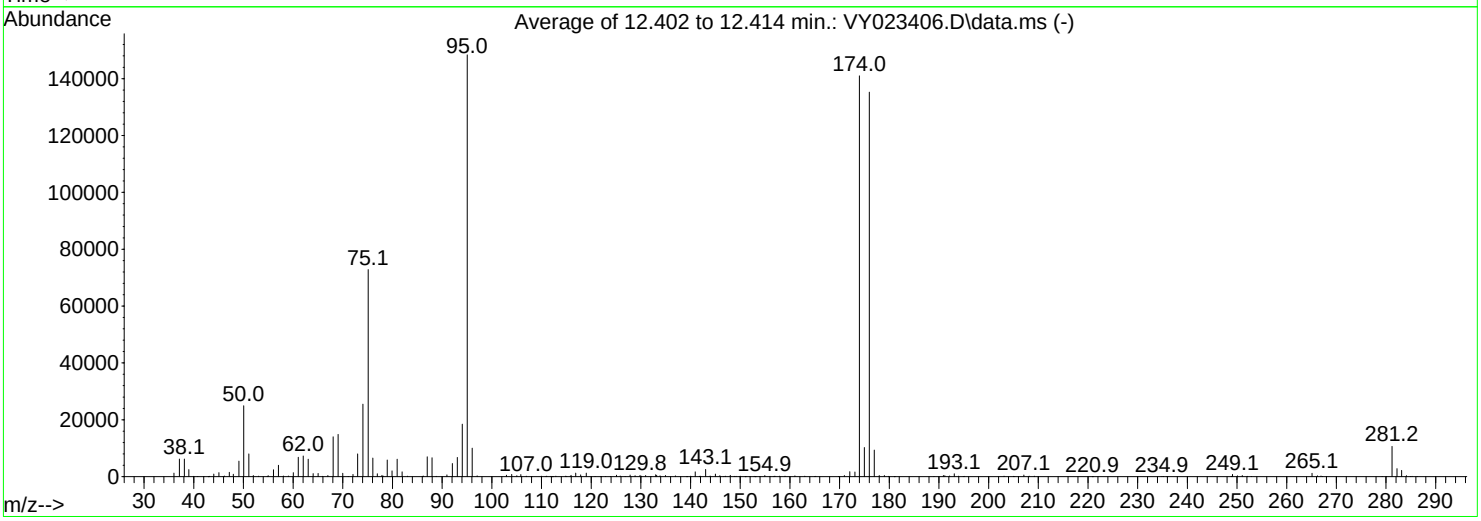
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023406.D
Acq On : 09 Oct 2025 08:16
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

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





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	24923	PASS
75	95	30	60	49.1	72837	PASS
95	95	100	100	100.0	148373	PASS
96	95	5	9	6.8	10026	PASS
173	174	0.00	2	1.1	1617	PASS
174	95	50	100	95.0	141019	PASS
175	174	5	9	7.3	10229	PASS
176	174	95	101	95.9	135248	PASS
177	176	5	9	6.9	9326	PASS

Raw Data: **VY023408.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	VY1009SBL01	SDG No.:	Q3310
Lab Sample ID:	VY1009SBL01	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
VY023408.D	1	10/09/25 09:16	VY100925

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

Raw Data: **VY023408.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	VY1009SBL01	SDG No.:	Q3310
Lab Sample ID:	VY1009SBL01	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
VY023408.D	1	10/09/25 09:16	VY100925

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	63.4		63 - 155	127%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		70 - 134	109%	SPK: 50
2037-26-5	Toluene-d8	52.1		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	587000	7.713			
540-36-3	1,4-Difluorobenzene	1150000	8.616			
3114-55-4	Chlorobenzene-d5	1110000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	467000	13.346			

Raw Data: **VY023408.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	VY1009SBL01	SDG No.:	Q3310
Lab Sample ID:	VY1009SBL01	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
VY023408.D	1	10/09/25 09:16	VY100925

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\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

Quant Time: Oct 10 04:20:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

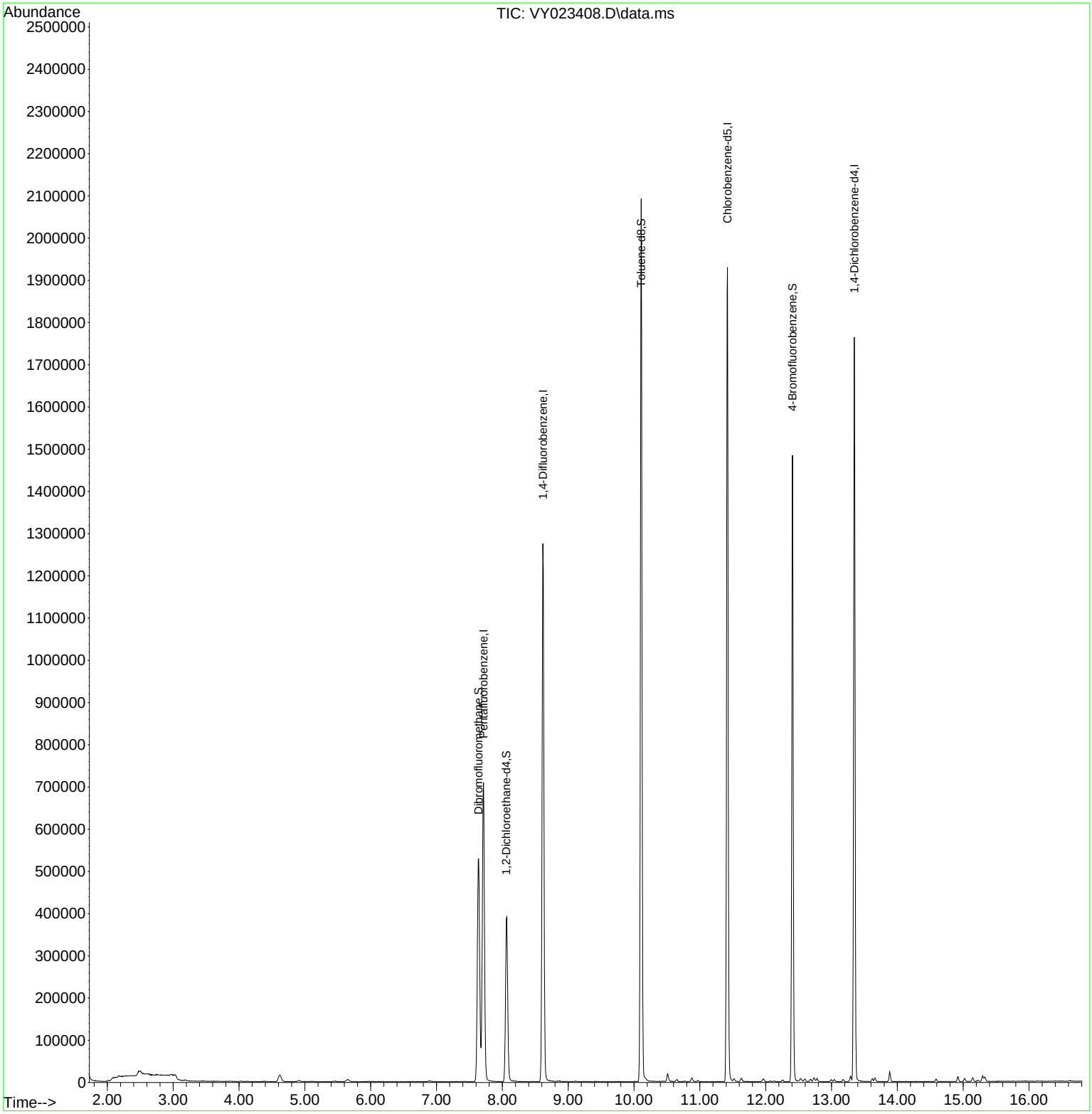
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	586622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1154324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1109408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	466996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	311166	63.433	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.860%			
35) Dibromofluoromethane	7.640	113	386252	54.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.920%			
50) Toluene-d8	10.109	98	1375923	52.090	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.180%			
62) 4-Bromofluorobenzene	12.408	95	434618	49.838	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.680%			
Target Compounds						Qvalue

