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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:	Q3012	**OrderDate:**	9/3/2025 3:58:00 PM
Client:	Sciacca General Contractors, LLC	**Project:**	29-35 Frelinghuysen Ave, Newark
Contact:	Rosanne Scirica	**Location:**	J42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3012-02	**VOC**	**SOIL**			**09/03/25**			**09/03/25**
			VOC-TCLVOA-10	8260D			09/04/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3012

Client: Sciacca General Contractors, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								

0

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: Q3012

Client: Sciacca General Contractors, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3012-02	VOC	1,2-Dichloroethane-d4	50	59.3	119		63	155
		Dibromofluoromethane	50	58.0	116		70	134
		Toluene-d8	50	51.1	102		74	123
		4-Bromofluorobenzene	50	46.1	92		17	146
VY0904SBL01	VY0904SBL01	1,2-Dichloroethane-d4	50	54.6	109		63	155
		Dibromofluoromethane	50	54.8	110		70	134
		Toluene-d8	50	51.0	102		74	123
		4-Bromofluorobenzene	50	46.3	93		17	146
VY0904SBS01	VY0904SBS01	1,2-Dichloroethane-d4	50	48.6	97		63	155
		Dibromofluoromethane	50	53.0	106		70	134
		Toluene-d8	50	51.9	104		74	123
		4-Bromofluorobenzene	50	51.5	103		17	146
VY0904SBSD01	VY0904SBSD01	1,2-Dichloroethane-d4	50	45.7	91		63	155
		Dibromofluoromethane	50	50.3	101		70	134
		Toluene-d8	50	48.5	97		74	123
		4-Bromofluorobenzene	50	48.3	97		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3012 **Analytical Method:** SW8260D

Client: Sciacca General Contractors, LLC **Datafile :** VY023280.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0904SBS01	Dichlorodifluoromethane	20	20.2	ug/Kg	101			64	136	
	Chloromethane	20	19.0	ug/Kg	95			52	151	
	Vinyl chloride	20	19.1	ug/Kg	96			56	148	
	Bromomethane	20	22.1	ug/Kg	111			58	141	
	Chloroethane	20	20.3	ug/Kg	102			69	130	
	Trichlorofluoromethane	20	20.0	ug/Kg	100			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	20.1	ug/Kg	101			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	19.3	ug/Kg	97			59	130	
	Methyl tert-butyl Ether	20	19.3	ug/Kg	97			77	129	
	Methyl Acetate	20	18.0	ug/Kg	90			69	149	
	Methylene Chloride	20	21.2	ug/Kg	106			72	131	
	trans-1,2-Dichloroethene	20	20.8	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	20.2	ug/Kg	101			82	123	
	Cyclohexane	20	17.4	ug/Kg	87			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.4	ug/Kg	107			76	129	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			82	123	
	Bromochloromethane	20	20.2	ug/Kg	101			80	127	
	Chloroform	20	21.2	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			80	126	
	Methylcyclohexane	20	18.9	ug/Kg	95			77	123	
	Benzene	20	21.1	ug/Kg	106			84	121	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			81	126	
	Trichloroethene	20	22.3	ug/Kg	112			83	122	
	1,2-Dichloropropane	20	21.3	ug/Kg	106			83	122	
	Bromodichloromethane	20	21.9	ug/Kg	110			82	123	
	4-Methyl-2-Pentanone	100	96.9	ug/Kg	97			70	135	
	Toluene	20	21.5	ug/Kg	108			83	122	
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	22.2	ug/Kg	111			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	22.9	ug/Kg	115			79	125	
	1,2-Dibromoethane	20	22.0	ug/Kg	110			80	125	
	Tetrachloroethene	20	24.2	ug/Kg	121			83	125	
	Chlorobenzene	20	21.7	ug/Kg	109			84	122	
	Ethyl Benzene	20	20.3	ug/Kg	102			82	124	
	m/p-Xylenes	40	42.0	ug/Kg	105			83	124	
	o-Xylene	20	20.5	ug/Kg	103			83	123	
	Styrene	20	21.2	ug/Kg	106			82	124	
	Bromoform	20	22.8	ug/Kg	114			75	127	
	Isopropylbenzene	20	19.2	ug/Kg	96			82	124	
	1,1,2,2-Tetrachloroethane	20	19.0	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	21.2	ug/Kg	106			83	122	
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105			84	121	
	1,2-Dichlorobenzene	20	21.2	ug/Kg	106			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3012**	**Analytical Method:**	**SW8260D**
Client:	**Sciacca General Contractors, LLC**	**Datafile :**	VY023280.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0904SBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			66	134	
	1,2,4-Trichlorobenzene	20	20.6	ug/Kg	103			78	127	
	1,2,3-Trichlorobenzene	20	20.7	ug/Kg	104			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3012 **Analytical Method:** SW8260D

Client: Sciacca General Contractors, LLC **Datafile :** VY023281.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0904SBSD01	Dichlorodifluoromethane	20	19.5	ug/Kg	98	3		64	136	20
	Chloromethane	20	18.5	ug/Kg	93	2		52	151	20
	Vinyl chloride	20	18.8	ug/Kg	94	2		56	148	20
	Bromomethane	20	21.5	ug/Kg	108	3		58	141	20
	Chloroethane	20	19.2	ug/Kg	96	6		69	130	20
	Trichlorofluoromethane	20	19.2	ug/Kg	96	4		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/Kg	103	3		81	123	20
	1,1-Dichloroethene	20	19.5	ug/Kg	98	3		79	121	20
	Acetone	100	120	ug/Kg	120	8		40	171	20
	Carbon disulfide	20	18.6	ug/Kg	93	4		59	130	20
	Methyl tert-butyl Ether	20	18.9	ug/Kg	95	2		77	129	20
	Methyl Acetate	20	17.9	ug/Kg	90	0		69	149	20
	Methylene Chloride	20	19.4	ug/Kg	97	9		72	131	20
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99	5		80	123	20
	1,1-Dichloroethane	20	19.1	ug/Kg	96	5		82	123	20
	Cyclohexane	20	16.9	ug/Kg	85	2		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	20.9	ug/Kg	104	3		76	129	20
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99	4		82	123	20
	Bromochloromethane	20	19.6	ug/Kg	98	3		80	127	20
	Chloroform	20	20.3	ug/Kg	102	4		82	125	20
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101	5		80	126	20
	Methylcyclohexane	20	18.6	ug/Kg	93	2		77	123	20
	Benzene	20	20.4	ug/Kg	102	4		84	121	20
	1,2-Dichloroethane	20	20.2	ug/Kg	101	3		81	126	20
	Trichloroethene	20	21.7	ug/Kg	109	3		83	122	20
	1,2-Dichloropropane	20	20.4	ug/Kg	102	4		83	122	20
	Bromodichloromethane	20	21.2	ug/Kg	106	4		82	123	20
	4-Methyl-2-Pentanone	100	96.1	ug/Kg	96	1		70	135	20
	Toluene	20	20.7	ug/Kg	104	4		83	122	20
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99	3		78	124	20
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100	4		81	122	20
	1,1,2-Trichloroethane	20	21.8	ug/Kg	109	2		82	125	20
	2-Hexanone	100	100	ug/Kg	100	0		66	138	20
	Dibromochloromethane	20	21.9	ug/Kg	110	4		79	125	20
	1,2-Dibromoethane	20	21.4	ug/Kg	107	3		80	125	20
	Tetrachloroethene	20	23.4	ug/Kg	117	3		83	125	20
	Chlorobenzene	20	20.9	ug/Kg	104	5		84	122	20
	Ethyl Benzene	20	19.6	ug/Kg	98	4		82	124	20
	m/p-Xylenes	40	40.8	ug/Kg	102	3		83	124	20
	o-Xylene	20	20.2	ug/Kg	101	2		83	123	20
	Styrene	20	20.5	ug/Kg	103	3		82	124	20
	Bromoform	20	22.6	ug/Kg	113	1		75	127	20
	Isopropylbenzene	20	19.0	ug/Kg	95	1		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.4	ug/Kg	97	2		77	127	20
	1,3-Dichlorobenzene	20	20.9	ug/Kg	104	2		83	122	20
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103	2		84	121	20
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	2		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3012 **Analytical Method:** SW8260D

Client: Sciacca General Contractors, LLC **Datafile :** VY023281.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0904SBSD01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98	1		66	134	20
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102	1		78	127	20
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105	1		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0904SBL01

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG NO.: Q3012

Lab File ID: VY023279.D Lab Sample ID: VY0904SBL01

Date Analyzed: 09/04/2025 Time Analyzed: 09:31

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
VY0904SBS01	VY0904SBS01	VY023280.D	09/04/2025
VY0904SBSD01	VY0904SBSD01	VY023281.D	09/04/2025
VOC	Q3012-02	VY023284.D	09/04/2025

COMMENTS:

Raw Data: **VY023048.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: SCIA01
Lab Code: ACE
SDG NO.: Q3012
Lab File ID: VY023048.D
BFB Injection Date: 08/12/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 08:26
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	51.9
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	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	83.2
175	5.0 - 9.0% of mass 174	6.3 (7.6) 1
176	95.0 - 101.0% of mass 174	80.9 (97.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.4) 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	VY023050.D	08/12/2025	14:54
VSTDICC010	VSTDICC010	VY023051.D	08/12/2025	15:17
VSTDICC020	VSTDICC020	VY023052.D	08/12/2025	15:40
VSTDICCC050	VSTDICCC050	VY023053.D	08/12/2025	16:02
VSTDICC100	VSTDICC100	VY023054.D	08/12/2025	16:25
VSTDICC150	VSTDICC150	VY023055.D	08/12/2025	16:47

Raw Data: **VY023277.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: SCIA01
Lab Code: ACE
SDG NO.: Q3012
Lab File ID: VY023277.D
BFB Injection Date: 09/04/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 08:26
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.3 (1.4) 1
174	50.0 - 100.0% of mass 95	91.8
175	5.0 - 9.0% of mass 174	6.8 (7.4) 1
176	95.0 - 101.0% of mass 174	87.8 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.1) 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	VY023278.D	09/04/2025	08:56
VY0904SBL01	VY0904SBL01	VY023279.D	09/04/2025	09:31
VY0904SBS01	VY0904SBS01	VY023280.D	09/04/2025	10:03
VY0904SBSD01	VY0904SBSD01	VY023281.D	09/04/2025	10:26
VOC	Q3012-02	VY023284.D	09/04/2025	13:09

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG NO.: Q3012

Lab File ID: VY023278.D Date Analyzed: 09/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:56

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	483459	7.71	713989	8.62	643958	11.42
UPPER LIMIT	966918	8.213	1427980	9.116	1287920	11.92
LOWER LIMIT	241730	7.213	356995	8.116	321979	10.92
EPA SAMPLE NO.						
VOC	342442	7.71	619490	8.62	569990	11.41
VY0904SBL01	597742	7.71	1129657	8.62	1027478	11.42
VY0904SBS01	464615	7.71	719782	8.62	635502	11.42
VY0904SBSD01	470601	7.71	724560	8.62	642177	11.42

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: SCIA01

Lab Code: ACE SDG NO.: Q3012

Lab File ID: VY023278.D Date Analyzed: 09/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:56

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

	IS4 AREA #	RT #				
12 HOUR STD	332706	13.346				
UPPER LIMIT	665412	13.846				
LOWER LIMIT	166353	12.846				
EPA SAMPLE NO.						
VOC	226771	13.35				
VY0904SBL01	414652	13.35				
VY0904SBS01	337206	13.35				
VY0904SBSD01	334491	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: **VY023284.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	VOC	SDG No.:	Q3012
Lab Sample ID:	Q3012-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	95.6
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
VY023284.D	1	09/04/25 13:09	VY090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.20	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.20	ug/Kg
75-01-4	Vinyl Chloride	0.83	U	0.83	5.20	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.20	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.20	ug/Kg
67-64-1	Acetone	5.00	U	5.00	26.2	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.76	U	0.76	5.20	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.20	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.90	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	5.20	ug/Kg
110-82-7	Cyclohexane	0.83	U	0.83	5.20	ug/Kg
78-93-3	2-Butanone	6.80	U	6.80	26.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.78	U	0.78	5.20	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.20	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.97	U	0.97	5.20	ug/Kg
108-87-2	Methylcyclohexane	0.95	U	0.95	5.20	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.83	U	0.83	5.20	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.95	U	0.95	5.20	ug/Kg
75-27-4	Bromodichloromethane	0.82	U	0.82	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	26.2	ug/Kg
108-88-3	Toluene	0.82	U	0.82	5.20	ug/Kg

Raw Data: **VY023284.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	VOC	SDG No.:	Q3012
Lab Sample ID:	Q3012-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	95.6
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
VY023284.D	1	09/04/25 13:09	VY090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.68	U	0.68	5.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.65	U	0.65	5.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.96	U	0.96	5.20	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.2	ug/Kg
124-48-1	Dibromochloromethane	0.91	U	0.91	5.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.92	U	0.92	5.20	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.20	ug/Kg
108-90-7	Chlorobenzene	0.95	U	0.95	5.20	ug/Kg
100-41-4	Ethyl Benzene	0.70	U	0.70	5.20	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.5	ug/Kg
95-47-6	o-Xylene	0.86	U	0.86	5.20	ug/Kg
100-42-5	Styrene	0.74	U	0.74	5.20	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.20	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	5.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	3.10	5.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.30	U	3.30	5.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.3		63 - 155	119%	SPK: 50
1868-53-7	Dibromofluoromethane	58.0		70 - 134	116%	SPK: 50
2037-26-5	Toluene-d8	51.1		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		17 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	342000	7.713			
540-36-3	1,4-Difluorobenzene	619000	8.615			
3114-55-4	Chlorobenzene-d5	570000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.346			

Raw Data: **VY023284.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	VOC	SDG No.:	Q3012
Lab Sample ID:	Q3012-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	95.6
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
VY023284.D	1	09/04/25 13:09	VY090425

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\VY090425\
Data File : VY023284.D
Acq On : 04 Sep 2025 13:09
Operator : SY/MD
Sample : Q3012-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Time: Sep 05 04:25:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

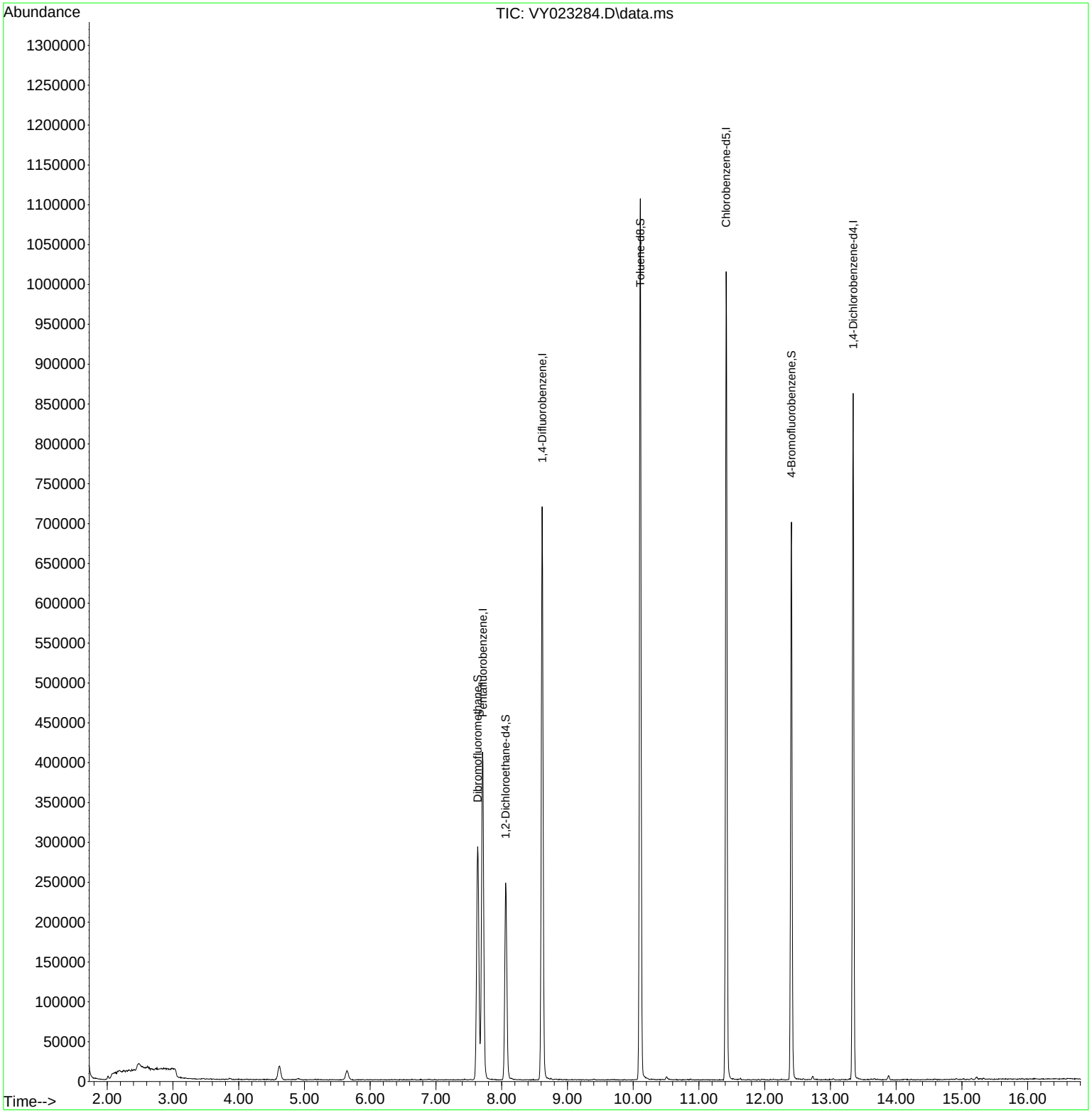
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	342442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	619490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	569990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	226771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193473	59.280	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.560%			
35) Dibromofluoromethane	7.634	113	214903	57.975	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.940%			
50) Toluene-d8	10.109	98	739733	51.083	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.407	95	214766	46.116	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.240%			
Target Compounds						Qvalue

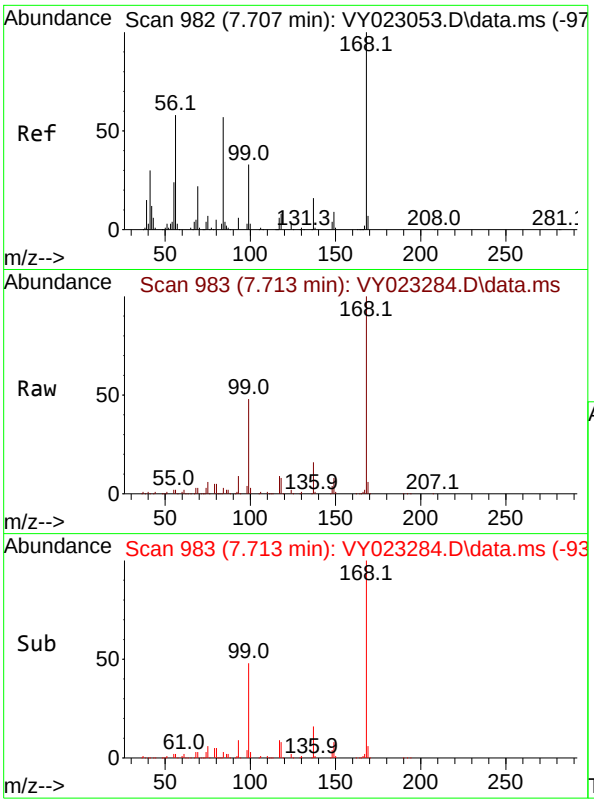
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023284.D
Acq On : 04 Sep 2025 13:09
Operator : SY/MD
Sample : Q3012-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Time: Sep 05 04:25:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



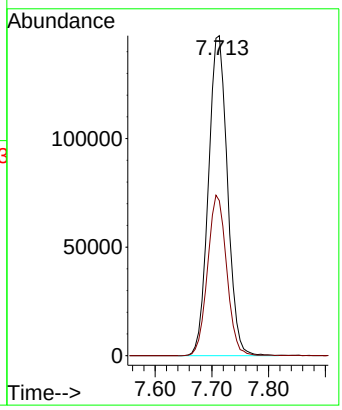


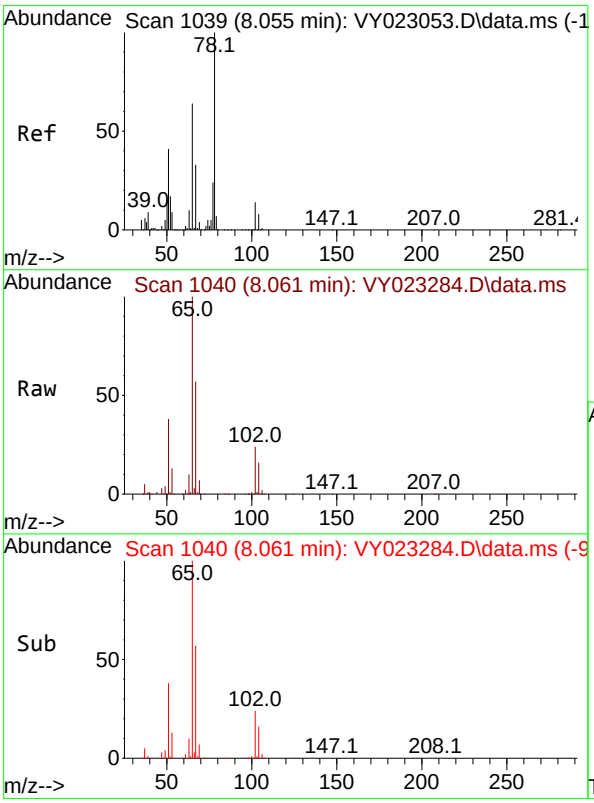
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:168 Resp: 342442

Ion	Ratio	Lower	Upper
168	100		
99	48.5	42.8	64.2

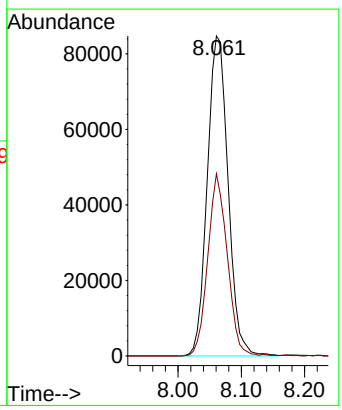


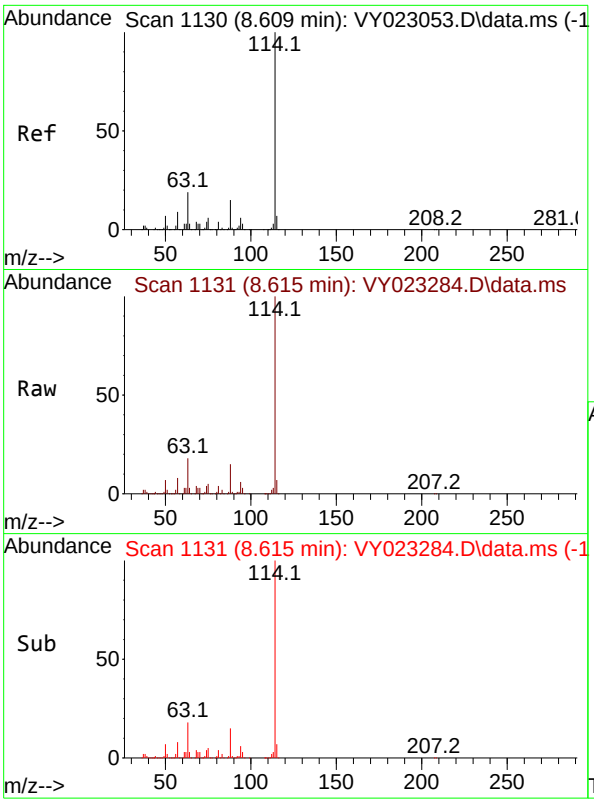


#33
1,2-Dichloroethane-d4
Concen: 59.280 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 65 Resp: 193473