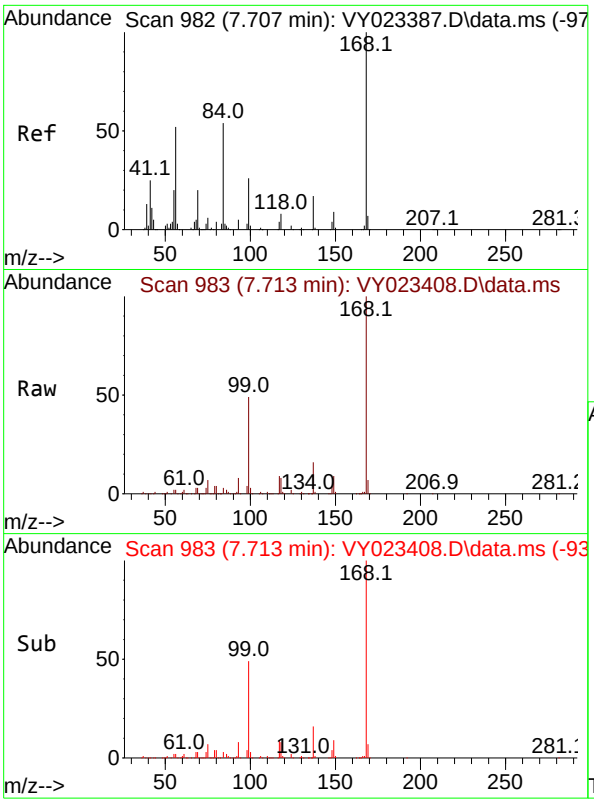
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

Quant Time: Oct 10 04:20:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



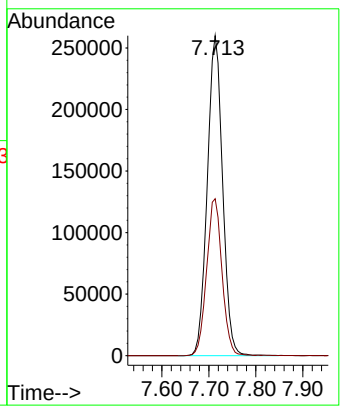


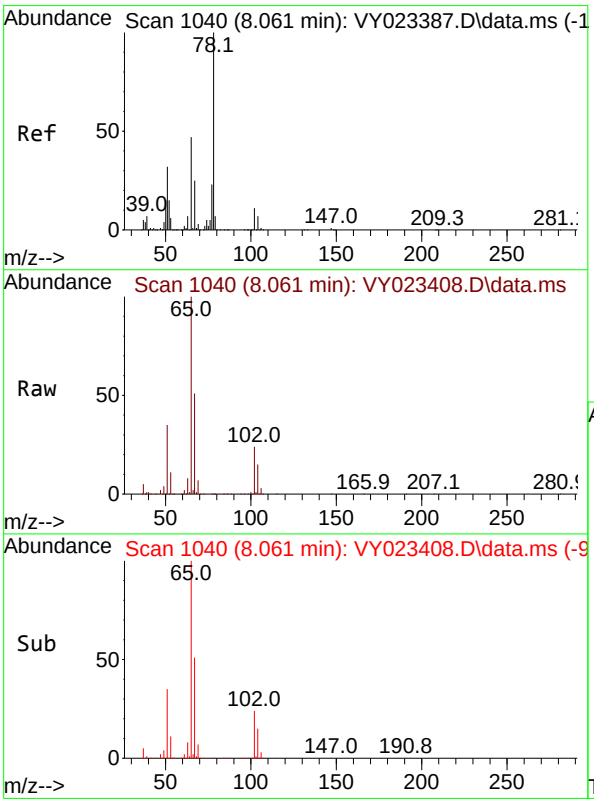
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023408.D
Acq: 09 Oct 2025 09:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

Tgt Ion:168 Resp: 586622

Ion	Ratio	Lower	Upper
168	100		
99	49.1	39.7	59.5

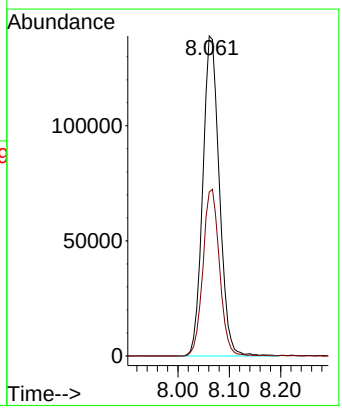


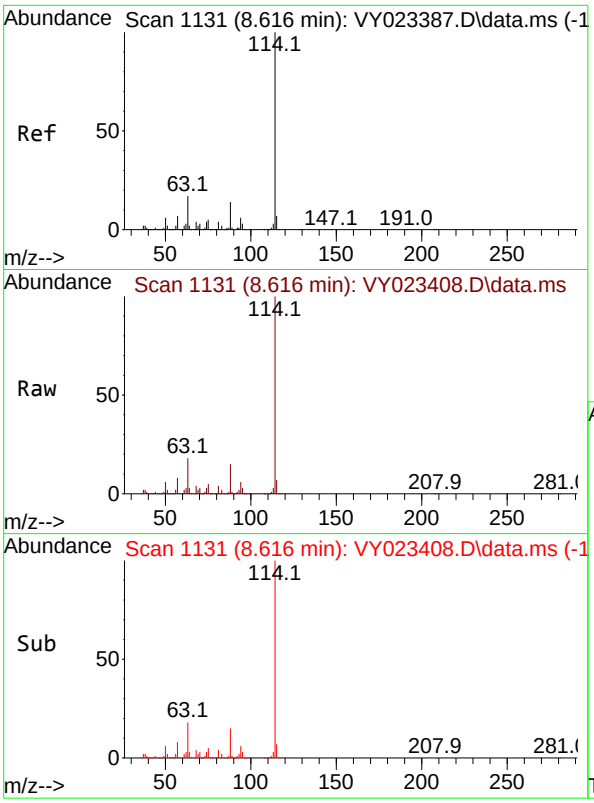


#33
1,2-Dichloroethane-d4
Concen: 63.433 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023408.D
Acq: 09 Oct 2025 09:16

Tgt Ion: 65 Resp: 311166

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	105.8



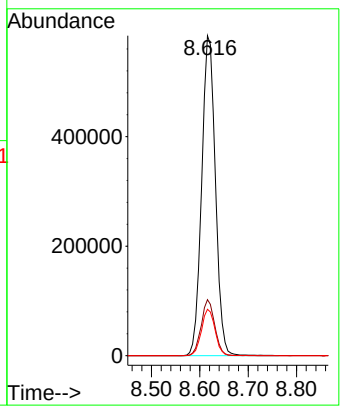


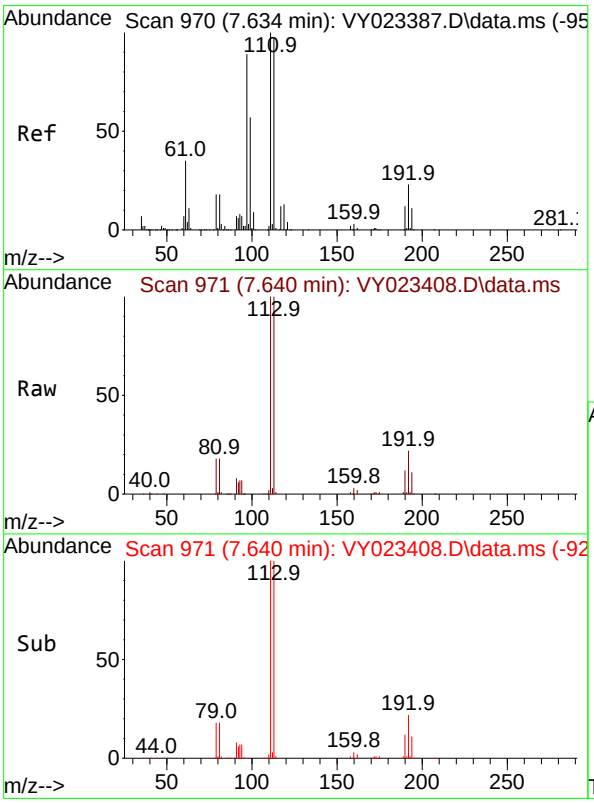
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023408.D
Acq: 09 Oct 2025 09:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