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.8



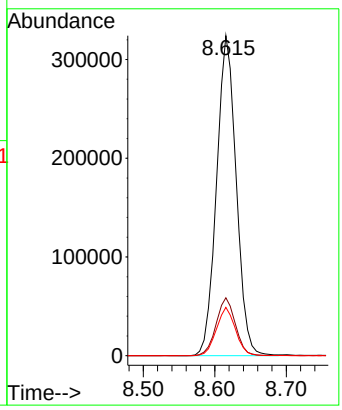


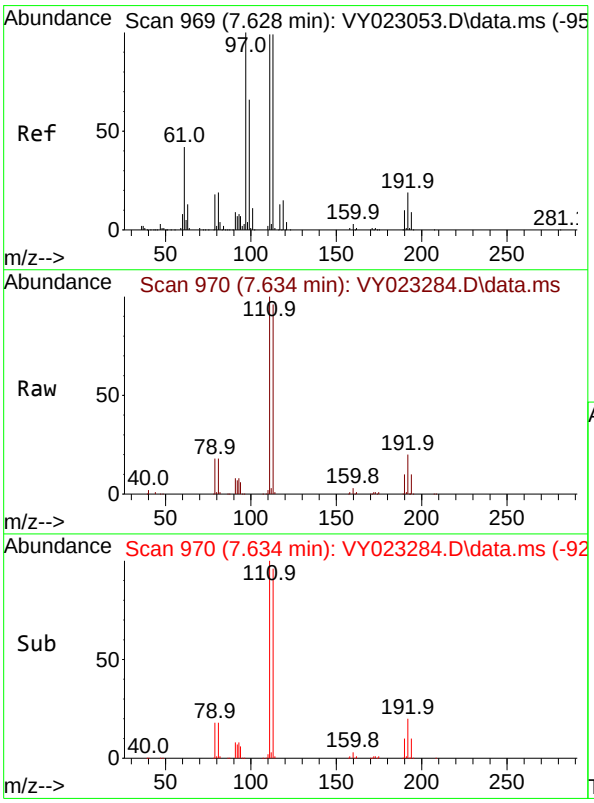
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:114 Resp: 619490

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	15.1	0.0	30.0

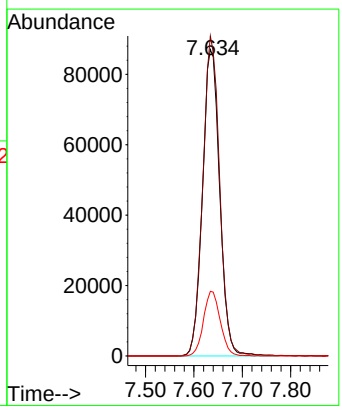


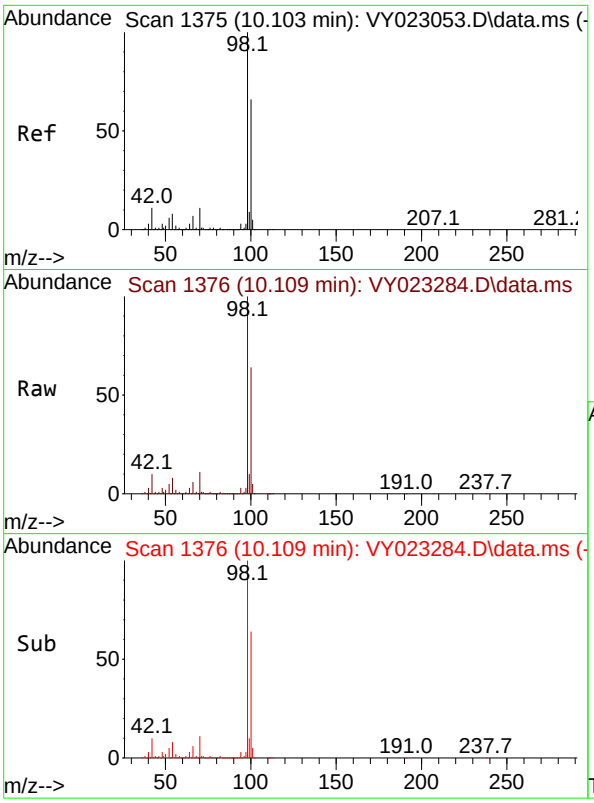


#35
Dibromofluoromethane
Concen: 57.975 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Tgt Ion:113 Resp: 214903

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	20.7	16.2	24.4



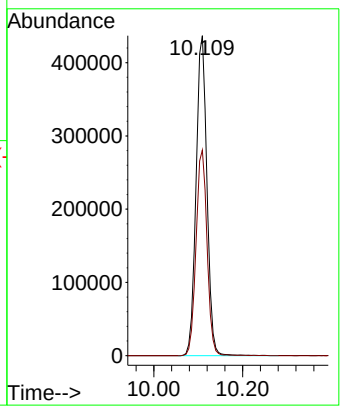


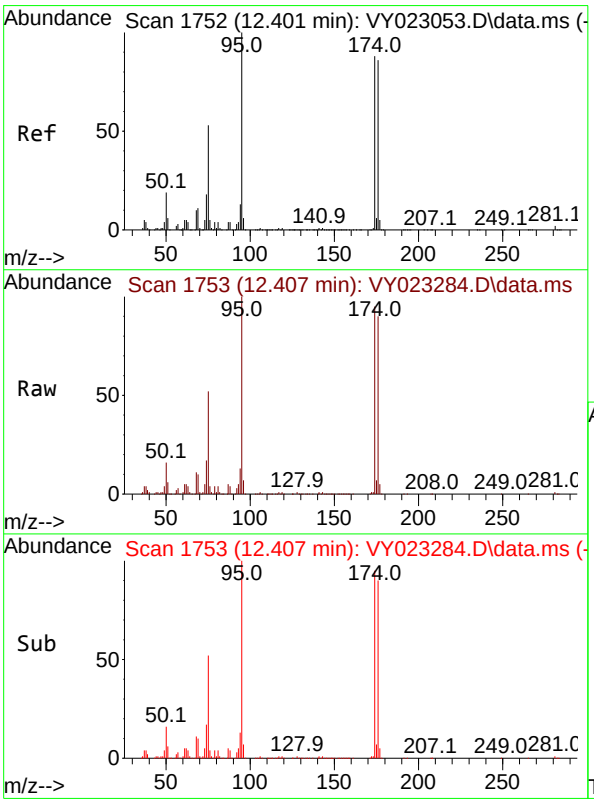
#50
Toluene-d8
Concen: 51.083 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 98 Resp: 739733

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5

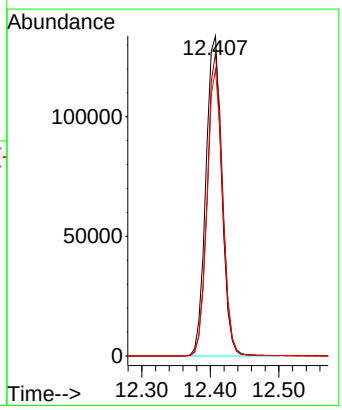


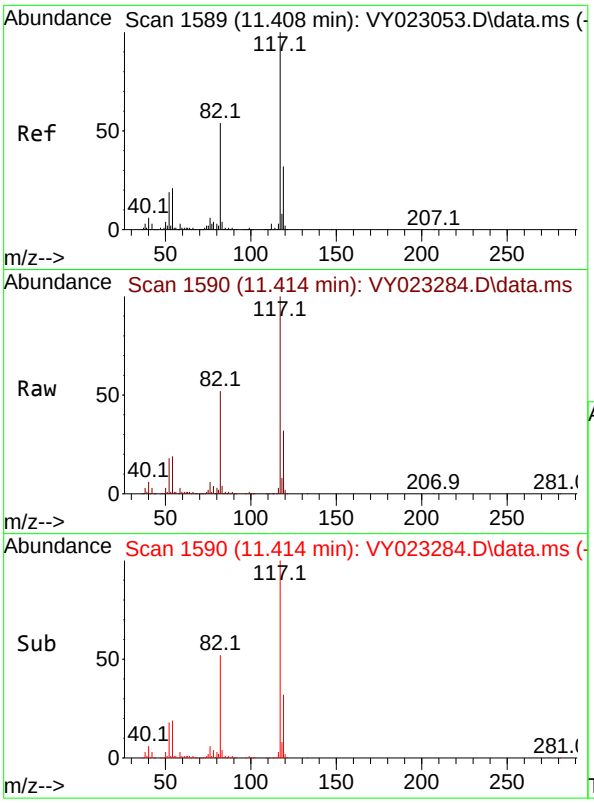


#62
4-Bromofluorobenzene
Concen: 46.116 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 95 Resp: 214766

Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	171.6
176	88.3	0.0	167.6



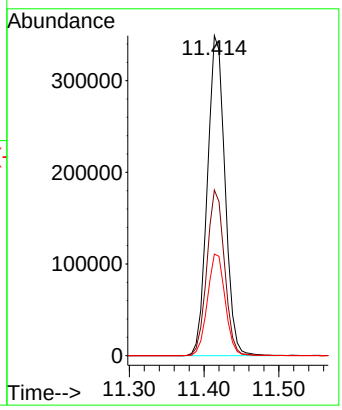


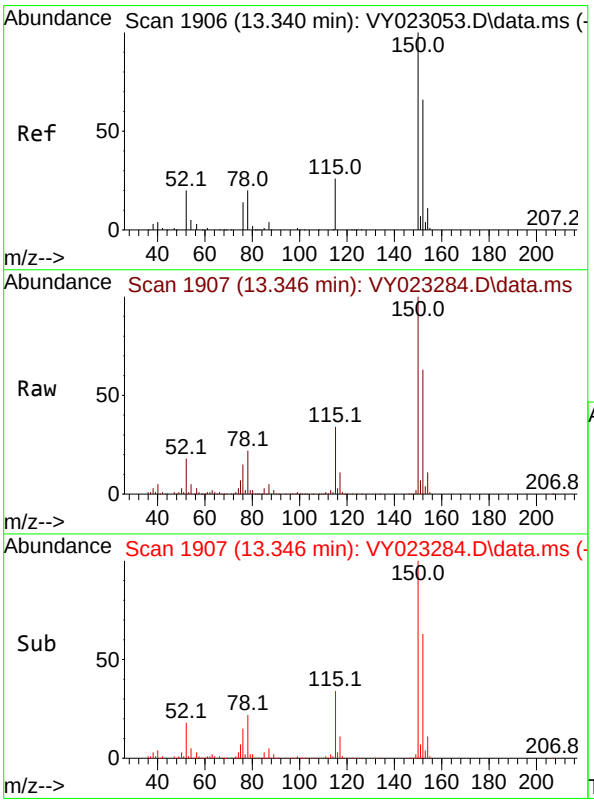
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:117 Resp: 569990

Ion	Ratio	Lower	Upper
117	100		
82	51.8	43.4	65.0
119	31.7	25.6	38.4

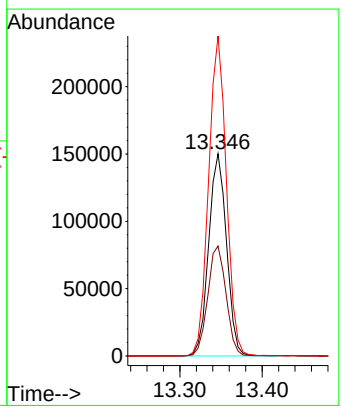




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Tgt Ion:152 Resp: 226771

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.6
150	156.6	0.0	348.0



Sample Results: **VY023284.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023284.D
Acq On : 04 Sep 2025 13:09
Operator : SY/MD
Sample : Q3012-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

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\82Y081225S.M
Title : SW846 8260

Signal : TIC: VY023284.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	464	476	486	rVB3	17121	53237	2.79%	0.549%
2	5.646	634	644	657	rVB3	11472	35248	1.85%	0.363%
3	7.634	958	970	976	rBV	292675	710433	37.25%	7.320%
4	7.707	976	982	996	rVB	410134	955914	50.12%	9.849%
5	8.061	1031	1040	1051	rBV	247184	552904	28.99%	5.697%
6	8.615	1121	1131	1142	rBV	719413	1384679	72.60%	14.267%
7	10.109	1367	1376	1399	rVB	1105420	1907305	100.00%	19.652%
8	11.414	1583	1590	1606	rBV	1014516	1671079	87.61%	17.218%
9	12.407	1746	1753	1762	rBV	699459	1125438	59.01%	11.596%
10	13.346	1900	1907	1916	rBV	860775	1309352	68.65%	13.491%

Sum of corrected areas: 9705589

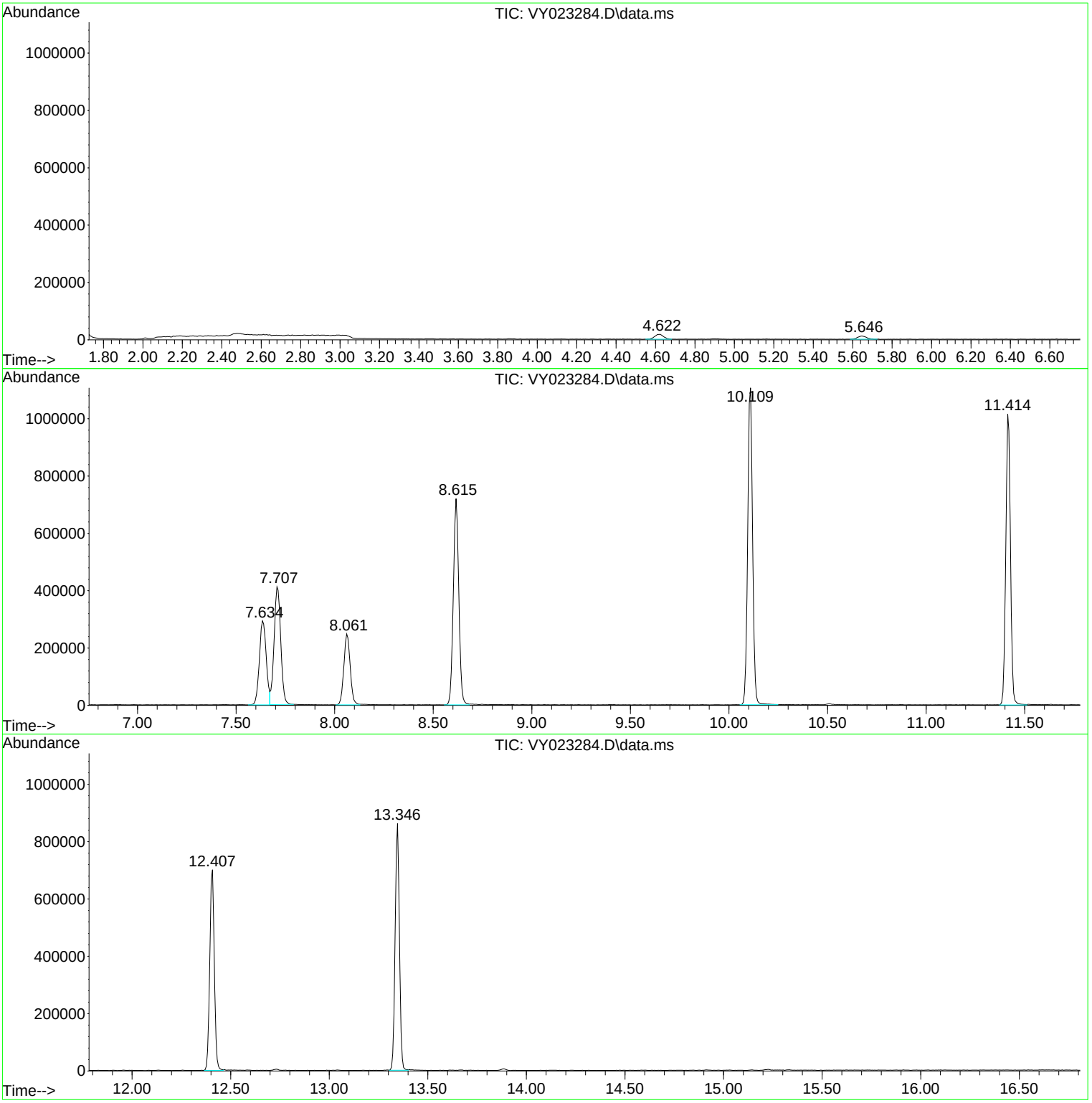
Sample Results: **VY023284.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023284.D
Acq On : 04 Sep 2025 13:09
Operator : SY/MD
Sample : Q3012-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023284.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023284.D
Acq On : 04 Sep 2025 13:09
Operator : SY/MD
Sample : Q3012-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.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\VY090425\
Data File : VY023284.D
Acq On : 04 Sep 2025 13:09
Operator : SY/MD
Sample : Q3012-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG No.: Q3012

Instrument ID: MSVOA_Y Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.487	0.463	0.460	0.348	0.337	0.354	0.408	16.8
Chloromethane	0.699	0.707	0.736	0.607	0.603	0.613	0.661	9
Vinyl Chloride	0.868	0.870	0.875	0.769	0.754	0.766	0.817	7.3
Bromomethane	0.673	0.638	0.653	0.540	0.576	0.581	0.610	8.5
Chloroethane	0.585	0.567	0.569	0.515	0.508	0.516	0.543	6.2
Trichlorofluoromethane	1.059	1.044	1.048	0.937	0.900	0.974	0.994	6.7
1,1,2-Trichlorotrifluoroethane	0.522	0.519	0.521	0.462	0.445	0.472	0.490	7
1,1-Dichloroethene	0.492	0.505	0.502	0.463	0.454	0.475	0.482	4.4
Acetone	0.110	0.111	0.106	0.103	0.094	0.096	0.103	6.9
Carbon Disulfide	1.656	1.663	1.662	1.491	1.453	1.501	1.571	6.3
Methyl tert-butyl Ether	1.181	1.268	1.296	1.236	1.202	1.308	1.249	4.1
Methyl Acetate	0.299	0.308	0.325	0.322	0.280	0.309	0.307	5.4
Methylene Chloride	0.861	0.706	0.606	0.510	0.511	0.524	0.620	22.7
trans-1,2-Dichloroethene	0.535	0.561	0.559	0.523	0.520	0.550	0.541	3.3
1,1-Dichloroethane	0.929	0.969	0.984	0.918	0.907	0.945	0.942	3.1
Cyclohexane	1.040	0.934	0.905	0.816	0.792	0.838	0.888	10.4
2-Butanone	0.135	0.152	0.143	0.142	0.129	0.142	0.140	5.5
Carbon Tetrachloride	0.490	0.486	0.505	0.466	0.466	0.484	0.483	3.1
cis-1,2-Dichloroethene	0.621	0.624	0.645	0.607	0.610	0.648	0.626	2.8
Bromochloromethane	0.367	0.379	0.393	0.365	0.367	0.371	0.374	2.9
Chloroform	0.969	0.997	1.002	0.943	0.936	0.981	0.971	2.8
1,1,1-Trichloroethane	0.862	0.877	0.899	0.837	0.833	0.864	0.862	2.8
Methylcyclohexane	0.574	0.579	0.605	0.566	0.575	0.614	0.586	3.3
Benzene	1.354	1.375	1.430	1.334	1.334	1.395	1.370	2.8
1,2-Dichloroethane	0.353	0.370	0.371	0.347	0.339	0.359	0.356	3.6
Trichloroethene	0.354	0.355	0.373	0.341	0.342	0.359	0.354	3.3
1,2-Dichloropropane	0.303	0.321	0.326	0.309	0.309	0.325	0.315	3.1
Bromodichloromethane	0.446	0.464	0.489	0.459	0.456	0.481	0.466	3.5
4-Methyl-2-Pentanone	0.168	0.201	0.200	0.199	0.190	0.211	0.195	7.7
Toluene	0.817	0.851	0.902	0.858	0.873	0.921	0.870	4.3

* 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: SCIA01

Lab Code: ACE SDG No.: Q3012

Instrument ID: MSVOA_Y Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.377	0.410	0.435	0.420	0.428	0.459	0.422	6.5
cis-1,3-Dichloropropene	0.457	0.486	0.513	0.496	0.500	0.540	0.499	5.5
1,1,2-Trichloroethane	0.230	0.242	0.253	0.239	0.236	0.254	0.242	4
2-Hexanone	0.112	0.134	0.137	0.136	0.131	0.146	0.133	8.6
Dibromochloromethane	0.300	0.317	0.326	0.318	0.316	0.340	0.320	4.1
1,2-Dibromoethane	0.206	0.232	0.237	0.226	0.222	0.242	0.228	5.6
Tetrachloroethene	0.477	0.463	0.475	0.435	0.393	0.437	0.446	7.2
Chlorobenzene	1.062	1.070	1.116	1.055	1.057	1.111	1.079	2.6
Ethyl Benzene	1.775	1.795	1.894	1.859	1.858	1.956	1.856	3.6
m/p-Xylenes	0.676	0.699	0.745	0.718	0.737	0.774	0.725	4.8
o-Xylene	0.605	0.643	0.696	0.686	0.702	0.742	0.679	7.1
Styrene	0.945	1.023	1.140	1.123	1.176	1.254	1.110	10
Bromoform	0.197	0.213	0.216	0.214	0.213	0.231	0.214	5
Isopropylbenzene	3.420	3.483	3.602	3.505	3.514	3.650	3.529	2.4
1,1,2,2-Tetrachloroethane	0.584	0.647	0.605	0.585	0.581	0.613	0.603	4.2
1,3-Dichlorobenzene	1.600	1.642	1.701	1.610	1.656	1.752	1.660	3.5
1,4-Dichlorobenzene	1.687	1.657	1.680	1.601	1.597	1.660	1.647	2.3
1,2-Dichlorobenzene	1.410	1.472	1.496	1.420	1.438	1.499	1.456	2.7
1,2-Dibromo-3-Chloropropane	0.093	0.096	0.094	0.095	0.086	0.098	0.094	4.3
1,2,4-Trichlorobenzene	0.788	0.839	0.881	0.847	0.856	0.955	0.861	6.4
1,2,3-Trichlorobenzene	0.685	0.733	0.752	0.720	0.727	0.834	0.742	6.7
1,2-Dichloroethane-d4	0.491	0.490	0.482	0.462	0.472	0.462	0.477	2.7
Dibromofluoromethane	0.290	0.299	0.301	0.293	0.307	0.305	0.299	2.1
Toluene-d8	1.151	1.157	1.173	1.143	1.202	1.186	1.169	1.9
4-Bromofluorobenzene	0.358	0.367	0.367	0.370	0.399	0.394	0.376	4.4

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y081225S.M
Title : SW846 8260
Last Update : Wed Aug 13 02:10:11 2025
Response Via : Initial Calibration