Tgt Ion:114 Resp: 1154324

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	34.2
88	14.5	0.0	28.4

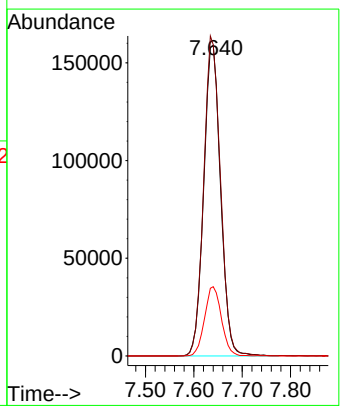


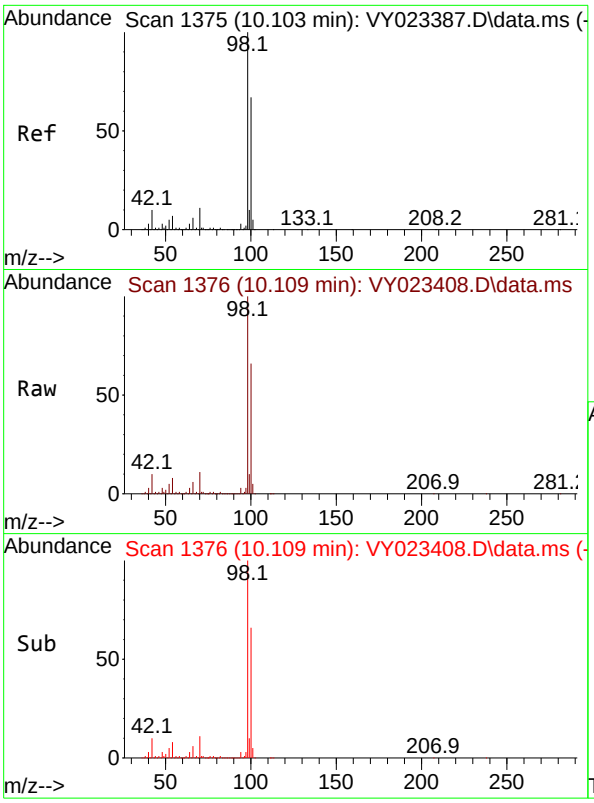


#35
Dibromofluoromethane
Concen: 54.457 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023408.D
Acq: 09 Oct 2025 09:16

Tgt Ion:113 Resp: 386252

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	22.2	18.0	27.0



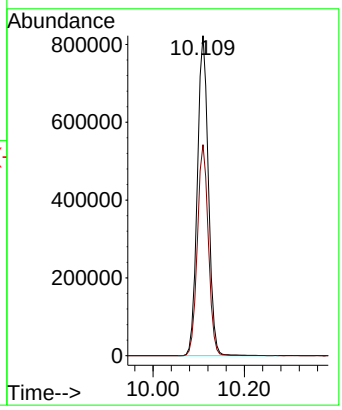


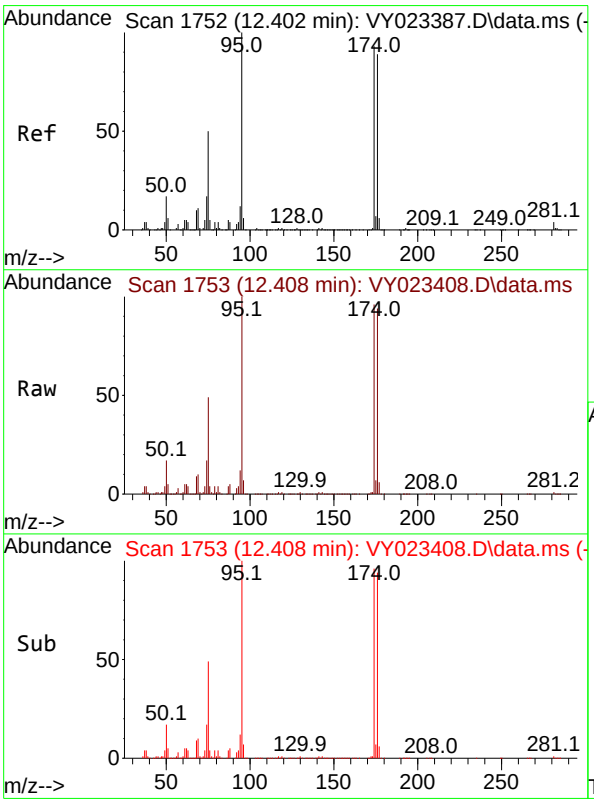
#50
Toluene-d8
Concen: 52.090 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023408.D
Acq: 09 Oct 2025 09:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

Tgt Ion: 98 Resp: 1375923

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4

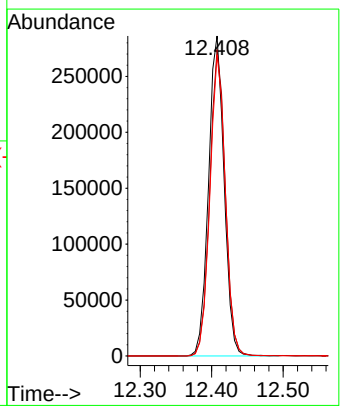


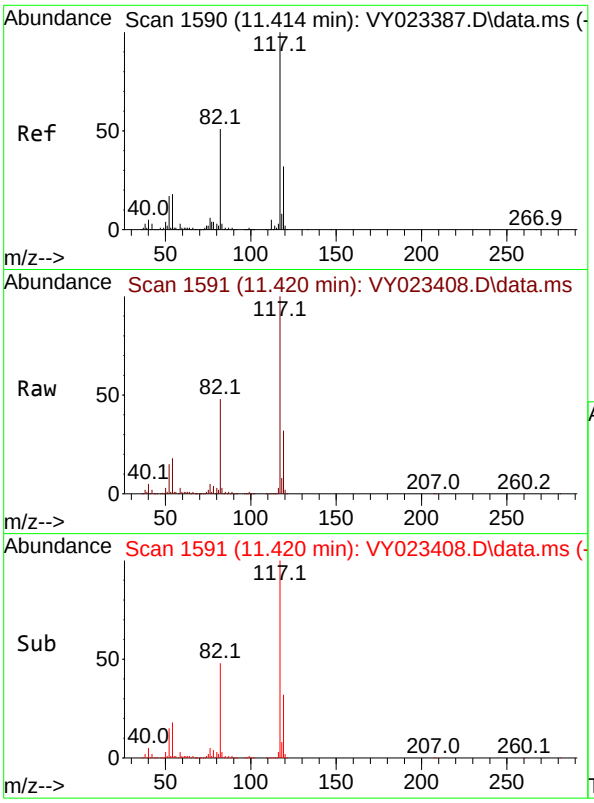


#62
4-Bromofluorobenzene
Concen: 49.838 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023408.D
Acq: 09 Oct 2025 09:16