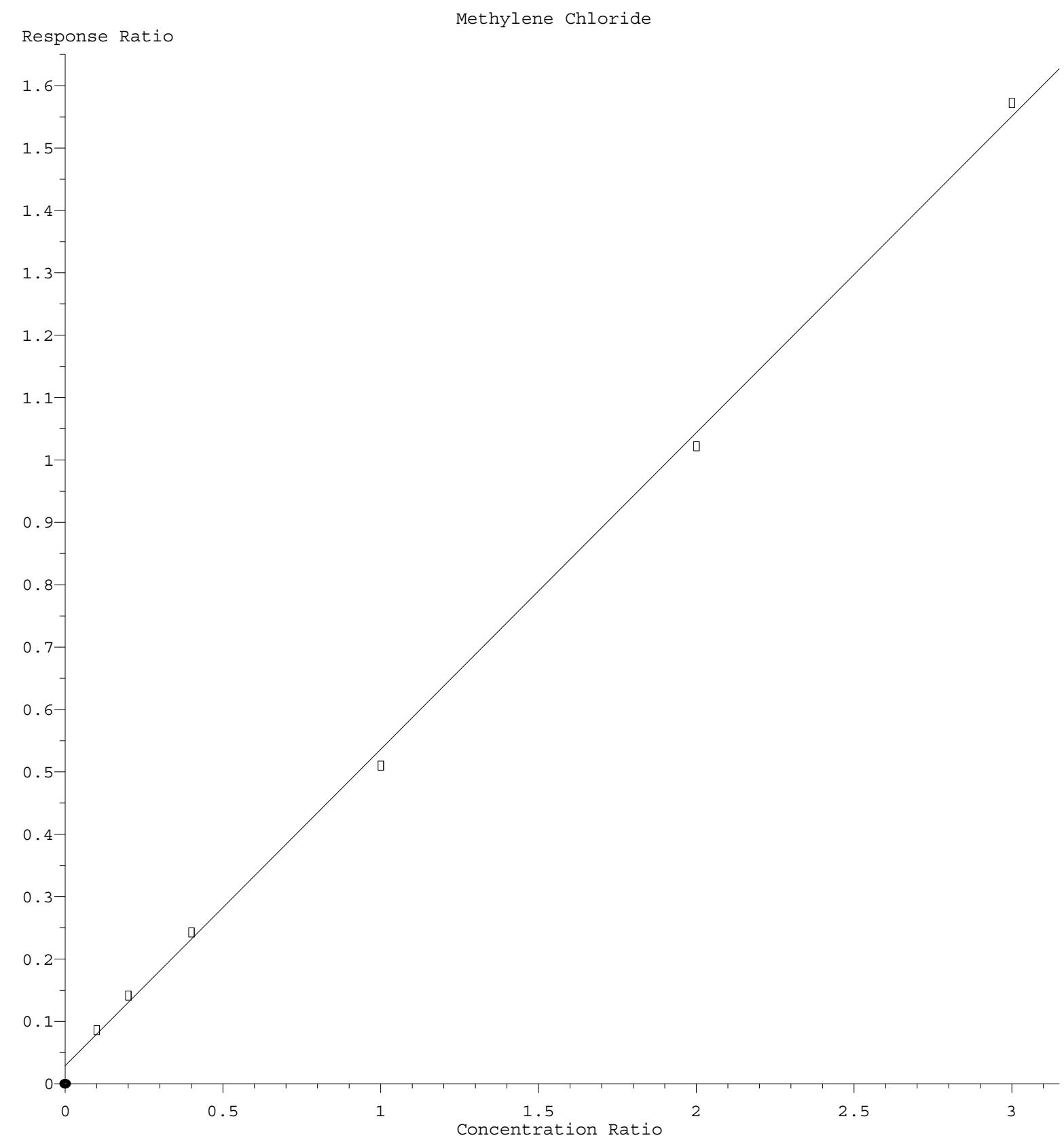
Calibration Files
5 =VY023050.D 10 =VY023051.D 20 =VY023052.D 50 =VY023053.D 100 =VY023054.D 150 =VY023055.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.487	0.463	0.460	0.348	0.337	0.354	0.408	16.79
3)	P	Chloromethane	0.699	0.707	0.736	0.607	0.603	0.613	0.661	9.01
4)	C	Vinyl Chloride	0.868	0.870	0.875	0.769	0.754	0.766	0.817	7.29#
5)	T	Bromomethane	0.673	0.638	0.653	0.540	0.576	0.581	0.610	8.52
6)	T	Chloroethane	0.585	0.567	0.569	0.515	0.508	0.516	0.543	6.19
7)	T	Trichlorofluor...	1.059	1.044	1.048	0.937	0.900	0.974	0.994	6.68
8)	T	Diethyl Ether	0.271	0.276	0.271	0.251	0.245	0.264	0.263	4.69
9)	T	1,1,2-Trichlor...	0.522	0.519	0.521	0.462	0.445	0.472	0.490	7.01
10)	T	Methyl Iodide	0.468	0.491	0.539	0.549	0.564	0.563	0.529	7.57
11)	T	Tert butyl alc...	0.033	0.037	0.033	0.032	0.029	0.033	0.033	7.44
12)	CM	1,1-Dichloroet...	0.492	0.505	0.502	0.463	0.454	0.475	0.482	4.38#
13)	T	Acrolein	0.048	0.055	0.050	0.045	0.043	0.046	0.048	8.57
14)	T	Allyl chloride	0.734	0.718	0.724	0.686	0.681	0.712	0.709	3.01
15)	T	Acrylonitrile	0.101	0.114	0.112	0.106	0.100	0.109	0.107	5.51
16)	T	Acetone	0.110	0.111	0.106	0.103	0.094	0.096	0.103	6.89
17)	T	Carbon Disulfide	1.656	1.663	1.662	1.491	1.453	1.501	1.571	6.30
18)	T	Methyl Acetate	0.299	0.308	0.325	0.322	0.280	0.309	0.307	5.37
19)	T	Methyl tert-bu...	1.181	1.268	1.296	1.236	1.202	1.308	1.249	4.09
20)	T	Methylene Chlo...	0.861	0.706	0.606	0.510	0.511	0.524	0.620	22.69
21)	T	trans-1,2-Dich...	0.535	0.561	0.559	0.523	0.520	0.550	0.541	3.28
22)	T	Diisopropyl ether	1.442	1.565	1.609	1.512	1.510	1.605	1.541	4.21
23)	T	Vinyl Acetate	0.790	0.875	0.875	0.841	0.830	0.899	0.852	4.62
24)	P	1,1-Dichloroet...	0.929	0.969	0.984	0.918	0.907	0.945	0.942	3.15
25)	T	2-Butanone	0.135	0.152	0.143	0.142	0.129	0.142	0.140	5.51
26)	T	2,2-Dichloropr...	0.837	0.830	0.844	0.790	0.776	0.800	0.813	3.43
27)	T	cis-1,2-Dichlo...	0.621	0.624	0.645	0.607	0.610	0.648	0.626	2.77
28)	T	Bromochloromet...	0.367	0.379	0.393	0.365	0.367	0.371	0.374	2.88
29)	T	Tetrahydrofuran	0.084	0.091	0.089	0.087	0.081	0.091	0.087	4.62
30)	C	Chloroform	0.969	0.997	1.002	0.943	0.936	0.981	0.971	2.81#
31)	T	Cyclohexane	1.040	0.934	0.905	0.816	0.792	0.838	0.888	10.35
32)	T	1,1,1-Trichlor...	0.862	0.877	0.899	0.837	0.833	0.864	0.862	2.85
33)	S	1,2-Dichloroet...	0.491	0.490	0.482	0.462	0.472	0.462	0.477	2.74
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.290	0.299	0.301	0.293	0.307	0.305	0.299	2.14
36)	T	1,1-Dichloropr...	0.442	0.455	0.461	0.433	0.429	0.447	0.445	2.81
37)	T	Ethyl Acetate	0.167	0.197	0.196	0.188	0.178	0.195	0.187	6.52
38)	T	Carbon Tetrach...	0.490	0.486	0.505	0.466	0.466	0.484	0.483	3.08
39)	T	Methylcyclohexane	0.574	0.579	0.605	0.566	0.575	0.614	0.586	3.35
40)	TM	Benzene	1.354	1.375	1.430	1.334	1.334	1.395	1.370	2.76
41)	T	Methacrylonitrile	0.113	0.107	0.111	0.110	0.102	0.103	0.108	4.05
42)	TM	1,2-Dichloroet...	0.353	0.370	0.371	0.347	0.339	0.359	0.356	3.59
43)	T	Isopropyl Acetate	0.352	0.383	0.388	0.373	0.362	0.407	0.378	5.16
44)	TM	Trichloroethene	0.354	0.355	0.373	0.341	0.342	0.359	0.354	3.35
45)	C	1,2-Dichloropr...	0.303	0.321	0.326	0.309	0.309	0.325	0.315	3.08#
46)	T	Dibromomethane	0.166	0.189	0.187	0.178	0.176	0.190	0.181	5.14
47)	T	Bromodichlorom...	0.446	0.464	0.489	0.459	0.456	0.481	0.466	3.47
48)	T	Methyl methacr...	0.149	0.180	0.189	0.188	0.182	0.196	0.181	9.18
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.71
50)	S	Toluene-d8	1.151	1.157	1.173	1.143	1.202	1.186	1.169	1.92
51)	T	4-Methyl-2-Pen...	0.168	0.201	0.200	0.199	0.190	0.211	0.195	7.67
52)	CM	Toluene	0.817	0.851	0.902	0.858	0.873	0.921	0.870	4.28#
53)	T	t-1,3-Dichloro...	0.377	0.410	0.435	0.420	0.428	0.459	0.422	6.47
54)	T	cis-1,3-Dichlo...	0.457	0.486	0.513	0.496	0.500	0.540	0.499	5.54
55)	T	1,1,2-Trichlor...	0.230	0.242	0.253	0.239	0.236	0.254	0.242	3.96
56)	T	Ethyl methacry...	0.247	0.298	0.312	0.320	0.323	0.359	0.310	11.84

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y081225S.M

57)	T	1,3-Dichloropr...	0.385	0.421	0.429	0.405	0.395	0.429	0.411	4.52
58)	T	2-Chloroethyl ...	0.114	0.135	0.144	0.155	0.158	0.171	0.146	13.68
59)	T	2-Hexanone	0.112	0.134	0.137	0.136	0.131	0.146	0.133	8.57
60)	T	Dibromochlorom...	0.300	0.317	0.326	0.318	0.316	0.340	0.320	4.09
61)	T	1,2-Dibromoethane	0.206	0.232	0.237	0.226	0.222	0.242	0.228	5.60
62)	S	4-Bromofluorob...	0.358	0.367	0.367	0.370	0.399	0.394	0.376	4.41
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.477	0.463	0.475	0.435	0.393	0.437	0.446	7.16
65)	PM	Chlorobenzene	1.062	1.070	1.116	1.055	1.057	1.111	1.079	2.55
66)	T	1,1,1,2-Tetrac...	0.347	0.360	0.378	0.362	0.365	0.384	0.366	3.58
67)	C	Ethyl Benzene	1.775	1.795	1.894	1.859	1.858	1.956	1.856	3.56#
68)	T	m/p-Xylenes	0.676	0.699	0.745	0.718	0.737	0.774	0.725	4.80
69)	T	o-Xylene	0.605	0.643	0.696	0.686	0.702	0.742	0.679	7.13
70)	T	Styrene	0.945	1.023	1.140	1.123	1.176	1.254	1.110	9.96
71)	P	Bromoform	0.197	0.213	0.216	0.214	0.213	0.231	0.214	5.03
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.420	3.483	3.602	3.505	3.514	3.650	3.529	2.36
74)	T	N-amyl acetate	0.633	0.738	0.757	0.767	0.756	0.840	0.748	8.89
75)	P	1,1,2,2-Tetrac...	0.584	0.647	0.605	0.585	0.581	0.613	0.603	4.20
76)	T	1,2,3-Trichlor...	0.551	0.483	0.472	0.535	0.409	0.444	0.483	11.18
77)	T	Bromobenzene	0.824	0.830	0.866	0.828	0.831	0.873	0.842	2.58
78)	T	n-propylbenzene	4.052	4.149	4.317	4.217	4.158	4.315	4.201	2.46
79)	T	2-Chlorotoluene	2.349	2.398	2.464	2.382	2.390	2.461	2.407	1.90
80)	T	1,3,5-Trimethy...	2.672	2.811	2.932	2.859	2.872	2.966	2.852	3.64
81)	T	trans-1,4-Dich...	0.181	0.215	0.203	0.197	0.190	0.210	0.199	6.43
82)	T	4-Chlorotoluene	2.427	2.486	2.600	2.462	2.460	2.548	2.497	2.59
83)	T	tert-Butylbenzene	2.428	2.481	2.626	2.588	2.630	2.702	2.576	3.98
84)	T	1,2,4-Trimethy...	2.596	2.760	2.955	2.837	2.894	2.993	2.839	5.12
85)	T	sec-Butylbenzene	3.637	3.749	3.881	3.773	3.781	3.882	3.784	2.42
86)	T	p-Isopropyltol...	2.878	2.978	3.241	3.167	3.230	3.350	3.141	5.66
87)	T	1,3-Dichlorobe...	1.600	1.642	1.701	1.610	1.656	1.752	1.660	3.46
88)	T	1,4-Dichlorobe...	1.687	1.657	1.680	1.601	1.597	1.660	1.647	2.35
89)	T	n-Butylbenzene	2.625	2.809	2.972	2.911	2.933	3.059	2.885	5.24
90)	T	Hexachloroethane	0.638	0.648	0.650	0.630	0.632	0.660	0.643	1.83
91)	T	1,2-Dichlorobe...	1.410	1.472	1.496	1.420	1.438	1.499	1.456	2.65
92)	T	1,2-Dibromo-3-...	0.093	0.096	0.094	0.095	0.086	0.098	0.094	4.27
93)	T	1,2,4-Trichlor...	0.788	0.839	0.881	0.847	0.856	0.955	0.861	6.43
94)	T	Hexachlorobuta...	0.533	0.506	0.522	0.491	0.480	0.504	0.506	3.85
95)	T	Naphthalene	1.204	1.364	1.462	1.488	1.500	1.791	1.468	13.14
96)	T	1,2,3-Trichlor...	0.685	0.733	0.752	0.720	0.727	0.834	0.742	6.73

(#) = Out of Range



Response = 5.073e-001 * Amt + 2.916e-002
Coef of Det (r^2) = 0.998910 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y081225S.M
Calibration Table Last Updated: Wed Aug 13 02:10:11 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	561390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	904866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	759914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	360397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	27563	5.152	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.300%#			
35) Dibromofluoromethane	7.634	113	26265	4.851	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.700%#			
50) Toluene-d8	10.103	98	104144	4.924	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.840%#			
62) 4-Bromofluorobenzene	12.402	95	32420	4.766	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	27351	5.969	ug/l	96
3) Chloromethane	2.068	50	39269	5.291	ug/l	98
4) Vinyl Chloride	2.202	62	48736	5.312	ug/l	99
5) Bromomethane	2.592	94	37773	5.513	ug/l	97
6) Chloroethane	2.732	64	32816	5.380	ug/l	98
7) Trichlorofluoromethane	3.050	101	59438	5.328	ug/l	99
8) Diethyl Ether	3.452	74	15231	5.160	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	29291	5.322	ug/l	98
10) Methyl Iodide	3.994	142	26272	4.424	ug/l	98
11) Tert butyl alcohol	4.866	59	9219	25.147	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	27635	5.108	ug/l	87
13) Acrolein	3.647	56	13391	24.941	ug/l	95
14) Allyl chloride	4.372	41	41201	5.176	ug/l	94
15) Acrylonitrile	5.061	53	28255	23.547	ug/l	95
16) Acetone	3.866	43	30803	26.574	ug/l	98
17) Carbon Disulfide	4.098	76	92964	5.270	ug/l	96
18) Methyl Acetate	4.379	43	16806	4.872	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	66308	4.730	ug/l	98
20) Methylene Chloride	4.604	84	48322	5.657	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	30021	4.938	ug/l	97
22) Diisopropyl ether	6.012	45	80938	4.679	ug/l	91
23) Vinyl Acetate	5.958	43	221862	23.196	ug/l	97
24) 1,1-Dichloroethane	5.909	63	52152	4.931	ug/l	99
25) 2-Butanone	6.890	43	37821	23.991	ug/l	97
26) 2,2-Dichloropropane	6.878	77	46964	5.147	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	34877	4.962	ug/l	97
28) Bromochloromethane	7.238	49	20615	4.913	ug/l	96
29) Tetrahydrofuran	7.256	42	23487	24.035	ug/l	96
30) Chloroform	7.415	83	54392	4.987	ug/l	96
31) Cyclohexane	7.701	56	58362	5.856	ug/l #	83
32) 1,1,1-Trichloroethane	7.610	97	48413	5.003	ug/l	99
36) 1,1-Dichloropropene	7.829	75	39978	4.968	ug/l	99
37) Ethyl Acetate	6.982	43	15080	4.461	ug/l #	95
38) Carbon Tetrachloride	7.811	117	44360	5.076	ug/l	99
39) Methylcyclohexane	9.103	83	51931	4.901	ug/l	99
40) Benzene	8.073	78	122482	4.939	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	10246m	5.247	ug/l		
42) 1,2-Dichloroethane	8.152	62	31902	4.946	ug/l		98
43) Isopropyl Acetate	8.195	43	31890	4.668	ug/l		100
44) Trichloroethene	8.859	130	32050	5.001	ug/l		93
45) 1,2-Dichloropropane	9.134	63	27418	4.805	ug/l		93
46) Dibromomethane	9.225	93	15033	4.590	ug/l		97
47) Bromodichloromethane	9.420	83	40327	4.785	ug/l		98
48) Methyl methacrylate	9.219	41	13477	4.122	ug/l		90
49) 1,4-Dioxane	9.231	88	3454	89.939	ug/l	#	91
51) 4-Methyl-2-Pentanone	9.993	43	75891	21.535	ug/l		100
52) Toluene	10.164	92	73910	4.692	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	34154	4.475	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	41326	4.579	ug/l		97
55) 1,1,2-Trichloroethane	10.566	97	20795	4.745	ug/l		98
56) Ethyl methacrylate	10.432	69	22376	3.990	ug/l		99
57) 1,3-Dichloropropane	10.713	76	34835	4.687	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	51585	19.500	ug/l		100
59) 2-Hexanone	10.755	43	50604	21.088	ug/l		97
60) Dibromochloromethane	10.908	129	27141	4.693	ug/l		100
61) 1,2-Dibromoethane	11.012	107	18652	4.528	ug/l		97
64) Tetrachloroethene	10.640	164	36210	5.336	ug/l		97
65) Chlorobenzene	11.438	112	80684	4.922	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.511	131	26397	4.745	ug/l		94
67) Ethyl Benzene	11.511	91	134854	4.781	ug/l		99
68) m/p-Xylenes	11.621	106	102783	9.329	ug/l		97
69) o-Xylene	11.950	106	45944	4.453	ug/l		94
70) Styrene	11.963	104	71801	4.255	ug/l		97
71) Bromoform	12.127	173	14954	4.599	ug/l	#	94
73) Isopropylbenzene	12.249	105	123246	4.845	ug/l		99
74) N-amyl acetate	12.066	43	22829	4.232	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.499	83	21057	4.848	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	19875m	5.710	ug/l		
77) Bromobenzene	12.530	156	29681	4.891	ug/l		100
78) n-propylbenzene	12.590	91	146043	4.822	ug/l		99
79) 2-Chlorotoluene	12.670	91	84671	4.880	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	96308	4.685	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	6514	4.533	ug/l		89
82) 4-Chlorotoluene	12.773	91	87454	4.859	ug/l		99
83) tert-Butylbenzene	12.993	119	87496	4.712	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	93551	4.571	ug/l		100
85) sec-Butylbenzene	13.170	105	131079	4.806	ug/l		99
86) p-Isopropyltoluene	13.285	119	103731	4.582	ug/l		99
87) 1,3-Dichlorobenzene	13.279	146	57668	4.819	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	60781	5.120	ug/l		97
89) n-Butylbenzene	13.609	91	94594	4.549	ug/l		98
90) Hexachloroethane	13.871	117	22980	4.958	ug/l		97
91) 1,2-Dichlorobenzene	13.651	146	50829	4.843	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3369	4.982	ug/l		93
93) 1,2,4-Trichlorobenzene	14.913	180	28399	4.576	ug/l		98
94) Hexachlorobutadiene	15.017	225	19196	5.263	ug/l		96
95) Naphthalene	15.133	128	43395	4.100	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	24703	4.619	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