Tgt Ion: 95 Resp: 434618

Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	192.8
176	92.8	0.0	187.6



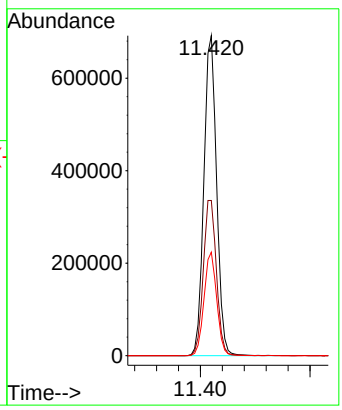


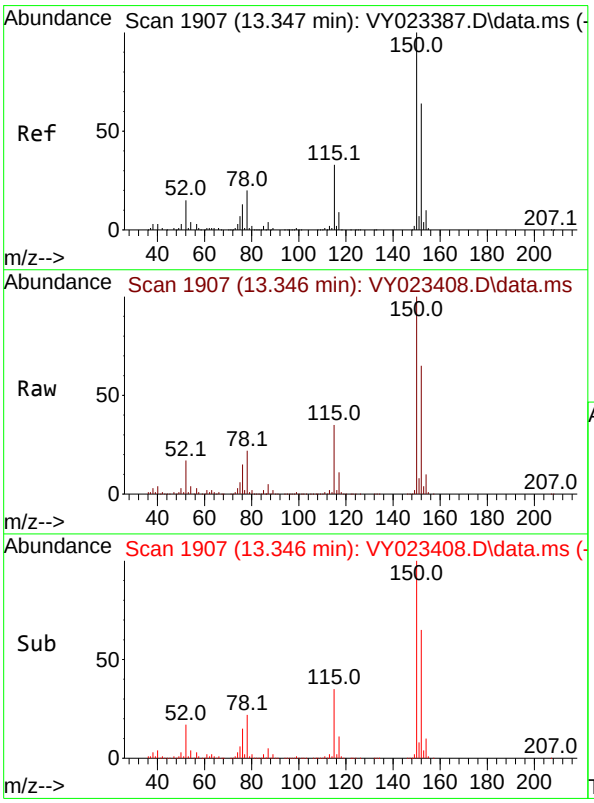
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023408.D
Acq: 09 Oct 2025 09:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

Tgt Ion:117 Resp: 1109408

Ion	Ratio	Lower	Upper
117	100		
82	48.5	41.0	61.4
119	32.3	25.6	38.4

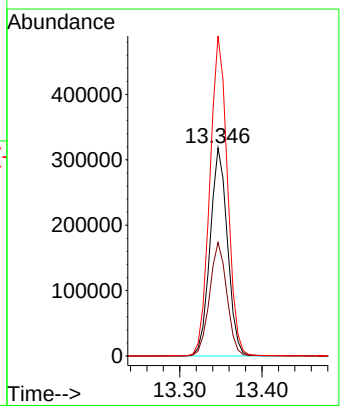




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023408.D
Acq: 09 Oct 2025 09:16

Tgt Ion:152 Resp: 466996

Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.1	81.2
150	156.1	0.0	347.4



Sample Results: **VY023408.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

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

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

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

Signal : TIC: VY023408.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	466	476	490	rVB3	15461	51428	1.46%	0.286%
2	7.634	955	970	977	rBV	528154	1302968	36.92%	7.248%
3	7.713	977	983	999	rVB	706456	1591410	45.10%	8.852%
4	8.067	1029	1041	1052	rBV	389901	881664	24.98%	4.904%
5	8.616	1122	1131	1147	rBV	1274475	2509008	71.10%	13.957%
6	10.109	1368	1376	1398	rBV	2091329	3528850	100.00%	19.630%
7	11.420	1583	1591	1604	rBV	1928223	3164824	89.68%	17.605%
8	12.408	1745	1753	1766	rBV	1484344	2286890	64.81%	12.721%
9	13.346	1901	1907	1921	rVB	1762087	2623641	74.35%	14.594%
10	13.883	1988	1995	2001	rVB	23512	36456	1.03%	0.203%

Sum of corrected areas: 17977139

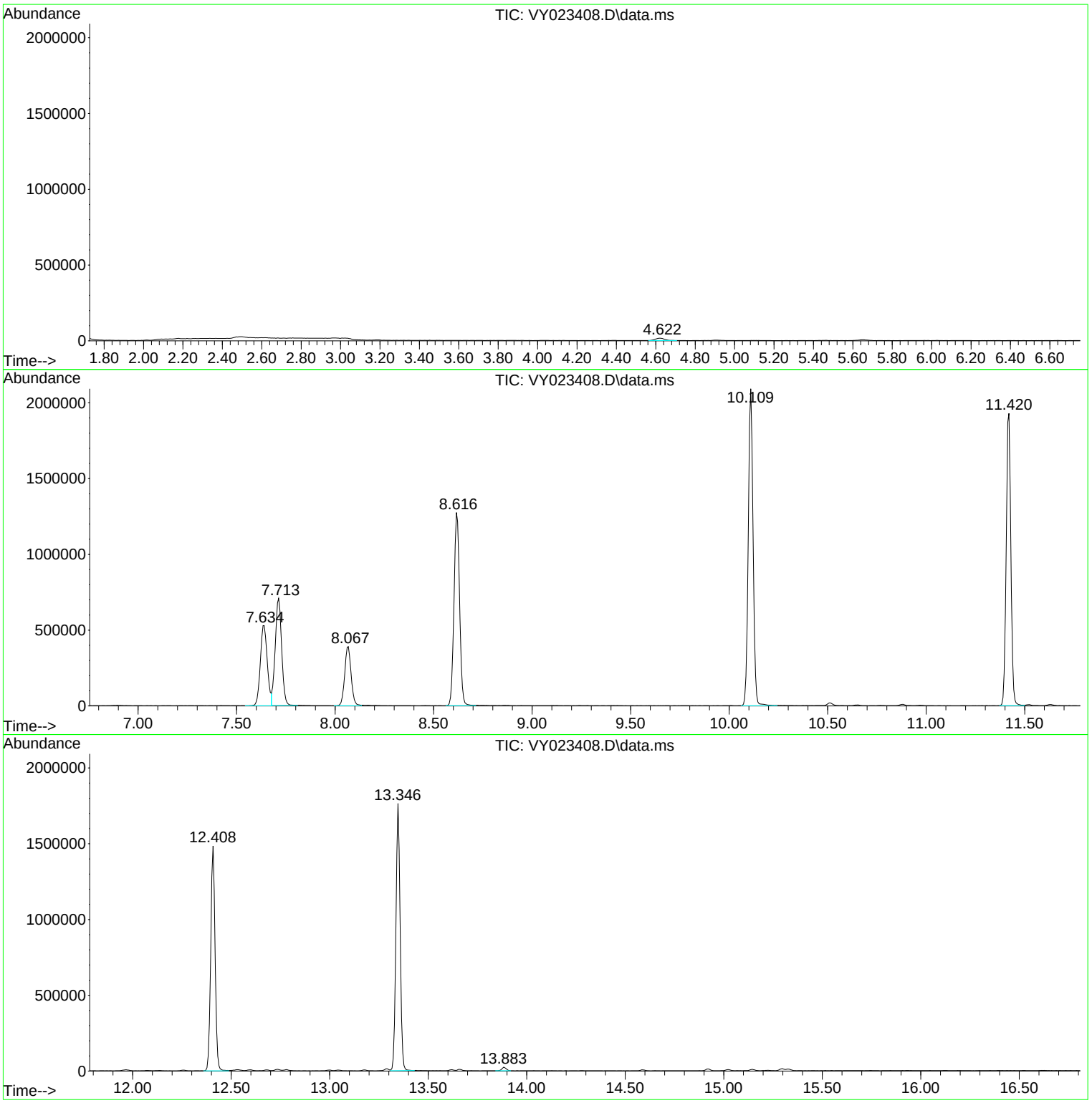
Sample Results: **VY023408.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