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

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

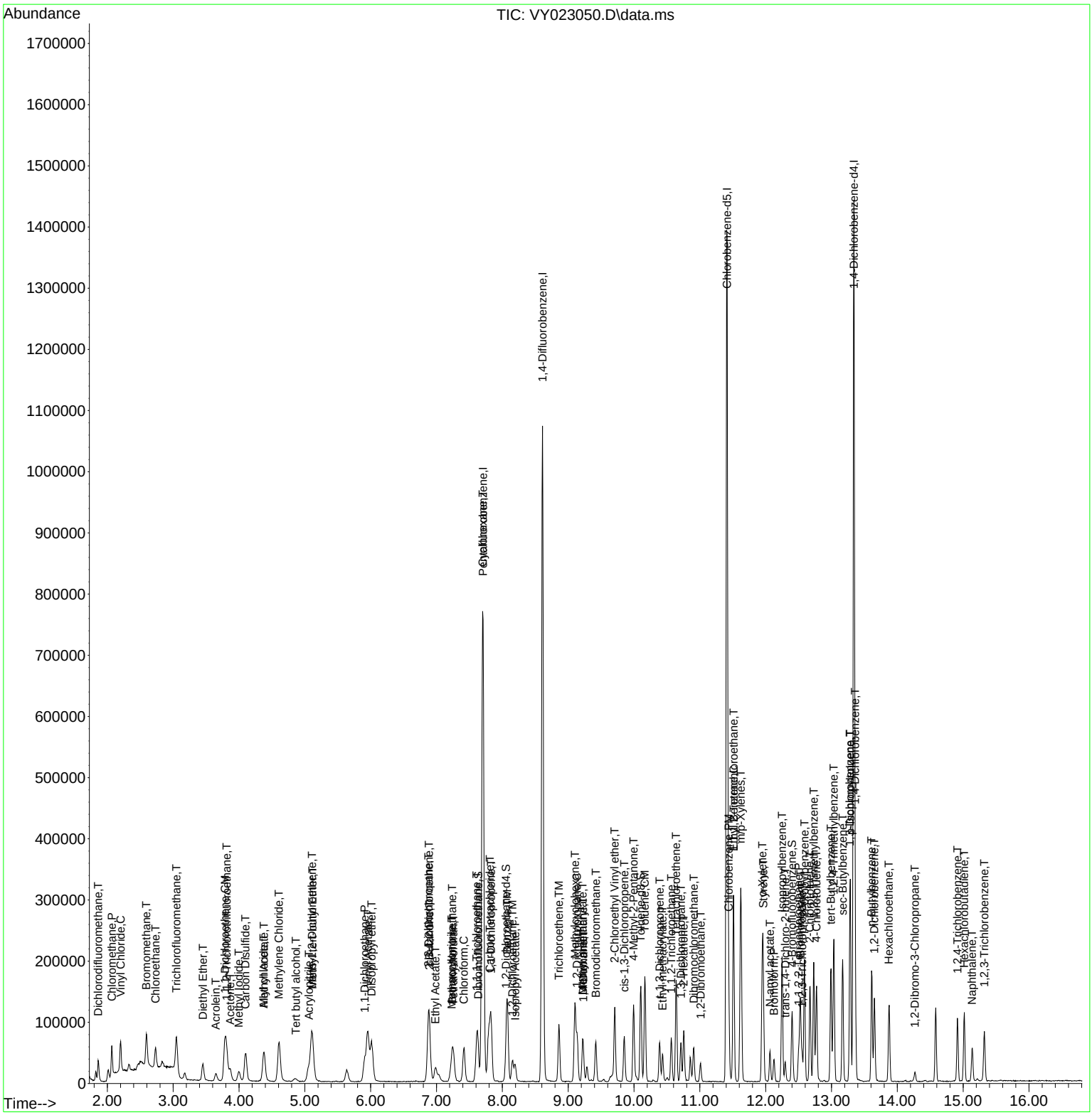
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	551522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	883548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	761327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	365647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	54002	10.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.540%#		
35) Dibromofluoromethane	7.628	113	52916	10.009	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.020%#		
50) Toluene-d8	10.103	98	204532	9.903	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.800%#		
62) 4-Bromofluorobenzene	12.401	95	64927	9.775	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.540%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	51022	11.334	ug/l	95
3) Chloromethane	2.068	50	77982	10.695	ug/l	97
4) Vinyl Chloride	2.202	62	95983	10.649	ug/l	99
5) Bromomethane	2.592	94	70415	10.461	ug/l	99
6) Chloroethane	2.732	64	62514	10.432	ug/l	97
7) Trichlorofluoromethane	3.049	101	115150	10.507	ug/l	94
8) Diethyl Ether	3.452	74	30390	10.481	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	57210	10.581	ug/l	100
10) Methyl Iodide	4.001	142	54184	9.287	ug/l	99
11) Tert butyl alcohol	4.866	59	20212	56.119	ug/l	99
12) 1,1-Dichloroethene	3.781	96	55669	10.475	ug/l	92
13) Acrolein	3.647	56	30081	57.030	ug/l	97
14) Allyl chloride	4.372	41	79145	10.121	ug/l	98
15) Acrylonitrile	5.049	53	62889	53.349	ug/l	99
16) Acetone	3.873	43	61290	53.821	ug/l	94
17) Carbon Disulfide	4.098	76	183399	10.583	ug/l	98
18) Methyl Acetate	4.385	43	33996	10.032	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	139820	10.153	ug/l	95
20) Methylene Chloride	4.604	84	77920	11.095	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	61826	10.352	ug/l	100
22) Diisopropyl ether	6.012	45	172602	10.157	ug/l	93
23) Vinyl Acetate	5.957	43	482714	51.372	ug/l	98
24) 1,1-Dichloroethane	5.903	63	106831	10.282	ug/l	99
25) 2-Butanone	6.896	43	83923	54.187	ug/l	96
26) 2,2-Dichloropropane	6.878	77	91579	10.215	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	68839	9.970	ug/l	99
28) Bromochloromethane	7.238	49	41820	10.146	ug/l	100
29) Tetrahydrofuran	7.262	42	49926	52.005	ug/l	99
30) Chloroform	7.415	83	109942	10.260	ug/l	93
31) Cyclohexane	7.701	56	103068	10.527	ug/l #	89
32) 1,1,1-Trichloroethane	7.616	97	96693	10.170	ug/l	98
36) 1,1-Dichloropropene	7.829	75	80479	10.243	ug/l	99
37) Ethyl Acetate	6.982	43	34854	10.560	ug/l	97
38) Carbon Tetrachloride	7.811	117	85932	10.070	ug/l	97
39) Methylcyclohexane	9.103	83	102275	9.885	ug/l	99
40) Benzene	8.073	78	243060	10.037	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	18825	9.872	ug/l	#	89
42) 1,2-Dichloroethane	8.152	62	65350	10.376	ug/l		99
43) Isopropyl Acetate	8.195	43	67669	10.144	ug/l		99
44) Trichloroethene	8.859	130	62689	10.017	ug/l		98
45) 1,2-Dichloropropane	9.134	63	56720	10.179	ug/l		97
46) Dibromomethane	9.225	93	33460	10.462	ug/l		98
47) Bromodichloromethane	9.420	83	81951	9.959	ug/l		97
48) Methyl methacrylate	9.213	41	31851	9.978	ug/l		96
49) 1,4-Dioxane	9.231	88	7705	205.471	ug/l		94
51) 4-Methyl-2-Pentanone	9.993	43	177157	51.484	ug/l		98
52) Toluene	10.164	92	150422	9.780	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	72507	9.730	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	85945	9.753	ug/l		100
55) 1,1,2-Trichloroethane	10.566	97	42712	9.981	ug/l		97
56) Ethyl methacrylate	10.432	69	52746	9.632	ug/l		98
57) 1,3-Dichloropropane	10.713	76	74433	10.256	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	119417	46.232	ug/l		98
59) 2-Hexanone	10.755	43	118452	50.553	ug/l		99
60) Dibromochloromethane	10.902	129	56045	9.925	ug/l		99
61) 1,2-Dibromoethane	11.011	107	41009	10.196	ug/l		99
64) Tetrachloroethene	10.640	164	70502	10.371	ug/l		98
65) Chlorobenzene	11.438	112	162985	9.925	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	54856	9.842	ug/l		97
67) Ethyl Benzene	11.511	91	273281	9.670	ug/l		99
68) m/p-Xylenes	11.621	106	212766	19.277	ug/l		99
69) o-Xylene	11.950	106	97841	9.465	ug/l		98
70) Styrene	11.963	104	155809	9.216	ug/l		99
71) Bromoform	12.127	173	32470	9.968	ug/l	#	97
73) Isopropylbenzene	12.249	105	254745	9.871	ug/l		99
74) N-amyl acetate	12.066	43	53943	9.857	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.499	83	47304	10.735	ug/l		99
76) 1,2,3-Trichloropropane	12.548	75	35353m	10.012	ug/l		
77) Bromobenzene	12.523	156	60728	9.864	ug/l		96
78) n-propylbenzene	12.590	91	303440	9.876	ug/l		100
79) 2-Chlorotoluene	12.676	91	175364	9.962	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	205544	9.855	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	15715	10.780	ug/l		96
82) 4-Chlorotoluene	12.767	91	181812	9.956	ug/l		99
83) tert-Butylbenzene	12.993	119	181408	9.630	ug/l		99
84) 1,2,4-Trimethylbenzene	13.035	105	201812	9.720	ug/l		100
85) sec-Butylbenzene	13.170	105	274178	9.908	ug/l		99
86) p-Isopropyltoluene	13.285	119	217799	9.482	ug/l		98
87) 1,3-Dichlorobenzene	13.279	146	120109	9.893	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	121160	10.060	ug/l		97
89) n-Butylbenzene	13.609	91	205420	9.737	ug/l		98
90) Hexachloroethane	13.871	117	47353	10.071	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	107656	10.110	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	7032	10.250	ug/l		98
93) 1,2,4-Trichlorobenzene	14.913	180	61323	9.739	ug/l		99
94) Hexachlorobutadiene	15.017	225	37011	10.003	ug/l		99
95) Naphthalene	15.139	128	99780	9.293	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	53626	9.883	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 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

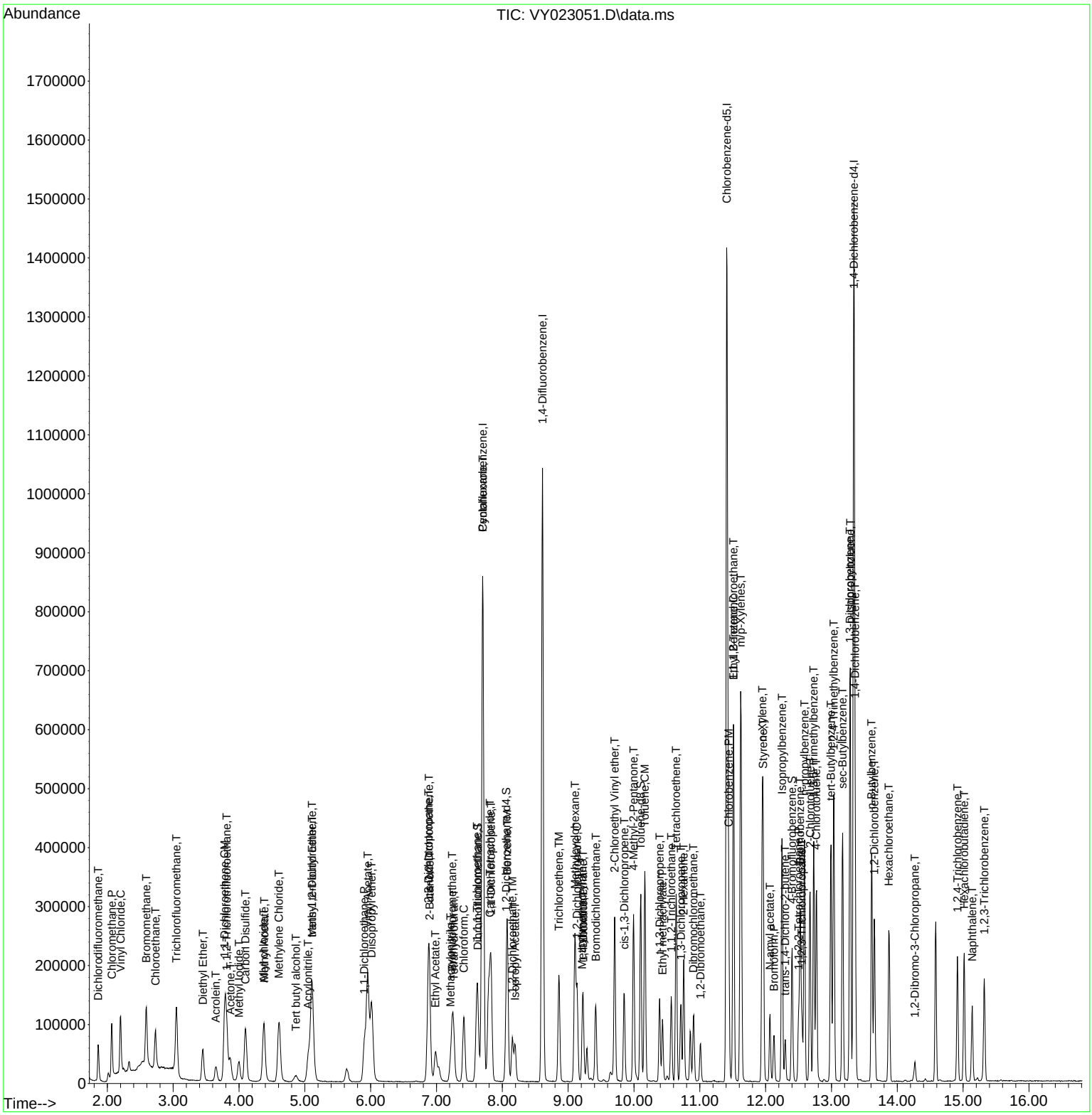
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	537748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	848953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	745484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	370932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	103755	20.244	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.480%#		
35) Dibromofluoromethane	7.628	113	102068	20.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.180%#		
50) Toluene-d8	10.103	98	398394	20.075	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.160%#		
62) 4-Bromofluorobenzene	12.402	95	124467	19.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	98926	22.537	ug/l	98
3) Chloromethane	2.068	50	158310	22.268	ug/l	99
4) Vinyl Chloride	2.202	62	188307	21.427	ug/l	99
5) Bromomethane	2.586	94	140517	21.410	ug/l	99
6) Chloroethane	2.726	64	122310	20.934	ug/l	99
7) Trichlorofluoromethane	3.050	101	225373	21.090	ug/l	99
8) Diethyl Ether	3.452	74	58245	20.602	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.805	101	112116	21.267	ug/l	99
10) Methyl Iodide	3.994	142	115879	20.370	ug/l	99
11) Tert butyl alcohol	4.860	59	35192	100.214	ug/l	98
12) 1,1-Dichloroethene	3.781	96	107992	20.840	ug/l	99
13) Acrolein	3.653	56	54065	105.126	ug/l	100
14) Allyl chloride	4.379	41	155709	20.421	ug/l	97
15) Acrylonitrile	5.055	53	120151	104.535	ug/l	97
16) Acetone	3.866	43	113468	102.193	ug/l	96
17) Carbon Disulfide	4.098	76	357484	21.157	ug/l	98
18) Methyl Acetate	4.379	43	69853	21.141	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	278863	20.767	ug/l	99
20) Methylene Chloride	4.610	84	130416	21.069	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	120321	20.661	ug/l	96
22) Diisopropyl ether	6.012	45	346195	20.894	ug/l	95
23) Vinyl Acetate	5.951	43	941364	102.748	ug/l	97
24) 1,1-Dichloroethane	5.909	63	211558	20.884	ug/l	98
25) 2-Butanone	6.890	43	153363	101.559	ug/l	100
26) 2,2-Dichloropropane	6.878	77	181528	20.767	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	138775	20.613	ug/l	99
28) Bromochloromethane	7.244	49	84540	21.035	ug/l	99
29) Tetrahydrofuran	7.262	42	95795	102.341	ug/l	99
30) Chloroform	7.415	83	215585	20.635	ug/l	98
31) Cyclohexane	7.701	56	194671	20.393	ug/l	96
32) 1,1,1-Trichloroethane	7.610	97	193268	20.848	ug/l	99
36) 1,1-Dichloropropene	7.835	75	156617	20.746	ug/l	98
37) Ethyl Acetate	6.982	43	66420	20.944	ug/l	100
38) Carbon Tetrachloride	7.817	117	171344	20.897	ug/l	98
39) Methylcyclohexane	9.103	83	205594	20.680	ug/l	98
40) Benzene	8.079	78	485631	20.871	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	37785m	20.623	ug/l		
42) 1,2-Dichloroethane	8.152	62	126111	20.839	ug/l		100
43) Isopropyl Acetate	8.195	43	131854	20.571	ug/l		98
44) Trichloroethene	8.859	130	126772	21.083	ug/l		98
45) 1,2-Dichloropropane	9.134	63	110699	20.677	ug/l		99
46) Dibromomethane	9.225	93	63410	20.635	ug/l		98
47) Bromodichloromethane	9.420	83	165954	20.988	ug/l		96
48) Methyl methacrylate	9.219	41	64120	20.905	ug/l		98
49) 1,4-Dioxane	9.225	88	14826	411.480	ug/l		98
51) 4-Methyl-2-Pentanone	9.993	43	339298	102.622	ug/l		100
52) Toluene	10.164	92	306193	20.719	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	147696	20.627	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	174243	20.580	ug/l		96
55) 1,1,2-Trichloroethane	10.566	97	86022	20.920	ug/l		99
56) Ethyl methacrylate	10.432	69	105816	20.111	ug/l		99
57) 1,3-Dichloropropane	10.713	76	145621	20.882	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	244340	98.450	ug/l		99
59) 2-Hexanone	10.755	43	231872	102.992	ug/l		99
60) Dibromochloromethane	10.908	129	110810	20.424	ug/l		99
61) 1,2-Dibromoethane	11.012	107	80549	20.842	ug/l		97
64) Tetrachloroethene	10.640	164	141609	21.273	ug/l		99
65) Chlorobenzene	11.438	112	332700	20.690	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	112677	20.647	ug/l		99
67) Ethyl Benzene	11.511	91	564855	20.412	ug/l		99
68) m/p-Xylenes	11.621	106	444361	41.115	ug/l		98
69) o-Xylene	11.950	106	207639	20.513	ug/l		99
70) Styrene	11.963	104	339891	20.532	ug/l		99
71) Bromoform	12.127	173	64275	20.151	ug/l	#	98
73) Isopropylbenzene	12.249	105	534421	20.413	ug/l		100
74) N-amyl acetate	12.066	43	112297	20.227	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.499	83	89782	20.085	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	70070m	19.560	ug/l		
77) Bromobenzene	12.523	156	128501	20.574	ug/l		99
78) n-propylbenzene	12.590	91	640528	20.550	ug/l		99
79) 2-Chlorotoluene	12.670	91	365577	20.471	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	435074	20.563	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	30153	20.389	ug/l		97
82) 4-Chlorotoluene	12.773	91	385755	20.822	ug/l		99
83) tert-Butylbenzene	12.993	119	389621	20.389	ug/l		100
84) 1,2,4-Trimethylbenzene	13.036	105	438392	20.814	ug/l		98
85) sec-Butylbenzene	13.170	105	575804	20.512	ug/l		100
86) p-Isopropyltoluene	13.285	119	480937	20.640	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	252452	20.497	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	249280	20.403	ug/l		99
89) n-Butylbenzene	13.609	91	440963	20.605	ug/l		99
90) Hexachloroethane	13.871	117	96478	20.226	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	222000	20.552	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13973	20.076	ug/l		98
93) 1,2,4-Trichlorobenzene	14.913	180	130718	20.464	ug/l		98
94) Hexachlorobutadiene	15.017	225	77511	20.650	ug/l		99
95) Naphthalene	15.139	128	216923	19.915	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	111506	20.258	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 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

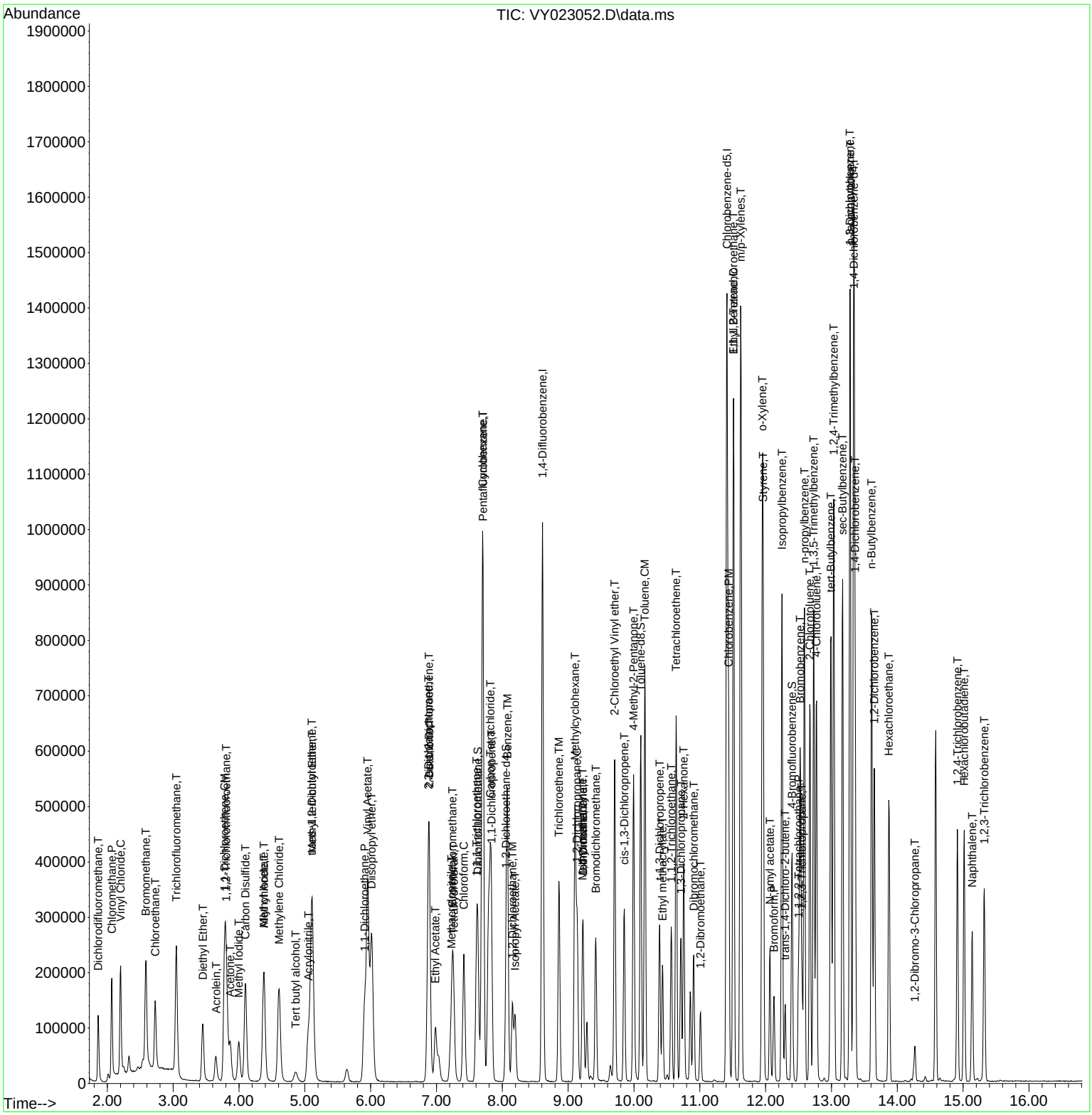
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	539282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	856556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	751969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	377839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	249044	48.455	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.900%			
35) Dibromofluoromethane	7.628	113	251193	49.010	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.020%			
50) Toluene-d8	10.103	98	979082	48.899	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.800%			
62) 4-Bromofluorobenzene	12.401	95	316770	49.194	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	187863	42.677	ug/l	100
3) Chloromethane	2.068	50	327481	45.932	ug/l	100
4) Vinyl Chloride	2.196	62	414609	47.044	ug/l	100
5) Bromomethane	2.592	94	291336	44.263	ug/l	100
6) Chloroethane	2.726	64	277698	47.394	ug/l	100
7) Trichlorofluoromethane	3.049	101	505137	47.136	ug/l	100
8) Diethyl Ether	3.446	74	135373	47.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	249063	47.109	ug/l	100
10) Methyl Iodide	3.994	142	296087	51.899	ug/l	100
11) Tert butyl alcohol	4.860	59	85712	243.383	ug/l	100
12) 1,1-Dichloroethene	3.781	96	249492	48.009	ug/l	100
13) Acrolein	3.647	56	121185	234.966	ug/l	100
14) Allyl chloride	4.378	41	369720	48.350	ug/l	100
15) Acrylonitrile	5.049	53	285675	247.839	ug/l	100
16) Acetone	3.860	43	278510	250.122	ug/l	100
17) Carbon Disulfide	4.098	76	804119	47.456	ug/l	100
18) Methyl Acetate	4.378	43	173642	52.403	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	666514	49.495	ug/l	100
20) Methylene Chloride	4.604	84	275004	47.415	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	282272	48.334	ug/l	100
22) Diisopropyl ether	6.018	45	815359	49.070	ug/l	100
23) Vinyl Acetate	5.951	43	2268046	246.849	ug/l	100
24) 1,1-Dichloroethane	5.909	63	495073	48.732	ug/l	100
25) 2-Butanone	6.884	43	382711	252.715	ug/l	100
26) 2,2-Dichloropropane	6.884	77	425773	48.571	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	327272	48.474	ug/l	100
28) Bromochloromethane	7.244	49	196667	48.795	ug/l	100
29) Tetrahydrofuran	7.256	42	235169	250.523	ug/l	100
30) Chloroform	7.415	83	508641	48.547	ug/l	100
31) Cyclohexane	7.695	56	440266	45.989	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	451521	48.569	ug/l	100
36) 1,1-Dichloropropene	7.829	75	371204	48.734	ug/l	100
37) Ethyl Acetate	6.982	43	160980	50.311	ug/l	100
38) Carbon Tetrachloride	7.817	117	399463	48.285	ug/l	100
39) Methylcyclohexane	9.103	83	484691	48.321	ug/l	100
40) Benzene	8.073	78	1142910	48.683	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	94123	50.916	ug/l		100
42) 1,2-Dichloroethane	8.152	62	296907	48.627	ug/l		100
43) Isopropyl Acetate	8.195	43	319600	49.419	ug/l		100
44) Trichloroethene	8.859	130	292421	48.199	ug/l		100
45) 1,2-Dichloropropane	9.140	63	264354	48.938	ug/l		100
46) Dibromomethane	9.225	93	152822	49.291	ug/l		100
47) Bromodichloromethane	9.420	83	393523	49.327	ug/l		100
48) Methyl methacrylate	9.213	41	160792	51.958	ug/l		100
49) 1,4-Dioxane	9.225	88	36249	997.124	ug/l		100
51) 4-Methyl-2-Pentanone	9.993	43	853025	255.710	ug/l		100
52) Toluene	10.164	92	735326	49.315	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	359698	49.790	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	424834	49.731	ug/l		100
55) 1,1,2-Trichloroethane	10.566	97	204368	49.261	ug/l		100
56) Ethyl methacrylate	10.432	69	273801	51.576	ug/l		100
57) 1,3-Dichloropropane	10.713	76	346510	49.249	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	663351	264.906	ug/l		100
59) 2-Hexanone	10.755	43	584223	257.194	ug/l		100
60) Dibromochloromethane	10.908	129	272171	49.719	ug/l		100
61) 1,2-Dibromoethane	11.005	107	193398	49.598	ug/l		100
64) Tetrachloroethene	10.640	164	327271	48.740	ug/l		100
65) Chlorobenzene	11.438	112	793490	48.920	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	271839	49.381	ug/l		100
67) Ethyl Benzene	11.511	91	1397704	50.073	ug/l		100
68) m/p-Xylenes	11.621	106	1080401	99.103	ug/l		100
69) o-Xylene	11.950	106	516002	50.536	ug/l		100
70) Styrene	11.962	104	844409	50.569	ug/l		100
71) Bromoform	12.127	173	160769	49.969	ug/l	#	100
73) Isopropylbenzene	12.249	105	1324313	49.660	ug/l		100
74) N-amyl acetate	12.066	43	289914	51.264	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.499	83	220853	48.503	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	202260m	55.430	ug/l		
77) Bromobenzene	12.523	156	312706	49.152	ug/l		100
78) n-propylbenzene	12.590	91	1593368	50.186	ug/l		100
79) 2-Chlorotoluene	12.670	91	899967	49.473	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1080333	50.126	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	74567	49.500	ug/l		100
82) 4-Chlorotoluene	12.767	91	930329	49.299	ug/l		100
83) tert-Butylbenzene	12.993	119	978031	50.244	ug/l		100
84) 1,2,4-Trimethylbenzene	13.035	105	1071926	49.963	ug/l		100
85) sec-Butylbenzene	13.170	105	1425553	49.854	ug/l		100
86) p-Isopropyltoluene	13.285	119	1196645	50.417	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	608249	48.481	ug/l		100
88) 1,4-Dichlorobenzene	13.359	146	605079	48.618	ug/l		100
89) n-Butylbenzene	13.609	91	1099864	50.454	ug/l		100
90) Hexachloroethane	13.871	117	238005	48.984	ug/l		100
91) 1,2-Dichlorobenzene	13.651	146	536637	48.772	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35867	50.592	ug/l		100
93) 1,2,4-Trichlorobenzene	14.913	180	320080	49.192	ug/l		100
94) Hexachlorobutadiene	15.017	225	185604	48.543	ug/l		100
95) Naphthalene	15.139	128	562363	50.685	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	272154	48.540	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 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