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

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



Library Search Compound Report

Sample Results: **VY023408.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

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

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

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

Raw Data: **VY023409.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	VY1009SBS01	SDG No.:	Q3310
Lab Sample ID:	VY1009SBS01	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
VY023409.D	1	10/09/25 09:45	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		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	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.6		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	16.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.8		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.6		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	91.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.4		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:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	VY1009SBS01	SDG No.:	Q3310
Lab Sample ID:	VY1009SBS01	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
VY023409.D	1	10/09/25 09:45	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.8		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.6		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	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.6		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.7		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.1		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.8		63 - 155	92%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	47.9		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		17 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	564000	7.713			
540-36-3	1,4-Difluorobenzene	822000	8.616			
3114-55-4	Chlorobenzene-d5	728000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	377000	13.346			

Raw Data: **VY023409.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	VY1009SBS01	SDG No.:	Q3310
Lab Sample ID:	VY1009SBS01	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
VY023409.D	1	10/09/25 09:45	VY100925

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\VY100925\
Data File : VY023409.D
Acq On : 09 Oct 2025 09:45
Operator : SY/MD
Sample : VY1009SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 04:21:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	563762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	821828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	727518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	376801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	215871	45.791	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.580%			
35) Dibromofluoromethane	7.640	113	241758	47.875	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.760%			
50) Toluene-d8	10.109	98	900230	47.870	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.740%			
62) 4-Bromofluorobenzene	12.408	95	285471	45.979	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	85749	21.131	ug/l	97
3) Chloromethane	2.074	50	108685	19.661	ug/l	100
4) Vinyl Chloride	2.208	62	140110	19.459	ug/l	100
5) Bromomethane	2.598	94	122336	20.247	ug/l	98
6) Chloroethane	2.739	64	100330	20.442	ug/l	99
7) Trichlorofluoromethane	3.062	101	196750	19.681	ug/l	99
8) Diethyl Ether	3.458	74	49795	19.062	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	108261	20.869	ug/l	99
10) Methyl Iodide	4.007	142	113175	19.597	ug/l	99
11) Tert butyl alcohol	4.866	59	33665	95.990	ug/l	95
12) 1,1-Dichloroethene	3.793	96	99731	19.832	ug/l	94
13) Acrolein	3.653	56	40278	81.277	ug/l	99
14) Allyl chloride	4.391	41	116410	18.994	ug/l	98
15) Acrylonitrile	5.061	53	90136	90.162	ug/l	99
16) Acetone	3.873	43	137624	122.625	ug/l	99
17) Carbon Disulfide	4.110	76	294532	20.463	ug/l	99
18) Methyl Acetate	4.385	43	47012	15.968	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	224998	18.616	ug/l	99
20) Methylene Chloride	4.616	84	113968	18.779	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	112414	20.304	ug/l	97
22) Diisopropyl ether	6.025	45	265422	19.579	ug/l	96
23) Vinyl Acetate	5.964	43	699897	95.380	ug/l	100
24) 1,1-Dichloroethane	5.921	63	182155	20.284	ug/l	97
25) 2-Butanone	6.896	43	145773	106.390	ug/l	97
26) 2,2-Dichloropropane	6.890	77	172493	20.933	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	126574	19.791	ug/l	99
28) Bromochloromethane	7.250	49	67024	19.993	ug/l	98
29) Tetrahydrofuran	7.268	42	67835	87.306	ug/l	97
30) Chloroform	7.427	83	199370	20.207	ug/l	99
31) Cyclohexane	7.707	56	154146	19.656	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	180303	20.109	ug/l	98
36) 1,1-Dichloropropene	7.835	75	138589	20.730	ug/l	98
37) Ethyl Acetate	6.994	43	51391	19.403	ug/l	98
38) Carbon Tetrachloride	7.817	117	167157	20.621	ug/l	100
39) Methylcyclohexane	9.109	83	174614	20.060	ug/l	96
40) Benzene	8.085	78	439932	20.779	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023409.D
Acq On : 09 Oct 2025 09:45
Operator : SY/MD
Sample : VY1009SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 04:21:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	24922	17.398	ug/l	#	90
42) 1,2-Dichloroethane	8.158	62	108207	19.817	ug/l		99
43) Isopropyl Acetate	8.201	43	96508	18.274	ug/l		100
44) Trichloroethene	8.866	130	125009	20.173	ug/l		99
45) 1,2-Dichloropropane	9.146	63	96247	20.582	ug/l		99
46) Dibromomethane	9.231	93	58388	19.746	ug/l		98
47) Bromodichloromethane	9.426	83	149191	20.033	ug/l		99
48) Methyl methacrylate	9.219	41	42780	17.242	ug/l		95
49) 1,4-Dioxane	9.231	88	12246	357.190	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	250333	91.743	ug/l		98
52) Toluene	10.170	92	280105	20.376	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	122023	18.844	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	149849	19.607	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	77705	19.541	ug/l		95
56) Ethyl methacrylate	10.445	69	80772	17.609	ug/l		99
57) 1,3-Dichloropropane	10.719	76	123698	19.631	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	182196	88.669	ug/l		99
59) 2-Hexanone	10.762	43	197074	101.063	ug/l		99
60) Dibromochloromethane	10.914	129	111195	19.945	ug/l		99
61) 1,2-Dibromoethane	11.018	107	73429	19.363	ug/l		99
64) Tetrachloroethene	10.646	164	145594	19.382	ug/l		96
65) Chlorobenzene	11.444	112	314016	19.845	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	111165	19.715	ug/l		99
67) Ethyl Benzene	11.518	91	509085	19.876	ug/l		99
68) m/p-Xylenes	11.627	106	410062	39.916	ug/l		99
69) o-Xylene	11.956	106	188687	19.581	ug/l		99
70) Styrene	11.969	104	311804	19.677	ug/l		99
71) Bromoform	12.133	173	64321	18.390	ug/l	#	100
73) Isopropylbenzene	12.255	105	493259	19.864	ug/l		100
74) N-amyl acetate	12.072	43	77131	17.293	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	78596	19.352	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	58029m	17.456	ug/l		
77) Bromobenzene	12.536	156	127908	19.376	ug/l		98
78) n-propylbenzene	12.597	91	580789	20.212	ug/l		100
79) 2-Chlorotoluene	12.682	91	335010	19.909	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	402952	20.082	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	24605	18.150	ug/l		99
82) 4-Chlorotoluene	12.779	91	347982	20.080	ug/l		100
83) tert-Butylbenzene	12.999	119	362790	19.582	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	403304	20.139	ug/l		99
85) sec-Butylbenzene	13.176	105	536485	20.186	ug/l		100
86) p-Isopropyltoluene	13.292	119	455784	20.143	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	250678	19.500	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	248075	19.539	ug/l		99
89) n-Butylbenzene	13.615	91	386693	19.613	ug/l		99
90) Hexachloroethane	13.877	117	97445	20.022	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	217274	19.278	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11766	17.656	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	122058	17.372	ug/l		100
94) Hexachlorobutadiene	15.023	225	83673	19.104	ug/l		100
95) Naphthalene	15.145	128	169222	15.125	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	104325	17.142	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023409.D
Acq On : 09 Oct 2025 09:45
Operator : SY/MD
Sample : VY1009SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 04:21:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Manual Integrations APPROVED

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

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\VY100925\
Data File : VY023409.D
Acq On : 09 Oct 2025 09:45
Operator : SY/MD
Sample : VY1009SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 04:21:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Manual Integrations APPROVED

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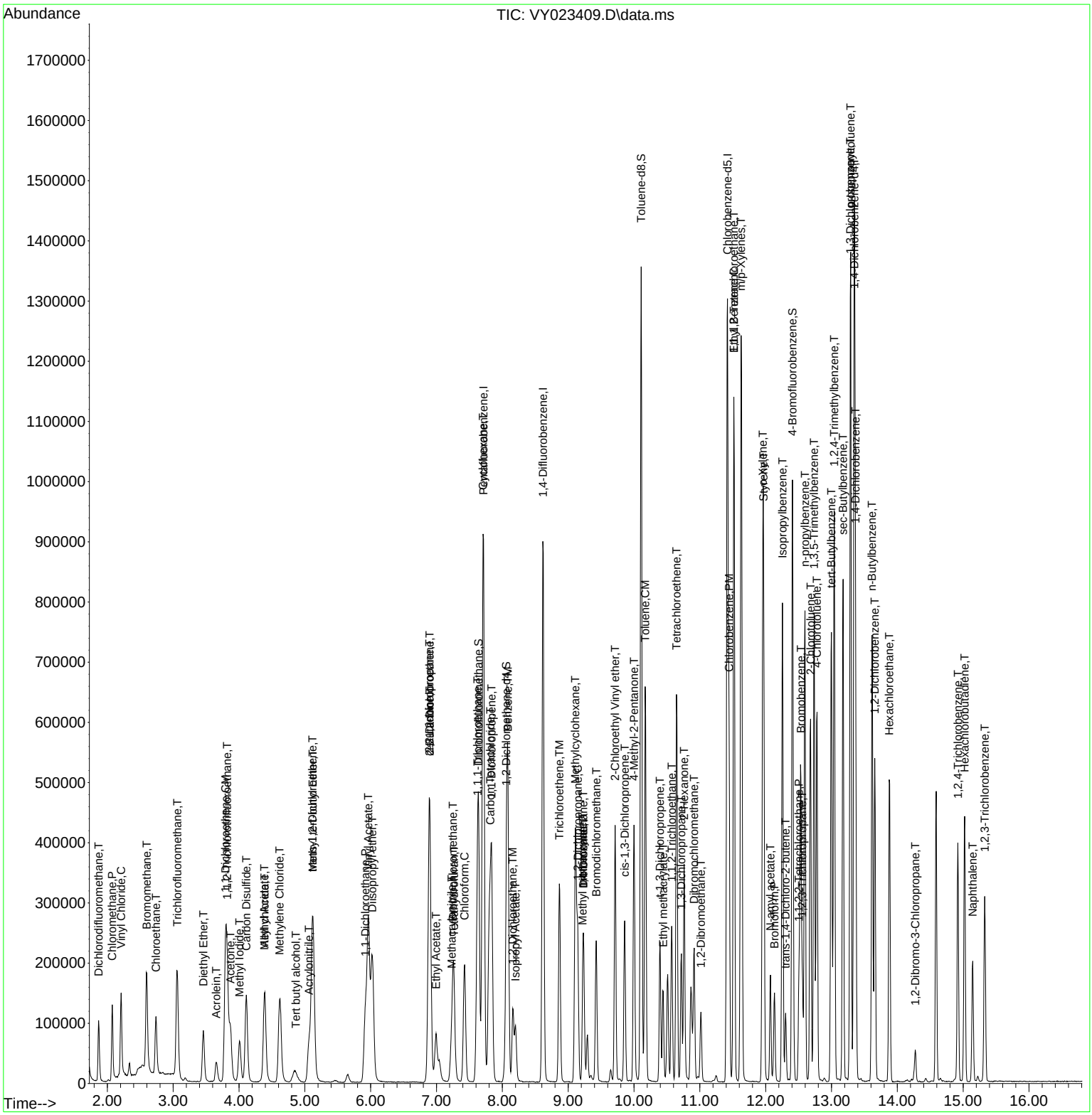

Raw Data: **VY023410.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	VY1009SBSD01	SDG No.:	Q3310
Lab Sample ID:	VY1009SBSD01	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
VY023410.D	1	10/09/25 10:08	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.4		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.6		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.1		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	16.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.4		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.1		0.91	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.1		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	94.8		3.60	25.0	ug/Kg
108-88-3	Toluene	21.4		0.78	5.00	ug/Kg

Raw Data: **VY023410.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	VY1009SBSD01	SDG No.:	Q3310
Lab Sample ID:	VY1009SBSD01	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
VY023410.D	1	10/09/25 10:08	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.8		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		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	19.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		17 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	548000	7.713			
540-36-3	1,4-Difluorobenzene	792000	8.615			
3114-55-4	Chlorobenzene-d5	697000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	360000	13.346			

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	VY1009SBSD01	SDG No.:	Q3310
Lab Sample ID:	VY1009SBSD01	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
VY023410.D	1	10/09/25 10:08	VY100925