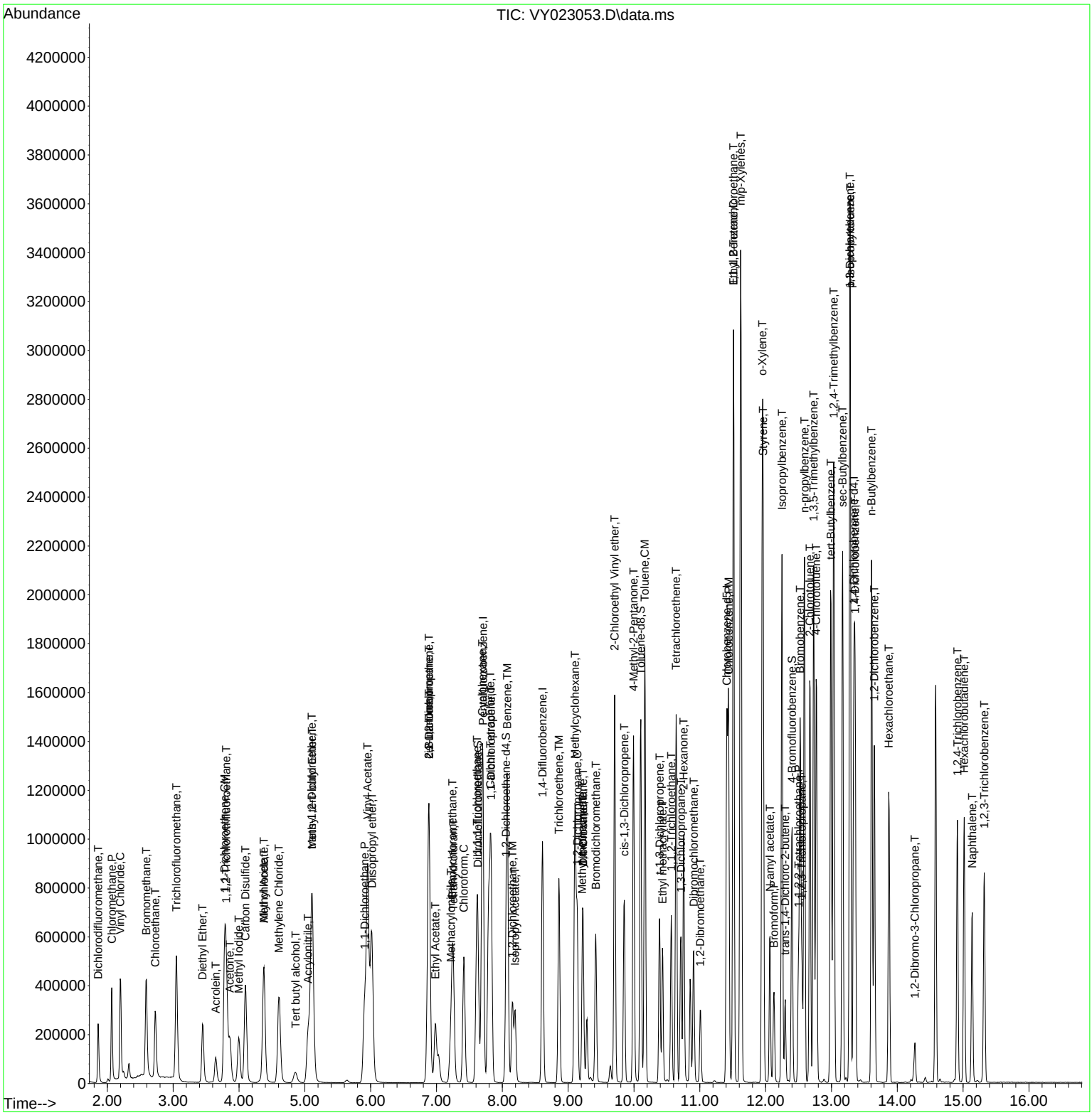
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	558266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	880463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	784385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	404136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	527356	99.115	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 198.220%#			
35) Dibromofluoromethane	7.628	113	540106	102.518	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 205.040%#			
50) Toluene-d8	10.103	98	2116445	102.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 205.660%#			
62) 4-Bromofluorobenzene	12.402	95	702583	106.147	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 212.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	376261	82.570	ug/l	98
3) Chloromethane	2.068	50	673475	91.248	ug/l	99
4) Vinyl Chloride	2.202	62	841648	92.250	ug/l	98
5) Bromomethane	2.586	94	643103	94.384	ug/l	100
6) Chloroethane	2.727	64	567515	93.563	ug/l	99
7) Trichlorofluoromethane	3.050	101	1005284	90.617	ug/l	99
8) Diethyl Ether	3.452	74	273400	93.150	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	497408	90.882	ug/l	99
10) Methyl Iodide	4.001	142	629775	106.635	ug/l	99
11) Tert butyl alcohol	4.866	59	162373	445.387	ug/l	99
12) 1,1-Dichloroethene	3.787	96	506919	94.229	ug/l	95
13) Acrolein	3.647	56	240580	450.599	ug/l	100
14) Allyl chloride	4.379	41	759925	96.000	ug/l	99
15) Acrylonitrile	5.049	53	555815	465.802	ug/l	99
16) Acetone	3.867	43	522178	453.007	ug/l	97
17) Carbon Disulfide	4.098	76	1622451	92.494	ug/l	100
18) Methyl Acetate	4.379	43	312127	90.993	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1342237	96.284	ug/l	100
20) Methylene Chloride	4.610	84	570465	97.847	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	580972	96.098	ug/l	99
22) Diisopropyl ether	6.019	45	1686285	98.033	ug/l	99
23) Vinyl Acetate	5.958	43	4632278	487.023	ug/l	100
24) 1,1-Dichloroethane	5.909	63	1012815	96.306	ug/l	100
25) 2-Butanone	6.890	43	722555	460.899	ug/l	97
26) 2,2-Dichloropropane	6.878	77	866598	95.497	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	681242	97.472	ug/l	100
28) Bromochloromethane	7.244	49	409677	98.188	ug/l	100
29) Tetrahydrofuran	7.256	42	451254	464.370	ug/l	100
30) Chloroform	7.415	83	1045381	96.383	ug/l	96
31) Cyclohexane	7.695	56	884707	89.271	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	929858	96.620	ug/l	99
36) 1,1-Dichloropropene	7.829	75	755114	96.443	ug/l	99
37) Ethyl Acetate	6.982	43	313447	95.302	ug/l	99
38) Carbon Tetrachloride	7.811	117	819941	96.419	ug/l	98
39) Methylcyclohexane	9.103	83	1011944	98.146	ug/l	99
40) Benzene	8.073	78	2348617	97.324	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	180468	94.973	ug/l		98
42) 1,2-Dichloroethane	8.152	62	597215	95.155	ug/l		100
43) Isopropyl Acetate	8.195	43	636710	95.780	ug/l		99
44) Trichloroethene	8.860	130	602322	96.584	ug/l		97
45) 1,2-Dichloropropane	9.140	63	543589	97.899	ug/l		99
46) Dibromomethane	9.225	93	309302	97.052	ug/l		99
47) Bromodichloromethane	9.420	83	802532	97.864	ug/l		98
48) Methyl methacrylate	9.219	41	319906	100.567	ug/l		99
49) 1,4-Dioxane	9.225	88	71300	1908.039	ug/l		94
51) 4-Methyl-2-Pentanone	9.994	43	1669668	486.924	ug/l		100
52) Toluene	10.164	92	1537088	100.288	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	754278	101.574	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	880571	100.281	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	415556	97.446	ug/l		99
56) Ethyl methacrylate	10.432	69	569556	104.375	ug/l		100
57) 1,3-Dichloropropane	10.713	76	696130	96.253	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1389847	539.957	ug/l		99
59) 2-Hexanone	10.756	43	1151000	492.950	ug/l		100
60) Dibromochloromethane	10.902	129	557205	99.024	ug/l		99
61) 1,2-Dibromoethane	11.012	107	391650	97.713	ug/l		98
64) Tetrachloroethene	10.640	164	615871	87.931	ug/l		98
65) Chlorobenzene	11.438	112	1658154	98.004	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.512	131	573131	99.810	ug/l		99
67) Ethyl Benzene	11.512	91	2914020	100.082	ug/l		98
68) m/p-Xylenes	11.621	106	2312597	203.363	ug/l		98
69) o-Xylene	11.950	106	1100998	103.373	ug/l		99
70) Styrene	11.963	104	1845480	105.953	ug/l		99
71) Bromoform	12.127	173	334886	99.786	ug/l	#	99
73) Isopropylbenzene	12.249	105	2839999	99.567	ug/l		99
74) N-amyl acetate	12.066	43	610668	100.955	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.499	83	469810	96.464	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	330554m	84.695	ug/l		
77) Bromobenzene	12.524	156	671329	98.655	ug/l		98
78) n-propylbenzene	12.591	91	3360679	98.963	ug/l		99
79) 2-Chlorotoluene	12.670	91	1931460	99.268	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	2321527	100.707	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	153260	95.118	ug/l		100
82) 4-Chlorotoluene	12.767	91	1988544	98.519	ug/l		100
83) tert-Butylbenzene	12.993	119	2125785	102.102	ug/l		98
84) 1,2,4-Trimethylbenzene	13.036	105	2339432	101.946	ug/l		100
85) sec-Butylbenzene	13.170	105	3056373	99.932	ug/l		100
86) p-Isopropyltoluene	13.286	119	2610936	102.846	ug/l		100
87) 1,3-Dichlorobenzene	13.280	146	1338547	99.748	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	1290840	96.970	ug/l		99
89) n-Butylbenzene	13.609	91	2370706	101.675	ug/l		100
90) Hexachloroethane	13.871	117	510900	98.308	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	1162152	98.749	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	69736	91.965	ug/l		97
93) 1,2,4-Trichlorobenzene	14.913	180	692201	99.460	ug/l		98
94) Hexachlorobutadiene	15.017	225	387707	94.803	ug/l		99
95) Naphthalene	15.133	128	1212227	102.147	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	587990	98.046	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 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

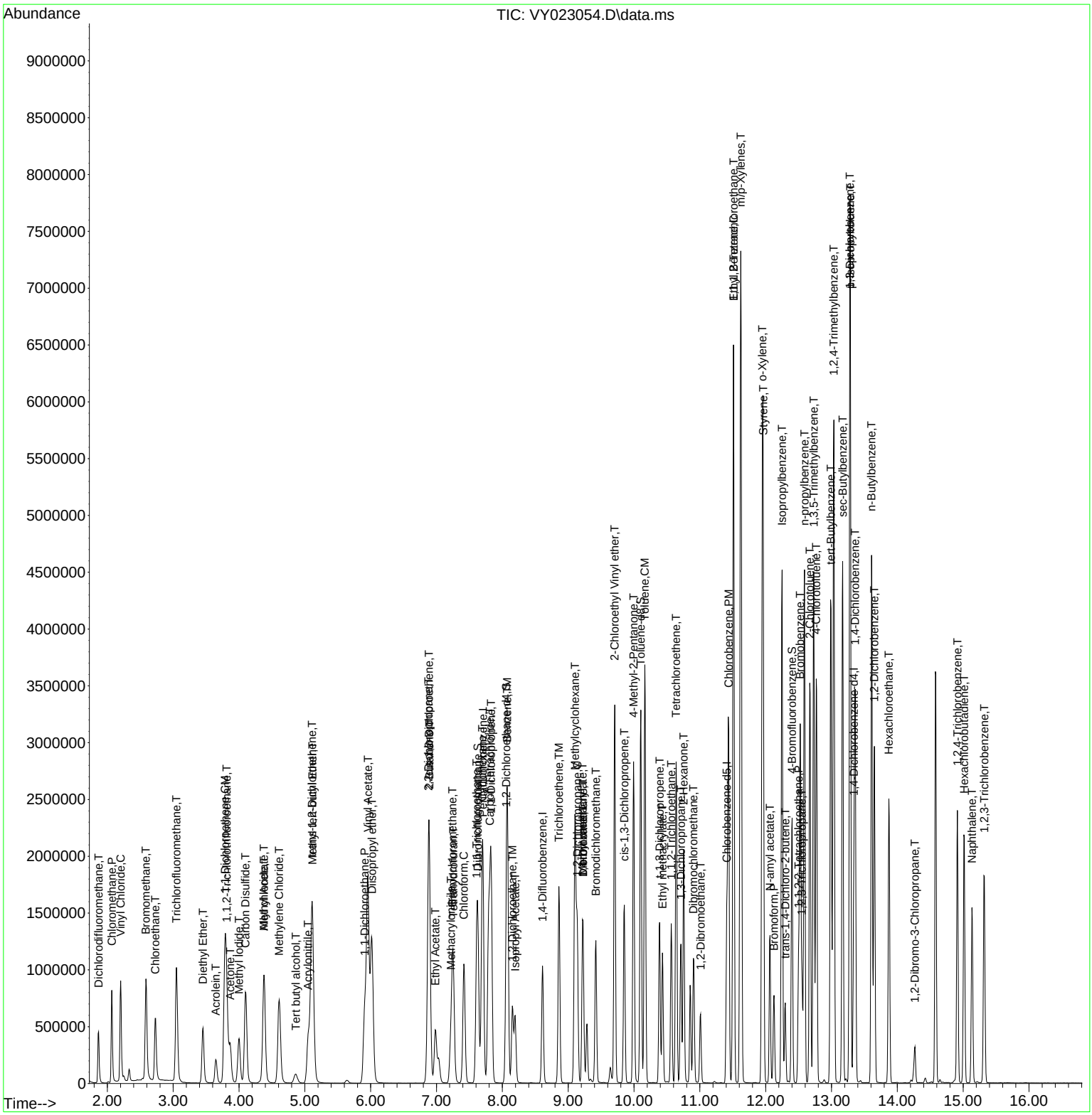
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	538712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	844092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	756365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	389949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	746936	145.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 290.960%#			
35) Dibromofluoromethane	7.628	113	771944	152.837	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.680%#			
50) Toluene-d8	10.103	98	3003834	152.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 304.480%#			
62) 4-Bromofluorobenzene	12.402	95	998318	157.326	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 314.660%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	571723	130.017	ug/l	98
3) Chloromethane	2.062	50	991215	139.173	ug/l	99
4) Vinyl Chloride	2.202	62	1238646	140.692	ug/l	99
5) Bromomethane	2.580	94	938717	142.770	ug/l	100
6) Chloroethane	2.720	64	834547	142.581	ug/l	100
7) Trichlorofluoromethane	3.043	101	1574213	147.051	ug/l	99
8) Diethyl Ether	3.446	74	426242	150.496	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.806	101	763053	144.479	ug/l	99
10) Methyl Iodide	3.995	142	909378	159.567	ug/l	100
11) Tert butyl alcohol	4.860	59	265243	753.967	ug/l	100
12) 1,1-Dichloroethene	3.781	96	768098	147.960	ug/l	95
13) Acrolein	3.647	56	374594	727.070	ug/l	98
14) Allyl chloride	4.372	41	1151194	150.707	ug/l	99
15) Acrylonitrile	5.049	53	883293	767.115	ug/l	99
16) Acetone	3.866	43	777658	699.133	ug/l	100
17) Carbon Disulfide	4.098	76	2426564	143.357	ug/l	99
18) Methyl Acetate	4.379	43	500151	151.100	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	2113920	157.144	ug/l	99
20) Methylene Chloride	4.604	84	846955	152.064	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	889517	152.474	ug/l	97
22) Diisopropyl ether	6.012	45	2594499	156.307	ug/l	99
23) Vinyl Acetate	5.951	43	7267824	791.851	ug/l	99
24) 1,1-Dichloroethane	5.909	63	1527663	150.534	ug/l	99
25) 2-Butanone	6.890	43	1144112	756.289	ug/l	97
26) 2,2-Dichloropropane	6.878	77	1293043	147.663	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	1047717	155.348	ug/l	98
28) Bromochloromethane	7.238	49	599841	148.984	ug/l	98
29) Tetrahydrofuran	7.256	42	734408	783.186	ug/l	99
30) Chloroform	7.415	83	1585686	151.505	ug/l	95
31) Cyclohexane	7.695	56	1354021	141.586	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	1396470	150.372	ug/l	100
36) 1,1-Dichloropropene	7.829	75	1132306	150.850	ug/l	99
37) Ethyl Acetate	6.982	43	494371	156.788	ug/l	99
38) Carbon Tetrachloride	7.811	117	1226800	150.478	ug/l	96
39) Methylcyclohexane	9.103	83	1556004	157.417	ug/l	98
40) Benzene	8.073	78	3533174	152.720	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	261721	143.669	ug/l		90
42) 1,2-Dichloroethane	8.152	62	909030	151.078	ug/l		100
43) Isopropyl Acetate	8.195	43	1029854	161.596	ug/l		98
44) Trichloroethene	8.860	130	909510	152.126	ug/l		94
45) 1,2-Dichloropropane	9.134	63	822035	154.426	ug/l		99
46) Dibromomethane	9.225	93	480162	157.156	ug/l		100
47) Bromodichloromethane	9.420	83	1217658	154.884	ug/l		99
48) Methyl methacrylate	9.213	41	497527	163.144	ug/l		97
49) 1,4-Dioxane	9.225	88	117513	3280.235	ug/l		98
51) 4-Methyl-2-Pentanone	9.993	43	2677587	814.509	ug/l		99
52) Toluene	10.164	92	2332797	158.762	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	1162952	163.355	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	1366797	162.359	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	642236	157.090	ug/l		98
56) Ethyl methacrylate	10.432	69	908662	173.693	ug/l		100
57) 1,3-Dichloropropane	10.713	76	1087297	156.818	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	2167815	878.488	ug/l		99
59) 2-Hexanone	10.756	43	1848093	825.606	ug/l		100
60) Dibromochloromethane	10.908	129	860181	159.454	ug/l		99
61) 1,2-Dibromoethane	11.012	107	613069	159.546	ug/l		99
64) Tetrachloroethene	10.640	164	990664	146.682	ug/l		98
65) Chlorobenzene	11.438	112	2520874	154.514	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	871003	157.304	ug/l		99
67) Ethyl Benzene	11.511	91	4438665	158.093	ug/l		98
68) m/p-Xylenes	11.621	106	3511726	320.251	ug/l		96
69) o-Xylene	11.950	106	1683720	163.941	ug/l		100
70) Styrene	11.963	104	2846443	169.475	ug/l		99
71) Bromoform	12.127	173	523541	161.778	ug/l	#	98
73) Isopropylbenzene	12.249	105	4269945	155.145	ug/l		99
74) N-amyl acetate	12.066	43	982090	168.265	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.499	83	717524	152.686	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	519276m	137.890	ug/l		
77) Bromobenzene	12.523	156	1021449	155.568	ug/l		99
78) n-propylbenzene	12.591	91	5048012	154.058	ug/l		99
79) 2-Chlorotoluene	12.676	91	2878647	153.331	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	3469329	155.973	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	245958	158.203	ug/l		97
82) 4-Chlorotoluene	12.773	91	2981042	153.063	ug/l		99
83) tert-Butylbenzene	12.993	119	3161475	157.371	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	3501626	158.143	ug/l		100
85) sec-Butylbenzene	13.170	105	4541629	153.897	ug/l		99
86) p-Isopropyltoluene	13.286	119	3918969	159.987	ug/l		99
87) 1,3-Dichlorobenzene	13.279	146	2049060	158.251	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	1941716	151.172	ug/l		98
89) n-Butylbenzene	13.609	91	3578272	159.048	ug/l		100
90) Hexachloroethane	13.871	117	772603	154.073	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	1754100	154.469	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	114505	156.498	ug/l		96
93) 1,2,4-Trichlorobenzene	14.913	180	1117401	166.397	ug/l		98
94) Hexachlorobutadiene	15.017	225	589351	149.352	ug/l		99
95) Naphthalene	15.139	128	2094983	182.954	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	975366	168.557	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 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

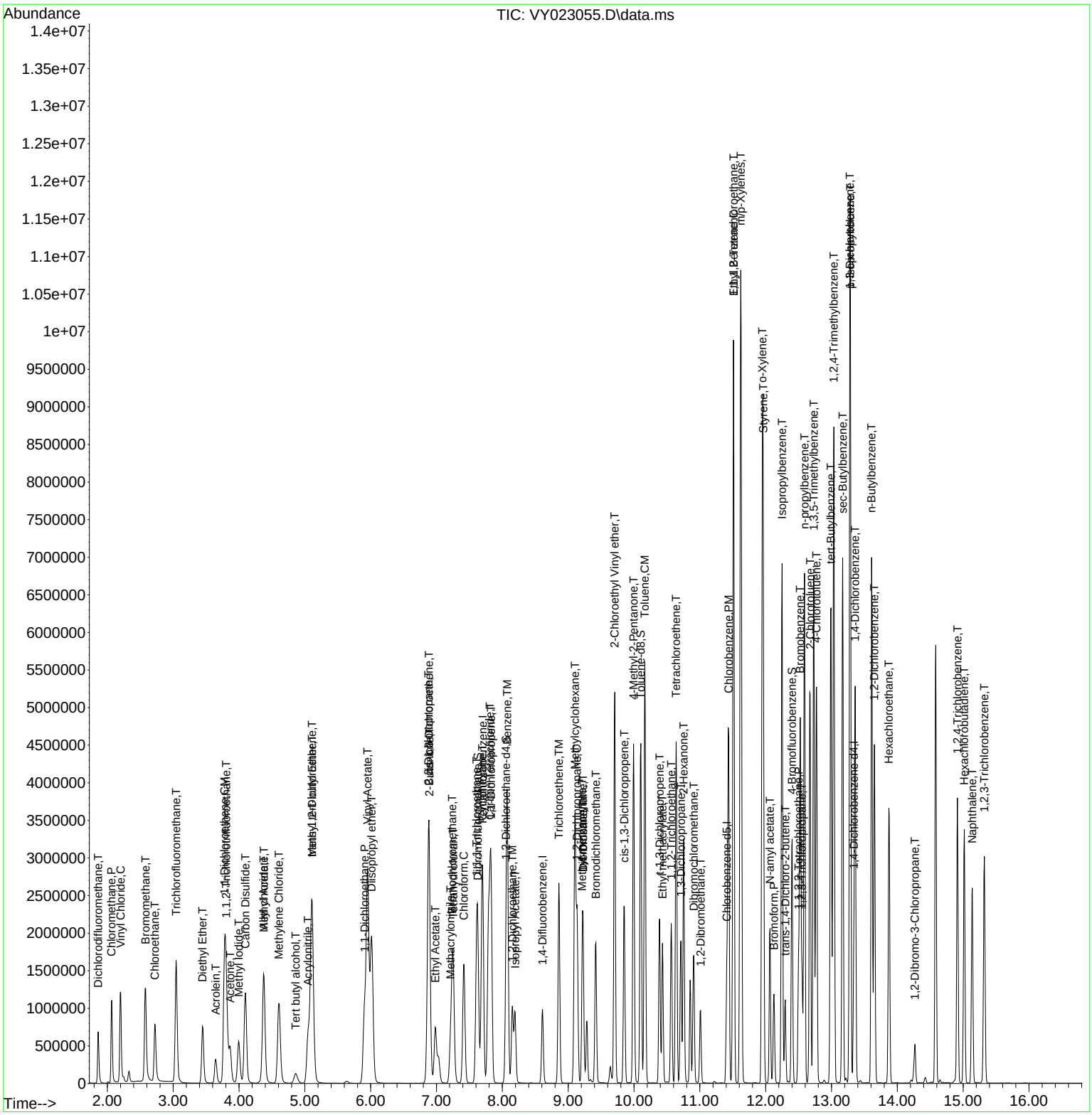
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	528657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	849851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	756555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	376990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	252116	50.038	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.628	113	255171	50.179	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.360%			
50) Toluene-d8	10.103	98	979510	49.306	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.620%			
62) 4-Bromofluorobenzene	12.402	95	329022	51.500	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	179421	41.579	ug/l	99
3) Chloromethane	2.068	50	340600	48.732	ug/l	100
4) Vinyl Chloride	2.202	62	416413	48.198	ug/l	99
5) Bromomethane	2.592	94	303147	46.983	ug/l	98
6) Chloroethane	2.733	64	281008	48.923	ug/l	99
7) Trichlorofluoromethane	3.050	101	493782	47.003	ug/l	100
8) Diethyl Ether	3.452	74	132818	47.787	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	247351	47.725	ug/l	99
10) Methyl Iodide	4.001	142	287126	51.340	ug/l	99
11) Tert butyl alcohol	4.860	59	84906	245.940	ug/l	98
12) 1,1-Dichloroethene	3.787	96	242931	47.686	ug/l	95
13) Acrolein	3.647	56	112246	222.008	ug/l	98
14) Allyl chloride	4.379	41	354691	47.317	ug/l	99
15) Acrylonitrile	5.055	53	274329	242.779	ug/l	99
16) Acetone	3.867	43	229985	210.695	ug/l	96
17) Carbon Disulfide	4.104	76	779852	46.948	ug/l	99
18) Methyl Acetate	4.385	43	168821	51.972	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	658713	49.899	ug/l	100
20) Methylene Chloride	4.610	84	283386	49.960	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	279182	48.765	ug/l	98
22) Diisopropyl ether	6.019	45	814622	50.011	ug/l	97
23) Vinyl Acetate	5.958	43	2182924	242.360	ug/l	100
24) 1,1-Dichloroethane	5.915	63	483509	48.551	ug/l	100
25) 2-Butanone	6.890	43	341490	230.028	ug/l	99
26) 2,2-Dichloropropane	6.884	77	390777	45.475	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	322451	48.720	ug/l	99
28) Bromochloromethane	7.238	49	198640	50.275	ug/l	100
29) Tetrahydrofuran	7.262	42	227680	247.420	ug/l	100
30) Chloroform	7.421	83	497627	48.450	ug/l	97
31) Cyclohexane	7.695	56	436638	46.526	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	445943	48.933	ug/l	100
36) 1,1-Dichloropropene	7.829	75	364210	48.193	ug/l	99
37) Ethyl Acetate	6.982	43	157530	49.621	ug/l	99
38) Carbon Tetrachloride	7.817	117	394245	48.030	ug/l	99
39) Methylcyclohexane	9.103	83	493867	49.625	ug/l	98
40) Benzene	8.073	78	1128023	48.428	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	88437	48.269	ug/l		99
42) 1,2-Dichloroethane	8.152	62	291766	48.162	ug/l		100
43) Isopropyl Acetate	8.195	43	315013	49.094	ug/l		98
44) Trichloroethene	8.860	130	287745	47.803	ug/l		95
45) 1,2-Dichloropropane	9.140	63	262408	48.961	ug/l		98
46) Dibromomethane	9.225	93	149745	48.679	ug/l		99
47) Bromodichloromethane	9.420	83	391522	49.463	ug/l		98
48) Methyl methacrylate	9.219	41	155118	50.520	ug/l		99
49) 1,4-Dioxane	9.225	88	35050	971.749	ug/l		98
51) 4-Methyl-2-Pentanone	9.993	43	823949	248.943	ug/l		99
52) Toluene	10.164	92	724356	48.963	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	356228	49.699	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	415017	48.965	ug/l		97
55) 1,1,2-Trichloroethane	10.567	97	201146	48.867	ug/l		98
56) Ethyl methacrylate	10.432	69	267458	50.779	ug/l		99
57) 1,3-Dichloropropane	10.713	76	343649	49.228	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	678865	273.240	ug/l		100
59) 2-Hexanone	10.756	43	551743	244.812	ug/l		99
60) Dibromochloromethane	10.908	129	270536	49.810	ug/l		99
61) 1,2-Dibromoethane	11.012	107	190334	49.197	ug/l		100
64) Tetrachloroethene	10.640	164	307456	45.512	ug/l		98
65) Chlorobenzene	11.438	112	787799	48.275	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.512	131	270360	48.815	ug/l		99
67) Ethyl Benzene	11.512	91	1380648	49.163	ug/l		100
68) m/p-Xylenes	11.621	106	1080541	98.515	ug/l		99
69) o-Xylene	11.950	106	509991	49.645	ug/l		99
70) Styrene	11.963	104	852310	50.733	ug/l		99
71) Bromoform	12.127	173	157073	48.525	ug/l	#	98
73) Isopropylbenzene	12.249	105	1327070	49.876	ug/l		100
74) N-amyl acetate	12.066	43	285118	50.529	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.499	83	224206	49.350	ug/l		98
76) 1,2,3-Trichloropropane	12.548	75	167859m	46.136	ug/l		
77) Bromobenzene	12.524	156	311065	49.004	ug/l		99
78) n-propylbenzene	12.591	91	1610911	50.853	ug/l		100
79) 2-Chlorotoluene	12.676	91	905657	49.898	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1094902	50.916	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	74263	49.409	ug/l		98
82) 4-Chlorotoluene	12.774	91	932114	49.505	ug/l		100
83) tert-Butylbenzene	12.993	119	979692	50.443	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	1092616	51.042	ug/l		100
85) sec-Butylbenzene	13.170	105	1459437	51.154	ug/l		100
86) p-Isopropyltoluene	13.286	119	1222900	51.639	ug/l		100
87) 1,3-Dichlorobenzene	13.280	146	621371	49.639	ug/l		98
88) 1,4-Dichlorobenzene	13.359	146	602429	48.514	ug/l		99
89) n-Butylbenzene	13.609	91	1122189	51.594	ug/l		100
90) Hexachloroethane	13.871	117	245386	50.617	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	540506	49.234	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35428	50.085	ug/l		98
93) 1,2,4-Trichlorobenzene	14.913	180	320472	49.363	ug/l		99
94) Hexachlorobutadiene	15.017	225	184430	48.344	ug/l		99
95) Naphthalene	15.139	128	571480	51.623	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	272638	48.735	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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

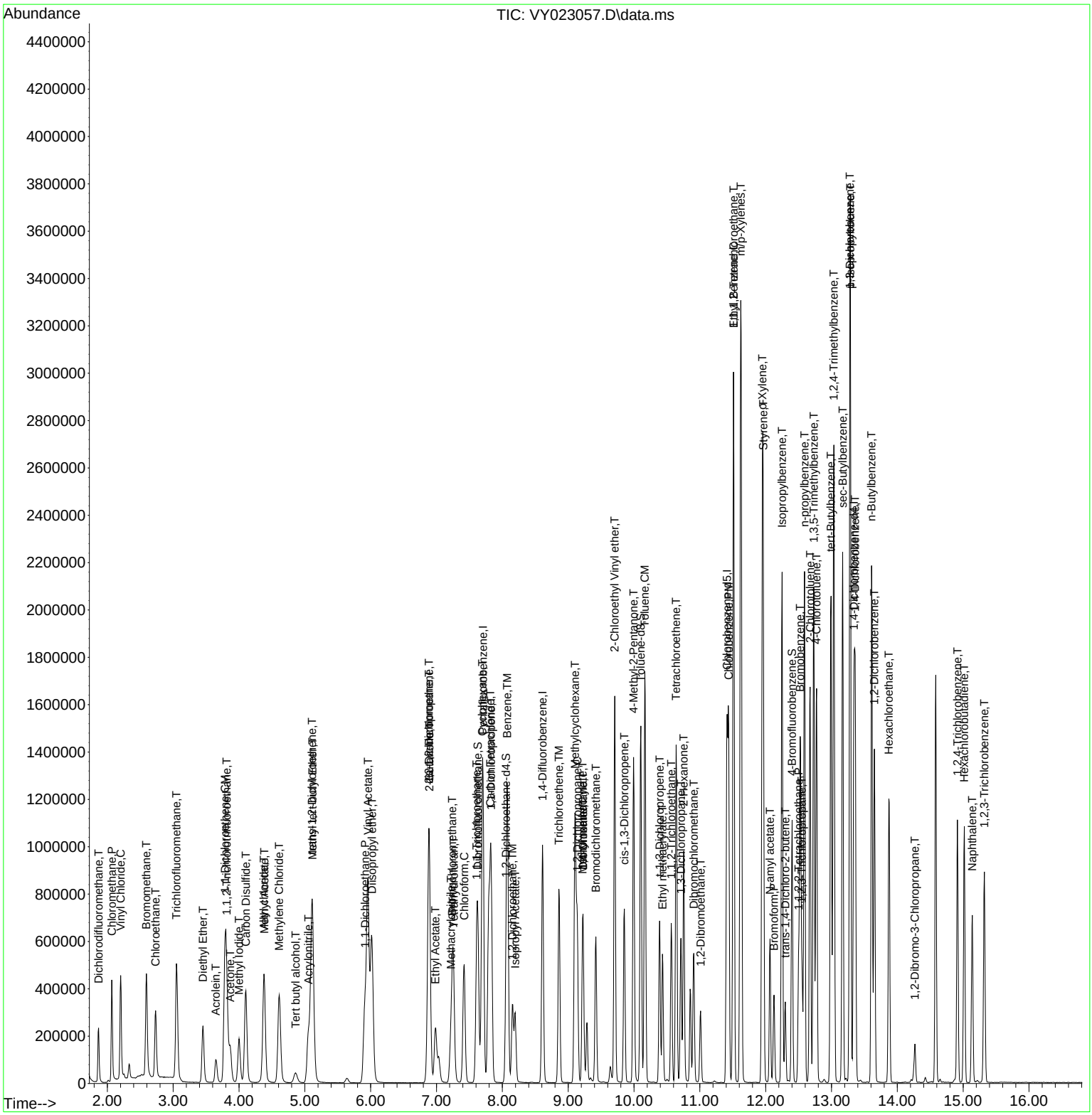
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	98	0.00
2	T	Dichlorodifluoromethane	0.408	0.339	16.9	96	0.00
3	P	Chloromethane	0.661	0.644	2.6	104	0.00
4	C	Vinyl Chloride	0.817	0.788	3.5#	100	0.00
5	T	Bromomethane	0.610	0.573	6.1	104	0.00
6	T	Chloroethane	0.543	0.532	2.0	101	0.00
7	T	Trichlorofluoromethane	0.994	0.934	6.0	98	0.00
8	T	Diethyl Ether	0.263	0.251	4.6	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.490	0.468	4.5	99	0.00
10	T	Methyl Iodide	0.529	0.543	-2.6	97	0.00
11	T	Tert butyl alcohol	0.033	0.032	3.0	99	0.00
12	CM	1,1-Dichloroethene	0.482	0.460	4.6#	97	0.00
13	T	Acrolein	0.048	0.042	12.5	93	0.00
14	T	Allyl chloride	0.709	0.671	5.4	96	0.00
15	T	Acrylonitrile	0.107	0.104	2.8	96	0.00
16	T	Acetone	0.103	0.087	15.5	83	0.00
17	T	Carbon Disulfide	1.571	1.475	6.1	97	0.00
18	T	Methyl Acetate	0.307	0.319	-3.9	97	0.00
19	T	Methyl tert-butyl Ether	1.249	1.246	0.2	99	0.00
20	T	Methylene Chloride	0.620	0.536	13.5	103	0.00
21	T	trans-1,2-Dichloroethene	0.541	0.528	2.4	99	0.00
22	T	Diisopropyl ether	1.541	1.541	0.0	100	0.00
23	T	Vinyl Acetate	0.852	0.826	3.1	96	0.00
24	P	1,1-Dichloroethane	0.942	0.915	2.9	98	0.00
25	T	2-Butanone	0.140	0.129	7.9	89	0.00
26	T	2,2-Dichloropropane	0.813	0.739	9.1	92	0.00
27	T	cis-1,2-Dichloroethene	0.626	0.610	2.6	99	0.00
28	T	Bromochloromethane	0.374	0.376	-0.5	101	0.00
29	T	Tetrahydrofuran	0.087	0.086	1.1	97	0.00
30	C	Chloroform	0.971	0.941	3.1#	98	0.00
31	T	Cyclohexane	0.888	0.826	7.0	99	0.00
32	T	1,1,1-Trichloroethane	0.862	0.844	2.1	99	0.00
33	S	1,2-Dichloroethane-d4	0.477	0.477	0.0	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.299	0.300	-0.3	102	0.00
36	T	1,1-Dichloropropene	0.445	0.429	3.6	98	0.00
37	T	Ethyl Acetate	0.187	0.185	1.1	98	0.00
38	T	Carbon Tetrachloride	0.483	0.464	3.9	99	0.00
39	T	Methylcyclohexane	0.586	0.581	0.9	102	0.00
40	TM	Benzene	1.370	1.327	3.1	99	0.00
41	T	Methacrylonitrile	0.108	0.104	3.7	94	0.00
42	TM	1,2-Dichloroethane	0.356	0.343	3.7	98	0.00
43	T	Isopropyl Acetate	0.378	0.371	1.9	99	0.00
44	TM	Trichloroethene	0.354	0.339	4.2	98	0.00
45	C	1,2-Dichloropropane	0.315	0.309	1.9#	99	0.00
46	T	Dibromomethane	0.181	0.176	2.8	98	0.00
47	T	Bromodichloromethane	0.466	0.461	1.1	99	0.00
48	T	Methyl methacrylate	0.181	0.183	-1.1	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	97	0.00
50	S	Toluene-d8	1.169	1.153	1.4	100	0.00
51	T	4-Methyl-2-Pentanone	0.195	0.194	0.5	97	0.00
52	CM	Toluene	0.870	0.852	2.1#	99	0.00
53	T	t-1,3-Dichloropropene	0.422	0.419	0.7	99	0.00
54	T	cis-1,3-Dichloropropene	0.499	0.488	2.2	98	0.00
55	T	1,1,2-Trichloroethane	0.242	0.237	2.1	98	0.00
56	T	Ethyl methacrylate	0.310	0.315	-1.6	98	0.00
57	T	1,3-Dichloropropane	0.411	0.404	1.7	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.146	0.160	-9.6	102	0.00
59	T	2-Hexanone	0.133	0.130	2.3	94	0.00
60	T	Dibromochloromethane	0.320	0.318	0.6	99	0.00
61	T	1,2-Dibromoethane	0.228	0.224	1.8	98	0.00
62	S	4-Bromofluorobenzene	0.376	0.387	-2.9	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.446	0.406	9.0	94	0.00
65	PM	Chlorobenzene	1.079	1.041	3.5	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.366	0.357	2.5	99	0.00
67	C	Ethyl Benzene	1.856	1.825	1.7#	99	0.00
68	T	m/p-Xylenes	0.725	0.714	1.5	100	0.00
69	T	o-Xylene	0.679	0.674	0.7	99	0.00
70	T	Styrene	1.110	1.127	-1.5	101	0.00
71	P	Bromoform	0.214	0.208	2.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.529	3.520	0.3	100	0.00
74	T	N-amyl acetate	0.748	0.756	-1.1	98	0.00
75	P	1,1,2,2-Tetrachloroethane	0.603	0.595	1.3	102	0.00
76	T	1,2,3-Trichloropropane	0.483	0.445	7.9	83	0.00
77	T	Bromobenzene	0.842	0.825	2.0	99	0.00
78	T	n-propylbenzene	4.201	4.273	-1.7	101	0.00
79	T	2-Chlorotoluene	2.407	2.402	0.2	101	0.00
80	T	1,3,5-Trimethylbenzene	2.852	2.904	-1.8	101	0.00
81	T	trans-1,4-Dichloro-2-butene	0.199	0.197	1.0	100	0.00
82	T	4-Chlorotoluene	2.497	2.473	1.0	100	0.00
83	T	tert-Butylbenzene	2.576	2.599	-0.9	100	0.00
84	T	1,2,4-Trimethylbenzene	2.839	2.898	-2.1	102	0.00
85	T	sec-Butylbenzene	3.784	3.871	-2.3	102	0.00
86	T	p-Isopropyltoluene	3.141	3.244	-3.3	102	0.00
87	T	1,3-Dichlorobenzene	1.660	1.648	0.7	102	0.00
88	T	1,4-Dichlorobenzene	1.647	1.598	3.0	100	0.00
89	T	n-Butylbenzene	2.885	2.977	-3.2	102	0.00
90	T	Hexachloroethane	0.643	0.651	-1.2	103	0.00
91	T	1,2-Dichlorobenzene	1.456	1.434	1.5	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.094	0.094	0.0	99	0.00
93	T	1,2,4-Trichlorobenzene	0.861	0.850	1.3	100	0.00
94	T	Hexachlorobutadiene	0.506	0.489	3.4	99	0.00
95	T	Naphthalene	1.468	1.516	-3.3	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	0.742	0.723	2.6	100	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\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	98	0.00
2	T	Dichlorodifluoromethane	50.000	41.579	16.8	96	0.00
3	P	Chloromethane	50.000	48.732	2.5	104	0.00
4	C	Vinyl Chloride	50.000	48.198	3.6#	100	0.00
5	T	Bromomethane	50.000	46.983	6.0	104	0.00
6	T	Chloroethane	50.000	48.923	2.2	101	0.00
7	T	Trichlorofluoromethane	50.000	47.003	6.0	98	0.00
8	T	Diethyl Ether	50.000	47.787	4.4	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.725	4.5	99	0.00
10	T	Methyl Iodide	50.000	51.340	-2.7	97	0.00
11	T	Tert butyl alcohol	250.000	245.940	1.6	99	0.00
12	CM	1,1-Dichloroethene	50.000	47.686	4.6#	97	0.00
13	T	Acrolein	250.000	222.008	11.2	93	0.00
14	T	Allyl chloride	50.000	47.317	5.4	96	0.00
15	T	Acrylonitrile	250.000	242.779	2.9	96	0.00
16	T	Acetone	250.000	210.695	15.7	83	0.00
17	T	Carbon Disulfide	50.000	46.948	6.1	97	0.00
18	T	Methyl Acetate	50.000	51.972	-3.9	97	0.00
19	T	Methyl tert-butyl Ether	50.000	49.899	0.2	99	0.00
20	T	Methylene Chloride	50.000	49.960	0.1	103	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.765	2.5	99	0.00
22	T	Diisopropyl ether	50.000	50.011	-0.0	100	0.00
23	T	Vinyl Acetate	250.000	242.360	3.1	96	0.00
24	P	1,1-Dichloroethane	50.000	48.551	2.9	98	0.00
25	T	2-Butanone	250.000	230.028	8.0	89	0.00
26	T	2,2-Dichloropropane	50.000	45.475	9.0	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.720	2.6	99	0.00
28	T	Bromochloromethane	50.000	50.275	-0.5	101	0.00
29	T	Tetrahydrofuran	250.000	247.420	1.0	97	0.00
30	C	Chloroform	50.000	48.450	3.1#	98	0.00
31	T	Cyclohexane	50.000	46.526	6.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	48.933	2.1	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.038	-0.1	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	50.179	-0.4	102	0.00
36	T	1,1-Dichloropropene	50.000	48.193	3.6	98	0.00
37	T	Ethyl Acetate	50.000	49.621	0.8	98	0.00
38	T	Carbon Tetrachloride	50.000	48.030	3.9	99	0.00
39	T	Methylcyclohexane	50.000	49.625	0.8	102	0.00
40	TM	Benzene	50.000	48.428	3.1	99	0.00
41	T	Methacrylonitrile	50.000	48.269	3.5	94	0.00
42	TM	1,2-Dichloroethane	50.000	48.162	3.7	98	0.00
43	T	Isopropyl Acetate	50.000	49.094	1.8	99	0.00
44	TM	Trichloroethene	50.000	47.803	4.4	98	0.00
45	C	1,2-Dichloropropane	50.000	48.961	2.1#	99	0.00
46	T	Dibromomethane	50.000	48.679	2.6	98	0.00
47	T	Bromodichloromethane	50.000	49.463	1.1	99	0.00
48	T	Methyl methacrylate	50.000	50.520	-1.0	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	971.749	2.8	97	0.00
50	S	Toluene-d8	50.000	49.306	1.4	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	248.943	0.4	97	0.00
52	CM	Toluene	50.000	48.963	2.1#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	49.699	0.6	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.965	2.1	98	0.00
55	T	1,1,2-Trichloroethane	50.000	48.867	2.3	98	0.00
56	T	Ethyl methacrylate	50.000	50.779	-1.6	98	0.00
57	T	1,3-Dichloropropane	50.000	49.228	1.5	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	273.240	-9.3	102	0.00
59	T	2-Hexanone	250.000	244.812	2.1	94	0.00
60	T	Dibromochloromethane	50.000	49.810	0.4	99	0.00
61	T	1,2-Dibromoethane	50.000	49.197	1.6	98	0.00
62	S	4-Bromofluorobenzene	50.000	51.500	-3.0	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	45.512	9.0	94	0.00
65	PM	Chlorobenzene	50.000	48.275	3.5	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.815	2.4	99	0.00
67	C	Ethyl Benzene	50.000	49.163	1.7#	99	0.00
68	T	m/p-Xylenes	100.000	98.515	1.5	100	0.00
69	T	o-Xylene	50.000	49.645	0.7	99	0.00
70	T	Styrene	50.000	50.733	-1.5	101	0.00
71	P	Bromoform	50.000	48.525	3.0	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	49.876	0.2	100	0.00
74	T	N-amyl acetate	50.000	50.529	-1.1	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.350	1.3	102	0.00
76	T	1,2,3-Trichloropropane	50.000	46.136	7.7	83	0.00
77	T	Bromobenzene	50.000	49.004	2.0	99	0.00
78	T	n-propylbenzene	50.000	50.853	-1.7	101	0.00
79	T	2-Chlorotoluene	50.000	49.898	0.2	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.916	-1.8	101	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.409	1.2	100	0.00
82	T	4-Chlorotoluene	50.000	49.505	1.0	100	0.00
83	T	tert-Butylbenzene	50.000	50.443	-0.9	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.042	-2.1	102	0.00
85	T	sec-Butylbenzene	50.000	51.154	-2.3	102	0.00
86	T	p-Isopropyltoluene	50.000	51.639	-3.3	102	0.00
87	T	1,3-Dichlorobenzene	50.000	49.639	0.7	102	0.00
88	T	1,4-Dichlorobenzene	50.000	48.514	3.0	100	0.00
89	T	n-Butylbenzene	50.000	51.594	-3.2	102	0.00
90	T	Hexachloroethane	50.000	50.617	-1.2	103	0.00
91	T	1,2-Dichlorobenzene	50.000	49.234	1.5	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.085	-0.2	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.363	1.3	100	0.00
94	T	Hexachlorobutadiene	50.000	48.344	3.3	99	0.00
95	T	Naphthalene	50.000	51.623	-3.2	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	48.735	2.5	100	0.00