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: **VY023410.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023410.D
Acq On : 09 Oct 2025 10:08
Operator : SY/MD
Sample : VY1009SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 04:22:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	547576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	791873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	696551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	359830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	215950	47.162	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.320%			
35) Dibromofluoromethane	7.640	113	240847	49.499	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.000%			
50) Toluene-d8	10.109	98	912325	50.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.700%			
62) 4-Bromofluorobenzene	12.407	95	285456	47.716	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	87549	22.213	ug/l	100
3) Chloromethane	2.074	50	110830	20.642	ug/l	100
4) Vinyl Chloride	2.208	62	142908	20.435	ug/l	99
5) Bromomethane	2.592	94	122755	20.917	ug/l	96
6) Chloroethane	2.738	64	100987	21.185	ug/l	100
7) Trichlorofluoromethane	3.062	101	198410	20.433	ug/l	97
8) Diethyl Ether	3.458	74	49360	19.454	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	107003	21.236	ug/l	99
10) Methyl Iodide	4.007	142	115949	20.670	ug/l	100
11) Tert butyl alcohol	4.860	59	34542	101.402	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	100792	20.635	ug/l	93
13) Acrolein	3.659	56	40485	84.109	ug/l	97
14) Allyl chloride	4.391	41	119653	20.100	ug/l	99
15) Acrylonitrile	5.061	53	91665	94.402	ug/l	100
16) Acetone	3.872	43	131313	120.460	ug/l	98
17) Carbon Disulfide	4.110	76	294633	21.075	ug/l	99
18) Methyl Acetate	4.397	43	46736	16.344	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	227743	19.400	ug/l	95
20) Methylene Chloride	4.622	84	113269	19.216	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	112932	21.000	ug/l	99
22) Diisopropyl ether	6.024	45	268741	20.409	ug/l	98
23) Vinyl Acetate	5.970	43	714408	100.236	ug/l	100
24) 1,1-Dichloroethane	5.921	63	181268	20.782	ug/l	98
25) 2-Butanone	6.896	43	142358	106.969	ug/l	98
26) 2,2-Dichloropropane	6.890	77	169519	21.181	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	128941	20.757	ug/l	98
28) Bromochloromethane	7.250	49	66685	20.480	ug/l	99
29) Tetrahydrofuran	7.268	42	70408	93.296	ug/l	98
30) Chloroform	7.427	83	200410	20.913	ug/l	95
31) Cyclohexane	7.707	56	154069	20.227	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	183274	21.045	ug/l	100
36) 1,1-Dichloropropene	7.835	75	138615	21.519	ug/l	99
37) Ethyl Acetate	6.982	43	51475	20.170	ug/l	98
38) Carbon Tetrachloride	7.823	117	166972	21.377	ug/l	99
39) Methylcyclohexane	9.109	83	177139	21.120	ug/l	96
40) Benzene	8.085	78	436426	21.393	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023410.D
Acq On : 09 Oct 2025 10:08
Operator : SY/MD
Sample : VY1009SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 04:22:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	25670	18.598	ug/l	#	71
42) 1,2-Dichloroethane	8.164	62	109045	20.726	ug/l		99
43) Isopropyl Acetate	8.201	43	97524	19.165	ug/l	#	85
44) Trichloroethene	8.865	130	126004	21.103	ug/l		98
45) 1,2-Dichloropropane	9.146	63	95951	21.294	ug/l		98
46) Dibromomethane	9.231	93	59353	20.831	ug/l		99
47) Bromodichloromethane	9.426	83	148955	20.758	ug/l		98
48) Methyl methacrylate	9.225	41	43089	18.024	ug/l		93
49) 1,4-Dioxane	9.231	88	12439	376.544	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	249347	94.838	ug/l		100
52) Toluene	10.170	92	284102	21.449	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	124152	19.898	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	153238	20.809	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	78245	20.422	ug/l		91
56) Ethyl methacrylate	10.438	69	83077	18.797	ug/l		99
57) 1,3-Dichloropropane	10.719	76	126624	20.856	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	185766	93.826	ug/l		99
59) 2-Hexanone	10.761	43	194921	103.740	ug/l		99
60) Dibromochloromethane	10.914	129	110073	20.491	ug/l		98
61) 1,2-Dibromoethane	11.017	107	73124	20.012	ug/l		98
64) Tetrachloroethene	10.646	164	156158	21.712	ug/l		99
65) Chlorobenzene	11.444	112	320704	21.169	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	112990	20.929	ug/l		98
67) Ethyl Benzene	11.517	91	511858	20.873	ug/l		100
68) m/p-Xylenes	11.627	106	416514	42.346	ug/l		98
69) o-Xylene	11.956	106	191098	20.713	ug/l		99
70) Styrene	11.969	104	314637	20.739	ug/l		99
71) Bromoform	12.133	173	65314	19.504	ug/l	#	100
73) Isopropylbenzene	12.255	105	499324	21.057	ug/l		99
74) N-amyl acetate	12.072	43	77981	18.309	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76498	19.724	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	57851m	18.223	ug/l		
77) Bromobenzene	12.529	156	130681	20.729	ug/l		99
78) n-propylbenzene	12.596	91	590757	21.528	ug/l		100
79) 2-Chlorotoluene	12.676	91	336924	20.967	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	407825	21.283	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	24664	19.051	ug/l		98
82) 4-Chlorotoluene	12.779	91	350046	21.151	ug/l		99
83) tert-Butylbenzene	12.999	119	370714	20.953	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	407038	21.285	ug/l		99
85) sec-Butylbenzene	13.176	105	546067	21.516	ug/l		99
86) p-Isopropyltoluene	13.291	119	459158	21.249	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	255893	20.845	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	250747	20.681	ug/l		98
89) n-Butylbenzene	13.615	91	390969	20.765	ug/l		99
90) Hexachloroethane	13.877	117	98225	21.134	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	221929	20.620	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12135	19.069	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	125048	18.637	ug/l		99
94) Hexachlorobutadiene	15.023	225	85691	20.487	ug/l		98
95) Naphthalene	15.145	128	175290	16.406	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	105694	18.186	ug/l		99

Sample Results: **VY023410.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023410.D
Acq On : 09 Oct 2025 10:08
Operator : SY/MD
Sample : VY1009SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 04:22:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01

Manual Integrations APPROVED

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

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

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

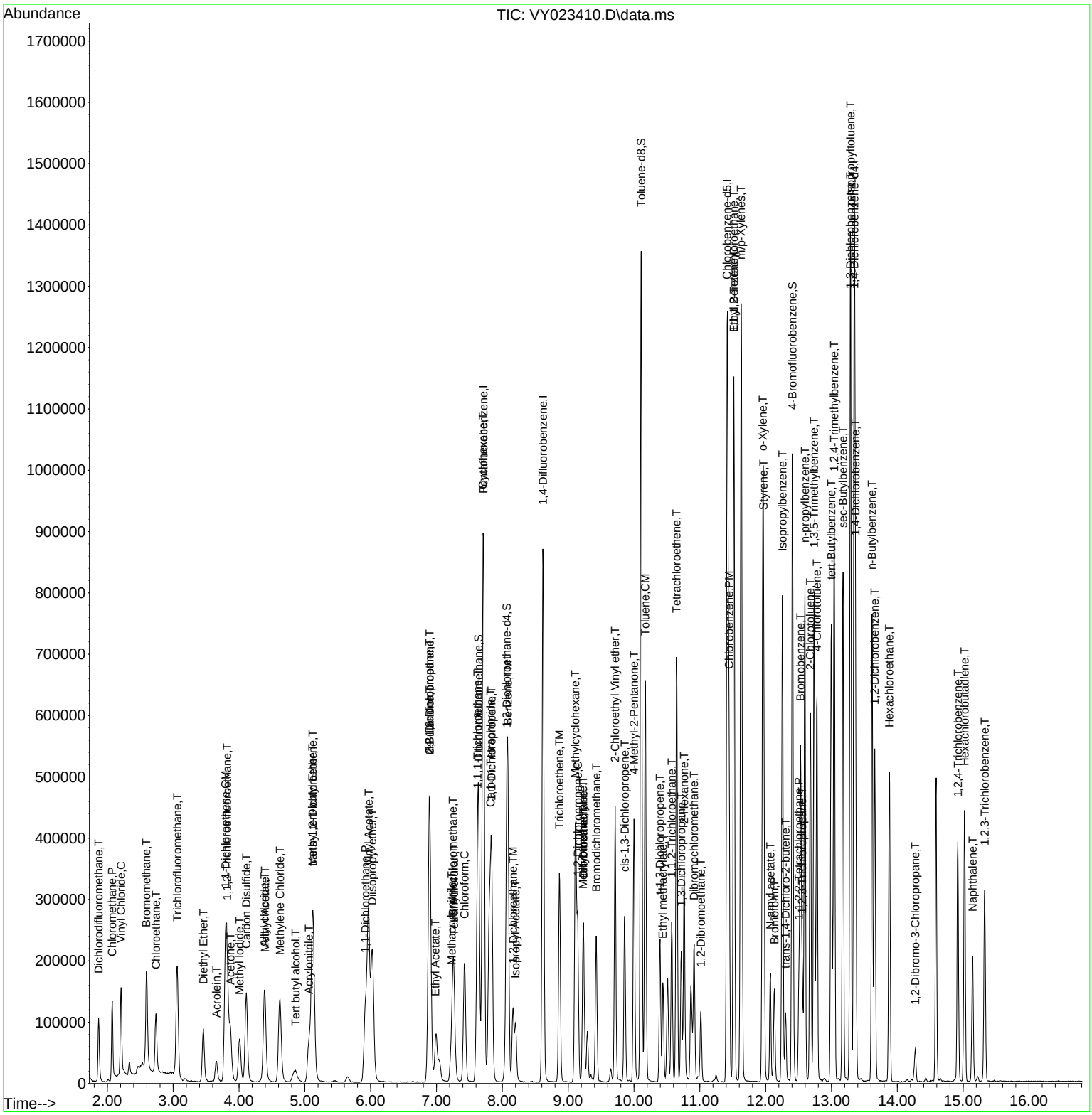
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023410.D
Acq On : 09 Oct 2025 10:08
Operator : SY/MD
Sample : VY1009SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 04:22:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01