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

Raw Data: **VY023278.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: SCIA01
Lab Code: ACE
SDG No.: Q3012
Instrument ID: MSVOA_Y
Calibration Date/Time: 09/04/2025 08:56
Lab File ID: VY023278.D
Init. Calib. Date(s): 08/12/2025 08/12/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:54 16:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.333		-18.38	20
Chloromethane	0.661	0.543	0.1	-17.85	20
Vinyl Chloride	0.817	0.709		-13.22	20
Bromomethane	0.610	0.560		-8.2	20
Chloroethane	0.543	0.505		-7	20
Trichlorofluoromethane	0.994	0.935		-5.94	20
1,1,2-Trichlorotrifluoroethane	0.490	0.504		2.86	20
1,1-Dichloroethene	0.482	0.475		-1.45	20
Acetone	0.103	0.124		20.39	20
Carbon Disulfide	1.571	1.397		-11.08	20
Methyl tert-butyl Ether	1.249	1.231		-1.44	20
Methyl Acetate	0.307	0.320		4.24	20
Methylene Chloride	0.620	0.559		-9.84	20
trans-1,2-Dichloroethene	0.541	0.553		2.22	20
1,1-Dichloroethane	0.942	0.938	0.1	-0.43	20
Cyclohexane	0.888	0.757		-14.75	20
2-Butanone	0.140	0.146		4.29	20
Carbon Tetrachloride	0.483	0.547		13.25	20
cis-1,2-Dichloroethene	0.626	0.643		2.72	20
Bromochloromethane	0.374	0.359		-4.01	20
Chloroform	0.971	1.013		4.32	20
1,1,1-Trichloroethane	0.862	0.884		2.55	20
Methylcyclohexane	0.586	0.596		1.71	20
Benzene	1.370	1.487		8.54	20
1,2-Dichloroethane	0.356	0.382		7.3	20
Trichloroethene	0.354	0.403		13.84	20
1,2-Dichloropropane	0.315	0.340		7.94	20
Bromodichloromethane	0.466	0.524		12.45	20
4-Methyl-2-Pentanone	0.195	0.210		7.69	20
Toluene	0.870	0.964		10.81	20
t-1,3-Dichloropropene	0.422	0.462		9.48	20
cis-1,3-Dichloropropene	0.499	0.542		8.62	20
1,1,2-Trichloroethane	0.242	0.281		16.12	20
2-Hexanone	0.133	0.150		12.78	20
Dibromochloromethane	0.320	0.384		20	20
1,2-Dibromoethane	0.228	0.267		17.1	20
Tetrachloroethene	0.446	0.523		17.26	20
Chlorobenzene	1.079	1.192	0.3	10.47	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: **VY023278.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	SCIA01
Lab Code:	ACE	SDG No.:	Q3012
Instrument ID:	MSVOA_Y	Calibration Date/Time:	09/04/2025 08:56
Lab File ID:	VY023278.D	Init. Calib. Date(s):	08/12/2025 08/12/2025
Heated Purge: (Y/N)	Y	Init. Calib. Time(s):	14:54 16:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.856	2.016		8.62	20
m/p-Xylenes	0.725	0.805		11.03	20
o-Xylene	0.679	0.755		11.19	20
Styrene	1.110	1.277		15.05	20
Bromoform	0.214	0.259	0.1	21.03	20
Isopropylbenzene	3.529	3.778		7.06	20
1,1,2,2-Tetrachloroethane	0.603	0.639	0.3	5.97	20
1,3-Dichlorobenzene	1.660	1.856		11.81	20
1,4-Dichlorobenzene	1.647	1.812		10.02	20
1,2-Dichlorobenzene	1.456	1.618		11.13	20
1,2-Dibromo-3-Chloropropane	0.094	0.099		5.32	20
1,2,4-Trichlorobenzene	0.861	0.928		7.78	20
1,2,3-Trichlorobenzene	0.742	0.815		9.84	20
1,2-Dichloroethane-d4	0.477	0.450		-5.66	20
Dibromofluoromethane	0.299	0.327		9.36	20
Toluene-d8	1.169	1.223		4.62	20
4-Bromofluorobenzene	0.376	0.399		6.12	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023278.D
Acq On : 04 Sep 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025

Quant Time: Sep 05 04:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	483459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	713989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	643958	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	332706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	217560	47.217	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163			Recovery = 94.440%		
35) Dibromofluoromethane	7.640	113	233698	54.701	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147			Recovery = 109.400%		
50) Toluene-d8	10.109	98	873119	52.314	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134			Recovery = 104.620%		
62) 4-Bromofluorobenzene	12.408	95	284561	53.016	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143			Recovery = 106.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	161097	40.823	ug/l	99
3) Chloromethane	2.074	50	262568	41.080	ug/l	99
4) Vinyl Chloride	2.208	62	342795	43.386	ug/l	98
5) Bromomethane	2.598	94	270707	45.877	ug/l	97
6) Chloroethane	2.739	64	244115	46.473	ug/l	98
7) Trichlorofluoromethane	3.056	101	452038	47.052	ug/l	99
8) Diethyl Ether	3.458	74	124371	48.931	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	243594	51.394	ug/l	97
10) Methyl Iodide	4.007	142	292770	57.243	ug/l	99
11) Tert butyl alcohol	4.860	59	91890	291.054	ug/l	100
12) 1,1-Dichloroethene	3.793	96	229852	49.337	ug/l	91
13) Acrolein	3.659	56	16523	35.736	ug/l	97
14) Allyl chloride	4.391	41	303151	44.222	ug/l	97
15) Acrylonitrile	5.061	53	258176	249.844	ug/l	99
16) Acetone	3.873	43	299716	300.247	ug/l	99
17) Carbon Disulfide	4.110	76	675291	44.454	ug/l	99
18) Methyl Acetate	4.391	43	154926	52.154	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	595291	49.310	ug/l	100
20) Methylene Chloride	4.616	84	270314	52.234	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	267495	51.092	ug/l	94
22) Diisopropyl ether	6.025	45	711056	47.734	ug/l	98
23) Vinyl Acetate	5.964	43	1933715	234.762	ug/l	97
24) 1,1-Dichloroethane	5.921	63	453602	49.806	ug/l	99
25) 2-Butanone	6.896	43	352464	259.616	ug/l	96
26) 2,2-Dichloropropane	6.890	77	404719	51.500	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	310726	51.338	ug/l	95
28) Bromochloromethane	7.250	49	173514	48.021	ug/l	89
29) Tetrahydrofuran	7.262	42	203820	242.198	ug/l	95
30) Chloroform	7.421	83	489829	52.150	ug/l	99
31) Cyclohexane	7.707	56	365886	42.632	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	427235	51.263	ug/l	99
36) 1,1-Dichloropropene	7.835	75	334996	52.762	ug/l	97
37) Ethyl Acetate	6.988	43	140770	52.780	ug/l	99
38) Carbon Tetrachloride	7.823	117	390218	56.585	ug/l	98
39) Methylcyclohexane	9.109	83	425867	50.934	ug/l	98
40) Benzene	8.085	78	1061475	54.242	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023278.D
Acq On : 04 Sep 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 04:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	68264	44.349	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	272565	53.554	ug/l		100
43) Isopropyl Acetate	8.201	43	269795	50.048	ug/l	#	83
44) Trichloroethene	8.866	130	287850	56.920	ug/l		100
45) 1,2-Dichloropropane	9.140	63	242878	53.941	ug/l		99
46) Dibromomethane	9.231	93	148164	57.330	ug/l		97
47) Bromodichloromethane	9.426	83	374082	56.253	ug/l		98
48) Methyl methacrylate	9.225	41	131907	51.135	ug/l		94
49) 1,4-Dioxane	9.231	88	33462	1104.254	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	750860	270.028	ug/l		98
52) Toluene	10.170	92	688223	55.373	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	329529	54.722	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	386812	54.322	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	200410	57.952	ug/l		99
56) Ethyl methacrylate	10.438	69	243081	54.932	ug/l		96
57) 1,3-Dichloropropane	10.719	76	324148	55.270	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	517217	247.791	ug/l		96
59) 2-Hexanone	10.762	43	535953	283.057	ug/l		98
60) Dibromochloromethane	10.914	129	274099	60.069	ug/l		100
61) 1,2-Dibromoethane	11.018	107	190399	58.579	ug/l		99
64) Tetrachloroethene	10.646	164	337069	58.619	ug/l		99
65) Chlorobenzene	11.444	112	767280	55.239	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	270985	57.483	ug/l		98
67) Ethyl Benzene	11.518	91	1298180	54.309	ug/l		98
68) m/p-Xylenes	11.627	106	1036399	111.012	ug/l		96
69) o-Xylene	11.956	106	485868	55.566	ug/l		98
70) Styrene	11.969	104	822156	57.495	ug/l		98
71) Bromoform	12.133	173	167005	60.614	ug/l		99
73) Isopropylbenzene	12.255	105	1257024	53.531	ug/l		99
74) N-amyl acetate	12.072	43	241285	48.453	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	212596	53.023	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	161411m	50.269	ug/l		
77) Bromobenzene	12.530	156	311079	55.529	ug/l		95
78) n-propylbenzene	12.597	91	1488773	53.252	ug/l		98
79) 2-Chlorotoluene	12.682	91	847253	52.893	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	1028627	54.201	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	69895	52.692	ug/l		96
82) 4-Chlorotoluene	12.779	91	877073	52.782	ug/l		97
83) tert-Butylbenzene	12.999	119	921802	53.780	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	1030922	54.570	ug/l		99
85) sec-Butylbenzene	13.176	105	1361057	54.056	ug/l		99
86) p-Isopropyltoluene	13.292	119	1164385	55.713	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	617460	55.892	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	602995	55.023	ug/l		99
89) n-Butylbenzene	13.615	91	1028462	53.579	ug/l		99
90) Hexachloroethane	13.883	117	236009	55.163	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	538284	55.558	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32776	52.503	ug/l		92
93) 1,2,4-Trichlorobenzene	14.919	180	308793	53.895	ug/l		98
94) Hexachlorobutadiene	15.023	225	191610	56.912	ug/l		99
95) Naphthalene	15.145	128	527802	54.023	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	271321	54.955	ug/l		99

Sample Results: **VY023278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023278.D
Acq On : 04 Sep 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 04:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025

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

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

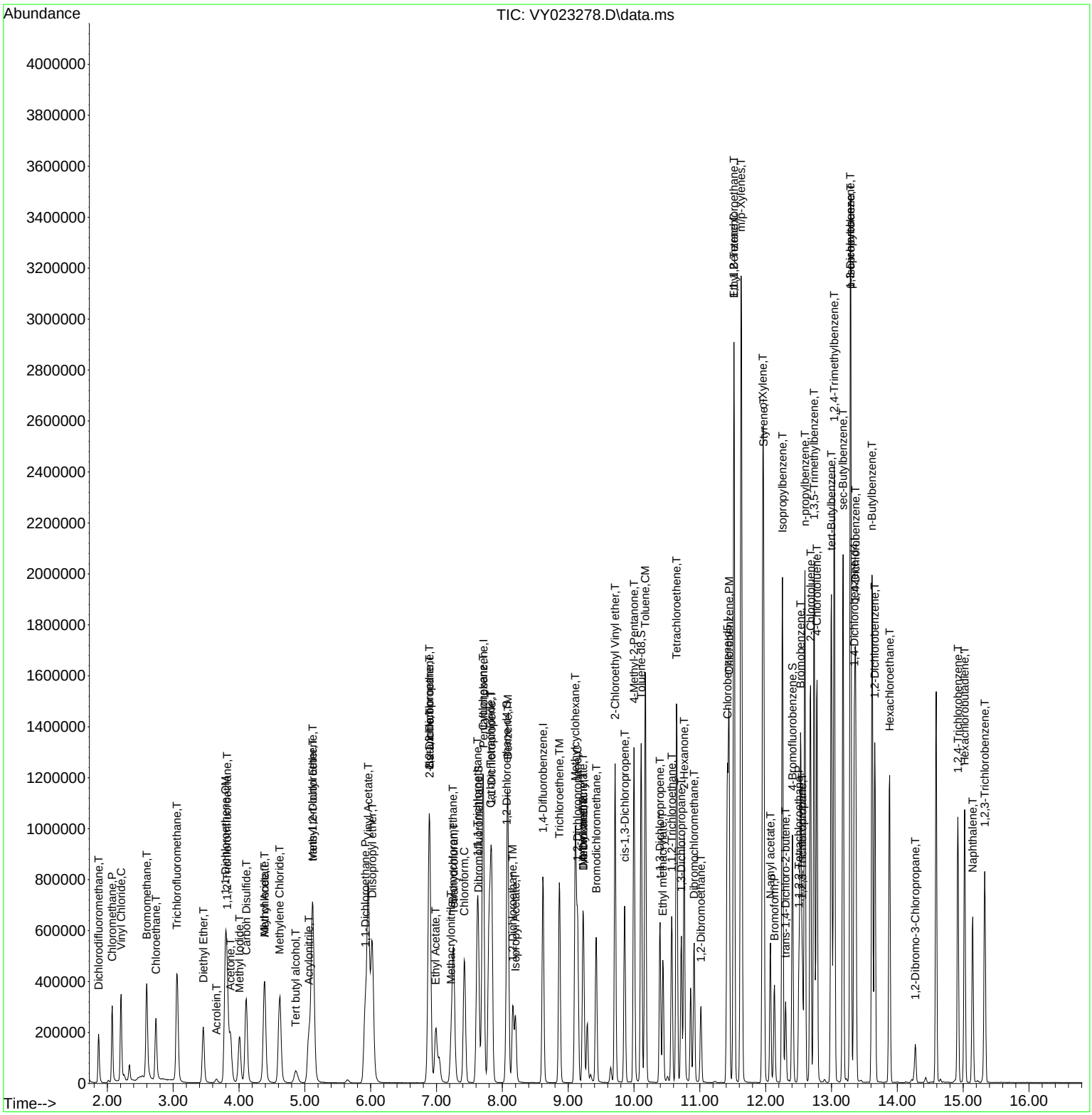
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023278.D
Acq On : 04 Sep 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 04:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025



Sample Results: **VY023278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023278.D
Acq On : 04 Sep 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 05 04:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	90	0.00
2	T	Dichlorodifluoromethane	0.408	0.333	18.4	86	0.00
3	P	Chloromethane	0.661	0.543	17.9	80	0.00
4	C	Vinyl Chloride	0.817	0.709	13.2#	83	0.01
5	T	Bromomethane	0.610	0.560	8.2	93	0.00
6	T	Chloroethane	0.543	0.505	7.0	88	0.01
7	T	Trichlorofluoromethane	0.994	0.935	5.9	89	0.00
8	T	Diethyl Ether	0.263	0.257	2.3	92	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.490	0.504	-2.9	98	0.01
10	T	Methyl Iodide	0.529	0.606	-14.6	99	0.01
11	T	Tert butyl alcohol	0.033	0.038	-15.2	107	0.00
12	CM	1,1-Dichloroethene	0.482	0.475	1.5#	92	0.01
13	T	Acrolein	0.048	0.007	85.4#	14#	0.01
14	T	Allyl chloride	0.709	0.627	11.6	82	0.01
15	T	Acrylonitrile	0.107	0.107	0.0	90	0.01
16	T	Acetone	0.103	0.124	-20.4	108	0.01
17	T	Carbon Disulfide	1.571	1.397	11.1	84	0.01
18	T	Methyl Acetate	0.307	0.320	-4.2	89	0.01
19	T	Methyl tert-butyl Ether	1.249	1.231	1.4	89	0.01
20	T	Methylene Chloride	0.620	0.559	9.8	98	0.01
21	T	trans-1,2-Dichloroethene	0.541	0.553	-2.2	95	0.02
22	T	Diisopropyl ether	1.541	1.471	4.5	87	0.00
23	T	Vinyl Acetate	0.852	0.800	6.1	85	0.01
24	P	1,1-Dichloroethane	0.942	0.938	0.4	92	0.01
25	T	2-Butanone	0.140	0.146	-4.3	92	0.01
26	T	2,2-Dichloropropane	0.813	0.837	-3.0	95	0.00
27	T	cis-1,2-Dichloroethene	0.626	0.643	-2.7	95	0.00
28	T	Bromochloromethane	0.374	0.359	4.0	88	0.00
29	T	Tetrahydrofuran	0.087	0.084	3.4	87	0.00
30	C	Chloroform	0.971	1.013	-4.3#	96	0.00
31	T	Cyclohexane	0.888	0.757	14.8	83	0.01
32	T	1,1,1-Trichloroethane	0.862	0.884	-2.6	95	0.00
33	S	1,2-Dichloroethane-d4	0.477	0.450	5.7	87	0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
35	S	Dibromofluoromethane	0.299	0.327	-9.4	93	0.01
36	T	1,1-Dichloropropene	0.445	0.469	-5.4	90	0.00
37	T	Ethyl Acetate	0.187	0.197	-5.3	87	0.00
38	T	Carbon Tetrachloride	0.483	0.547	-13.3	98	0.00
39	T	Methylcyclohexane	0.586	0.596	-1.7	88	0.00
40	TM	Benzene	1.370	1.487	-8.5	93	0.01
41	T	Methacrylonitrile	0.108	0.096	11.1	73	0.00
42	TM	1,2-Dichloroethane	0.356	0.382	-7.3	92	0.00
43	T	Isopropyl Acetate	0.378	0.378	0.0	84	0.00
44	TM	Trichloroethene	0.354	0.403	-13.8	98	0.00
45	C	1,2-Dichloropropane	0.315	0.340	-7.9#	92	0.00
46	T	Dibromomethane	0.181	0.208	-14.9	97	0.00
47	T	Bromodichloromethane	0.466	0.524	-12.4	95	0.00
48	T	Methyl methacrylate	0.181	0.185	-2.2	82	0.01

Sample Results: **VY023278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023278.D
Acq On : 04 Sep 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 05 04:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	92	0.00
50	S	Toluene-d8	1.169	1.223	-4.6	89	0.00
51	T	4-Methyl-2-Pentanone	0.195	0.210	-7.7	88	0.00
52	CM	Toluene	0.870	0.964	-10.8#	94	0.00
53	T	t-1,3-Dichloropropene	0.422	0.462	-9.5	92	0.00
54	T	cis-1,3-Dichloropropene	0.499	0.542	-8.6	91	0.00
55	T	1,1,2-Trichloroethane	0.242	0.281	-16.1	98	0.00
56	T	Ethyl methacrylate	0.310	0.340	-9.7	89	0.00
57	T	1,3-Dichloropropane	0.411	0.454	-10.5	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.146	0.145	0.7	78	0.00
59	T	2-Hexanone	0.133	0.150	-12.8	92	0.00
60	T	Dibromochloromethane	0.320	0.384	-20.0	101	0.00
61	T	1,2-Dibromoethane	0.228	0.267	-17.1	98	0.01
62	S	4-Bromofluorobenzene	0.376	0.399	-6.1	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.01
64	T	Tetrachloroethene	0.446	0.523	-17.3	103	0.00
65	PM	Chlorobenzene	1.079	1.192	-10.5	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.366	0.421	-15.0	100	0.00
67	C	Ethyl Benzene	1.856	2.016	-8.6#	93	0.00
68	T	m/p-Xylenes	0.725	0.805	-11.0	96	0.00
69	T	o-Xylene	0.679	0.755	-11.2	94	0.00
70	T	Styrene	1.110	1.277	-15.0	97	0.00
71	P	Bromoform	0.214	0.259	-21.0	104	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.529	3.778	-7.1	95	0.00
74	T	N-amyl acetate	0.748	0.725	3.1	83	0.00
75	P	1,1,2,2-Tetrachloroethane	0.603	0.639	-6.0	96	0.00
76	T	1,2,3-Trichloropropane	0.483	0.485	-0.4	80	0.00
77	T	Bromobenzene	0.842	0.935	-11.0	99	0.00
78	T	n-propylbenzene	4.201	4.475	-6.5	93	0.00
79	T	2-Chlorotoluene	2.407	2.547	-5.8	94	0.01
80	T	1,3,5-Trimethylbenzene	2.852	3.092	-8.4	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.199	0.210	-5.5	94	0.00
82	T	4-Chlorotoluene	2.497	2.636	-5.6	94	0.01
83	T	tert-Butylbenzene	2.576	2.771	-7.6	94	0.00
84	T	1,2,4-Trimethylbenzene	2.839	3.099	-9.2	96	0.00
85	T	sec-Butylbenzene	3.784	4.091	-8.1	95	0.00
86	T	p-Isopropyltoluene	3.141	3.500	-11.4	97	0.00
87	T	1,3-Dichlorobenzene	1.660	1.856	-11.8	102	0.00
88	T	1,4-Dichlorobenzene	1.647	1.812	-10.0	100	0.00
89	T	n-Butylbenzene	2.885	3.091	-7.1	94	0.00
90	T	Hexachloroethane	0.643	0.709	-10.3	99	0.01
91	T	1,2-Dichlorobenzene	1.456	1.618	-11.1	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.094	0.099	-5.3	91	0.00
93	T	1,2,4-Trichlorobenzene	0.861	0.928	-7.8	96	0.00
94	T	Hexachlorobutadiene	0.506	0.576	-13.8	103	0.00
95	T	Naphthalene	1.468	1.586	-8.0	94	0.00