Manual Integrations APPROVED

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



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

Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

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

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

Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

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

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

Manual Integration Report

Sequence:	VY100925	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023407.D	1,2,3-Trichloropropane	MMDadoda	10/10/2025 4:18:08 PM	Sam	10/10/2025 4:18:49 PM	Peak Integrated by Software
VY1009SBS01	VY023409.D	1,2,3-Trichloropropane	MMDadoda	10/10/2025 4:18:11 PM	Sam	10/10/2025 4:18:52 PM	Peak Integrated by Software
VY1009SBSD01	VY023410.D	1,2,3-Trichloropropane	MMDadoda	10/10/2025 4:18:12 PM	Sam	10/10/2025 4:18:54 PM	Peak Integrated by Software
VSTDCCC050	VY023422.D	1,2,3-Trichloropropane	MMDadoda	10/10/2025 4:18:17 PM	Sam	10/10/2025 4:18:47 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100725

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

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

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

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100925

Review By	Mahesh Dadoda	Review On	10/10/2025 4:18:26 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2025 4:19:06 PM				
SubDirectory	VY100925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135799
Initial Calibration Stds	
CCC	VP135800,VP135801
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	VY023406.D	09 Oct 2025 08:16	SY/MD	Ok
2	VSTDCCC050	VY023407.D	09 Oct 2025 08:47	SY/MD	Ok,M
3	VY1009SBL01	VY023408.D	09 Oct 2025 09:16	SY/MD	Ok
4	VY1009SBS01	VY023409.D	09 Oct 2025 09:45	SY/MD	Ok,M
5	VY1009SBSD01	VY023410.D	09 Oct 2025 10:08	SY/MD	Ok,M
6	Q3315-01	VY023411.D	09 Oct 2025 10:36	SY/MD	Dilution
7	Q3315-03	VY023412.D	09 Oct 2025 11:00	SY/MD	ReRun
8	Q3313-01	VY023413.D	09 Oct 2025 11:23	SY/MD	Not Ok
9	Q3318-01	VY023414.D	09 Oct 2025 11:47	SY/MD	Ok
10	Q3319-01	VY023415.D	09 Oct 2025 12:10	SY/MD	ReRun
11	Q3310-01	VY023416.D	09 Oct 2025 12:34	SY/MD	Ok
12	Q3310-02	VY023417.D	09 Oct 2025 12:57	SY/MD	Ok
13	Q3310-03	VY023418.D	09 Oct 2025 13:21	SY/MD	Ok
14	Q3321-01	VY023419.D	09 Oct 2025 13:44	SY/MD	Ok
15	Q3322-01	VY023420.D	09 Oct 2025 14:36	SY/MD	Ok
16	VIBLK	VY023421.D	09 Oct 2025 14:59	SY/MD	Ok
17	VSTDCCC050	VY023422.D	09 Oct 2025 15:22	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100725

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

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

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

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100925

Review By	Mahesh Dadoda	Review On	10/10/2025 4:18:26 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2025 4:19:06 PM		
SubDirectory	VY100925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135799
Initial Calibration Stds	
CCC	VP135800,VP135801
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	VY023406.D	09 Oct 2025 08:16		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023407.D	09 Oct 2025 08:47		SY/MD	Ok,M
3	VY1009SBL01	VY1009SBL01	VY023408.D	09 Oct 2025 09:16		SY/MD	Ok
4	VY1009SBS01	VY1009SBS01	VY023409.D	09 Oct 2025 09:45		SY/MD	Ok,M
5	VY1009SBSD01	VY1009SBSD01	VY023410.D	09 Oct 2025 10:08		SY/MD	Ok,M
6	Q3315-01	314	VY023411.D	09 Oct 2025 10:36	vial-A Internal Standard fail;Need MeOH	SY/MD	Dilution
7	Q3315-03	72-11989	VY023412.D	09 Oct 2025 11:00	vial-A E flag of previous sample	SY/MD	ReRun
8	Q3313-01	ETGI-360	VY023413.D	09 Oct 2025 11:23	vial-A Internal Standard fail;Confirm concentration	SY/MD	Not Ok
9	Q3318-01	VNJ-207	VY023414.D	09 Oct 2025 11:47	vial-A	SY/MD	Ok
10	Q3319-01	OK-01-100825	VY023415.D	09 Oct 2025 12:10	vial-A Internal Standard fail	SY/MD	ReRun
11	Q3310-01	SS-01-0-1	VY023416.D	09 Oct 2025 12:34	vial-A	SY/MD	Ok
12	Q3310-02	SS-01-1-2	VY023417.D	09 Oct 2025 12:57	vial-A	SY/MD	Ok
13	Q3310-03	SS-01-2-3	VY023418.D	09 Oct 2025 13:21	vial-A	SY/MD	Ok
14	Q3321-01	P001-DS-01	VY023419.D	09 Oct 2025 13:44	vial-A	SY/MD	Ok
15	Q3322-01	OR-02-100925	VY023420.D	09 Oct 2025 14:36	vial-A	SY/MD	Ok
16	VIBLK	VIBLK	VY023421.D	09 Oct 2025 14:59		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY023422.D	09 Oct 2025 15:22		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

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

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

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137480

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
Q3300-01	OIL	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3310-01	SS-01-0-1	2	1.15	10.03	11.18	7.7	65.3	
Q3310-02	SS-01-1-2	3	1.12	10.62	11.74	8.81	72.4	
Q3310-03	SS-01-2-3	4	1.16	10.56	11.72	9.09	75.1	
Q3321-01	P001-DS-01	5	1.16	10.56	11.72	9.44	78.4	
Q3322-01	OR-02-100925	6	1.11	10.33	11.44	10.72	93.0	
Q3322-02	OR-02-100925-E2	7	1.12	11.11	12.23	11.55	93.9	

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

WORKLIST(Hardcopy Internal Chain)

VM137480

WorkList Name : %1-100925 **WorkList ID :** 192359 **Department :** Wet-Chemistry **Date :** 10-09-2025 08:08:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3300-01	OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3310-01	SS-01-0-1	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-02	SS-01-1-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-03	SS-01-2-3	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3321-01	P001-DS-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/08/2025	Chemtech -SO
Q3322-01	OR-02-100925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO
Q3322-02	OR-02-100925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO

Date/Time 10/09/25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 10/09/25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q3310
COC Number 2045160

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: LANGAN
ADDRESS: 1 North Broadway
CITY White Plains STATE: NY ZIP: 10601
ATTENTION: Gregory Del Mastro
PHONE: 914-323-7414 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Richmond Terrace - Site 163
PROJECT NO.: 190134901 LOCATION:
PROJECT MANAGER: Gregory Del Mastro
e-mail: gdelmastro@langan.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: LANGAN PO#: 190134901
ADDRESS: SAME
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) ~~~ DAYS*
HARDCOPY (DATA PACKAGE): 21 DAYS*
EDD: ~~~ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOCs (8260)
2: SVOCs (8270)
3: TAL Metals (6010/7000)
4: PCBs (8082A)
5: Pesticides (8081B)
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
1.	SS-01_0-1	S		X	10/7	15:05	6	X	X	X	X	X					
2.	SS-01_1-2	S		X	10/7	15:20	6	X	X	X	X	X					
3.	SS-01_2-3	S		X	10/7	16:00	6	X	X	X	X	X					
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER ← Specify Preservatives

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/7/25 20:00	1. 10-8-25 1113
2.	DATE/TIME:	2.
3.	DATE/TIME: 1630 10-8-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

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 : Q3310 LANG01
Client Name : Langan Engineering and En
Client Contact : Gregory DelMastro
Invoice Name : Langan Engineering and En
Invoice Contact : Gregory DelMastro

Order Date : 10/8/2025 1:24:21 PM
Project Name : Con Edison Richmond Terr
Receive DateTime : 10/8/2025 ~~12:00:00~~ 16:30 AM
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3310-01	SS-01-0-1	Solid	10/07/2025	15:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3310-02	SS-01-1-2	Solid	10/07/2025	15:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3310-03	SS-01-2-3	Solid	10/07/2025	16:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 10/9/25 1150

Received By :
Date / Time : 10/09/25

Storage Area : **VOA Refridgerator Room**