Sample Results: **VY023278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023278.D
Acq On : 04 Sep 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 05 04:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	0.742	0.815	-9.8	100	0.00

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

Sample Results: **VY023278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023278.D
Acq On : 04 Sep 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 05 04:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	90	0.00
2	T	Dichlorodifluoromethane	50.000	40.823	18.4	86	0.00
3	P	Chloromethane	50.000	41.080	17.8	80	0.00
4	C	Vinyl Chloride	50.000	43.386	13.2#	83	0.01
5	T	Bromomethane	50.000	45.877	8.2	93	0.00
6	T	Chloroethane	50.000	46.473	7.1	88	0.01
7	T	Trichlorofluoromethane	50.000	47.052	5.9	89	0.00
8	T	Diethyl Ether	50.000	48.931	2.1	92	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.394	-2.8	98	0.01
10	T	Methyl Iodide	50.000	57.243	-14.5	99	0.01
11	T	Tert butyl alcohol	250.000	291.054	-16.4	107	0.00
12	CM	1,1-Dichloroethene	50.000	49.337	1.3#	92	0.01
13	T	Acrolein	250.000	35.736	85.7#	14	0.01
14	T	Allyl chloride	50.000	44.222	11.6	82	0.01
15	T	Acrylonitrile	250.000	249.844	0.1	90	0.01
16	T	Acetone	250.000	300.247	-20.1	108	0.01
17	T	Carbon Disulfide	50.000	44.454	11.1	84	0.01
18	T	Methyl Acetate	50.000	52.154	-4.3	89	0.01
19	T	Methyl tert-butyl Ether	50.000	49.310	1.4	89	0.01
20	T	Methylene Chloride	50.000	52.234	-4.5	98	0.01
21	T	trans-1,2-Dichloroethene	50.000	51.092	-2.2	95	0.02
22	T	Diisopropyl ether	50.000	47.734	4.5	87	0.00
23	T	Vinyl Acetate	250.000	234.762	6.1	85	0.01
24	P	1,1-Dichloroethane	50.000	49.806	0.4	92	0.01
25	T	2-Butanone	250.000	259.616	-3.8	92	0.01
26	T	2,2-Dichloropropane	50.000	51.500	-3.0	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.338	-2.7	95	0.00
28	T	Bromochloromethane	50.000	48.021	4.0	88	0.00
29	T	Tetrahydrofuran	250.000	242.198	3.1	87	0.00
30	C	Chloroform	50.000	52.150	-4.3#	96	0.00
31	T	Cyclohexane	50.000	42.632	14.7	83	0.01
32	T	1,1,1-Trichloroethane	50.000	51.263	-2.5	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.217	5.6	87	0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	83	0.00
35	S	Dibromofluoromethane	50.000	54.701	-9.4	93	0.01
36	T	1,1-Dichloropropene	50.000	52.762	-5.5	90	0.00
37	T	Ethyl Acetate	50.000	52.780	-5.6	87	0.00
38	T	Carbon Tetrachloride	50.000	56.585	-13.2	98	0.00
39	T	Methylcyclohexane	50.000	50.934	-1.9	88	0.00
40	TM	Benzene	50.000	54.242	-8.5	93	0.01
41	T	Methacrylonitrile	50.000	44.349	11.3	73	0.00
42	TM	1,2-Dichloroethane	50.000	53.554	-7.1	92	0.00
43	T	Isopropyl Acetate	50.000	50.048	-0.1	84	0.00
44	TM	Trichloroethene	50.000	56.920	-13.8	98	0.00
45	C	1,2-Dichloropropane	50.000	53.941	-7.9#	92	0.00
46	T	Dibromomethane	50.000	57.330	-14.7	97	0.00
47	T	Bromodichloromethane	50.000	56.253	-12.5	95	0.00
48	T	Methyl methacrylate	50.000	51.135	-2.3	82	0.01

Sample Results: **VY023278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023278.D
Acq On : 04 Sep 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 05 04:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	1104.254	-10.4	92	0.00
50	S	Toluene-d8	50.000	52.314	-4.6	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	270.028	-8.0	88	0.00
52	CM	Toluene	50.000	55.373	-10.7#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	54.722	-9.4	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.322	-8.6	91	0.00
55	T	1,1,2-Trichloroethane	50.000	57.952	-15.9	98	0.00
56	T	Ethyl methacrylate	50.000	54.932	-9.9	89	0.00
57	T	1,3-Dichloropropane	50.000	55.270	-10.5	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.791	0.9	78	0.00
59	T	2-Hexanone	250.000	283.057	-13.2	92	0.00
60	T	Dibromochloromethane	50.000	60.069	-20.1	101	0.00
61	T	1,2-Dibromoethane	50.000	58.579	-17.2	98	0.01
62	S	4-Bromofluorobenzene	50.000	53.016	-6.0	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.01
64	T	Tetrachloroethene	50.000	58.619	-17.2	103	0.00
65	PM	Chlorobenzene	50.000	55.239	-10.5	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.483	-15.0	100	0.00
67	C	Ethyl Benzene	50.000	54.309	-8.6#	93	0.00
68	T	m/p-Xylenes	100.000	111.012	-11.0	96	0.00
69	T	o-Xylene	50.000	55.566	-11.1	94	0.00
70	T	Styrene	50.000	57.495	-15.0	97	0.00
71	P	Bromoform	50.000	60.614	-21.2	104	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	53.531	-7.1	95	0.00
74	T	N-amyl acetate	50.000	48.453	3.1	83	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.023	-6.0	96	0.00
76	T	1,2,3-Trichloropropane	50.000	50.269	-0.5	80	0.00
77	T	Bromobenzene	50.000	55.529	-11.1	99	0.00
78	T	n-propylbenzene	50.000	53.252	-6.5	93	0.00
79	T	2-Chlorotoluene	50.000	52.893	-5.8	94	0.01
80	T	1,3,5-Trimethylbenzene	50.000	54.201	-8.4	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.692	-5.4	94	0.00
82	T	4-Chlorotoluene	50.000	52.782	-5.6	94	0.01
83	T	tert-Butylbenzene	50.000	53.780	-7.6	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.570	-9.1	96	0.00
85	T	sec-Butylbenzene	50.000	54.056	-8.1	95	0.00
86	T	p-Isopropyltoluene	50.000	55.713	-11.4	97	0.00
87	T	1,3-Dichlorobenzene	50.000	55.892	-11.8	102	0.00
88	T	1,4-Dichlorobenzene	50.000	55.023	-10.0	100	0.00
89	T	n-Butylbenzene	50.000	53.579	-7.2	94	0.00
90	T	Hexachloroethane	50.000	55.163	-10.3	99	0.01
91	T	1,2-Dichlorobenzene	50.000	55.558	-11.1	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.503	-5.0	91	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.895	-7.8	96	0.00
94	T	Hexachlorobutadiene	50.000	56.912	-13.8	103	0.00
95	T	Naphthalene	50.000	54.023	-8.0	94	0.00

Sample Results: **VY023278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023278.D
Acq On : 04 Sep 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 05 04:21:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	54.955	-9.9	100	0.00

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

QC SAMPLE DATA

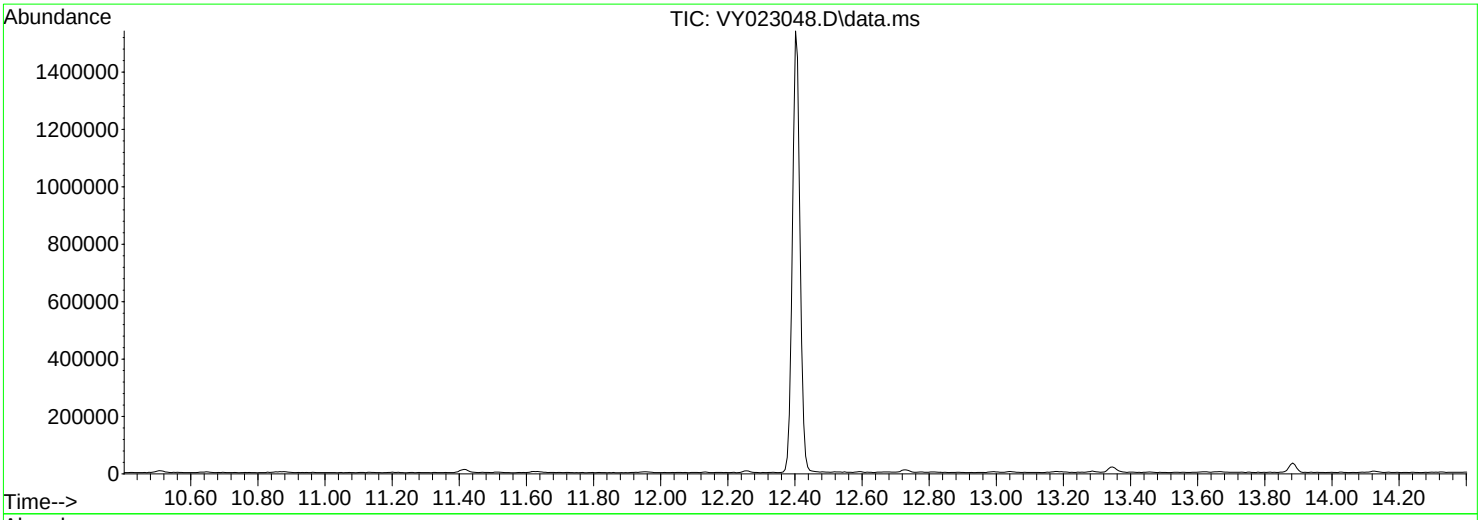
Sample Results: **VY023048.D**

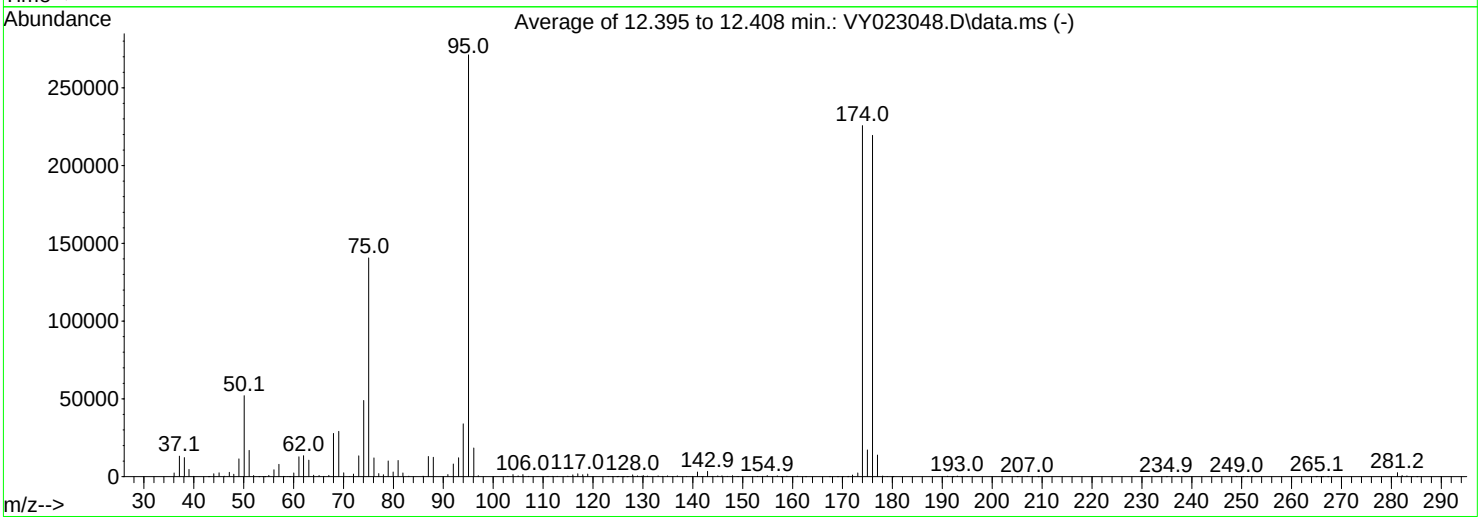
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023048.D
Acq On : 12 Aug 2025 08:26
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260
Last Update : Wed Aug 13 02:10:11 2025





AutoFind: Scans 1751, 1752, 1753; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	52107	PASS
75	95	30	60	51.9	140677	PASS
95	95	100	100	100.0	271211	PASS
96	95	5	9	6.8	18415	PASS
173	174	0.00	2	1.1	2383	PASS
174	95	50	100	83.2	225707	PASS
175	174	5	9	7.6	17158	PASS
176	174	95	101	97.2	219435	PASS
177	176	5	9	6.4	13937	PASS

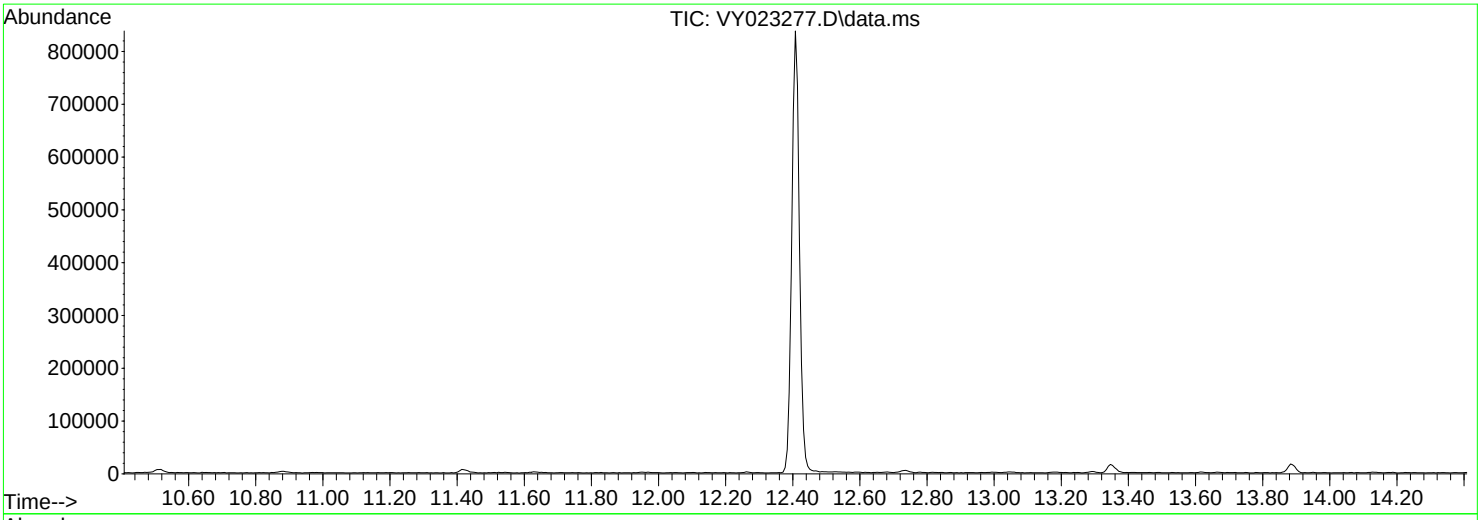
Sample Results: **VY023277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023277.D
Acq On : 04 Sep 2025 08:26
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\82Y081225S.M
Title : SW846 8260
Last Update : Wed Aug 13 02:10:11 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	18.0	25877	PASS
75	95	30	60	50.3	72237	PASS
95	95	100	100	100.0	143552	PASS
96	95	5	9	6.5	9277	PASS
173	174	0.00	2	1.4	1837	PASS
174	95	50	100	91.8	131848	PASS
175	174	5	9	7.4	9794	PASS
176	174	95	101	95.6	126016	PASS
177	176	5	9	6.1	7732	PASS

Raw Data: **VY023279.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	VY0904SBL01	SDG No.:	Q3012
Lab Sample ID:	VY0904SBL01	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
VY023279.D	1	09/04/25 09:31	VY090425

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: **VY023279.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	VY0904SBL01	SDG No.:	Q3012
Lab Sample ID:	VY0904SBL01	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
VY023279.D	1	09/04/25 09:31	VY090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		63 - 155	109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		70 - 134	110%	SPK: 50
2037-26-5	Toluene-d8	51.0		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		17 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	598000	7.713			
540-36-3	1,4-Difluorobenzene	1130000	8.616			
3114-55-4	Chlorobenzene-d5	1030000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	415000	13.346			

Raw Data: **VY023279.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	VY0904SBL01	SDG No.:	Q3012
Lab Sample ID:	VY0904SBL01	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
VY023279.D	1	09/04/25 09:31	VY090425

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\VY090425\
Data File : VY023279.D
Acq On : 04 Sep 2025 09:31
Operator : SY/MD
Sample : VY0904SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

Quant Time: Sep 05 04:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

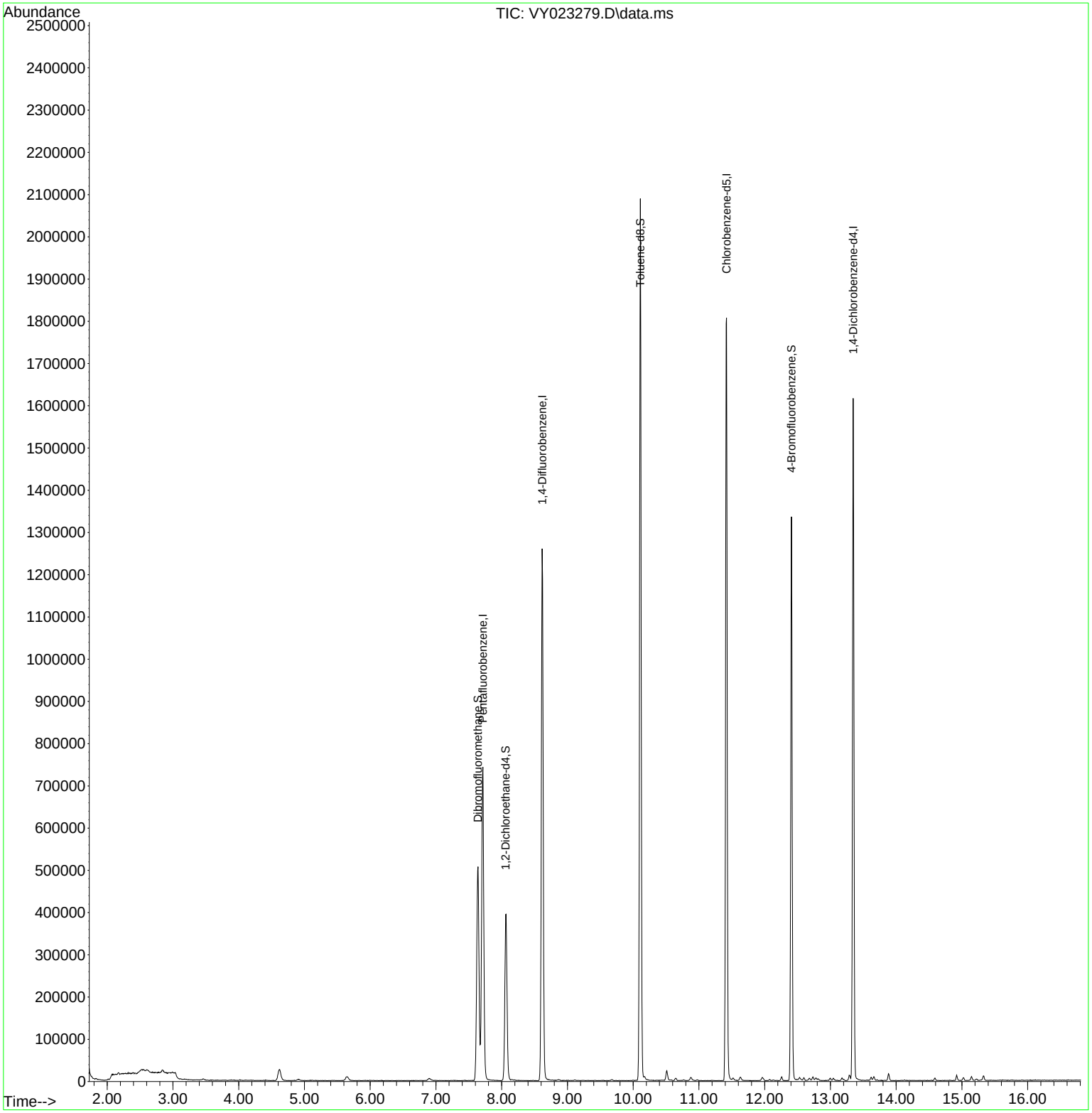
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	597742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1129657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1027478	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	414652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	311016	54.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.180%			
35) Dibromofluoromethane	7.640	113	370357	54.791	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.580%			
50) Toluene-d8	10.109	98	1347973	51.047	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.100%			
62) 4-Bromofluorobenzene	12.408	95	392829	46.257	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.520%			
Target Compounds						Qvalue

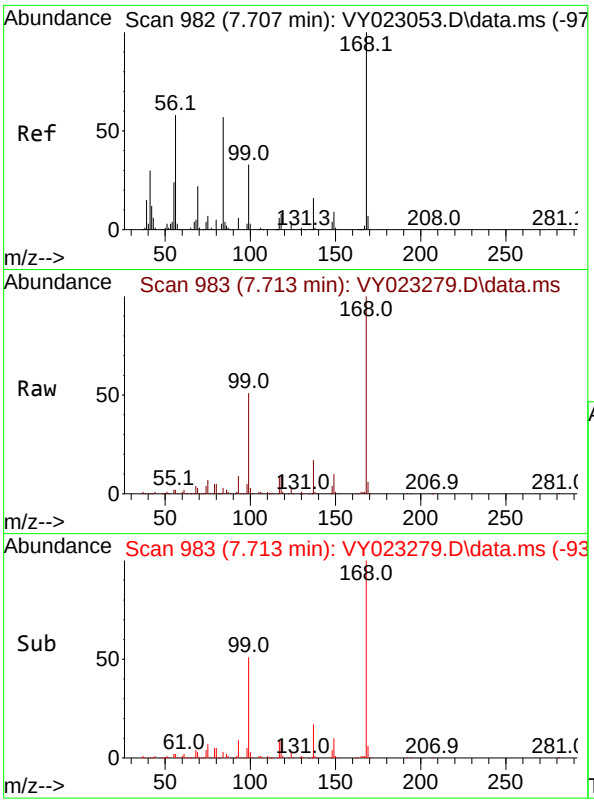
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023279.D
Acq On : 04 Sep 2025 09:31
Operator : SY/MD
Sample : VY0904SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

Quant Time: Sep 05 04:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



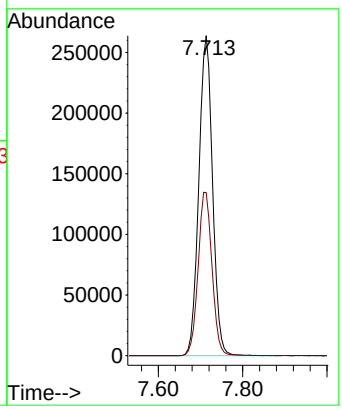


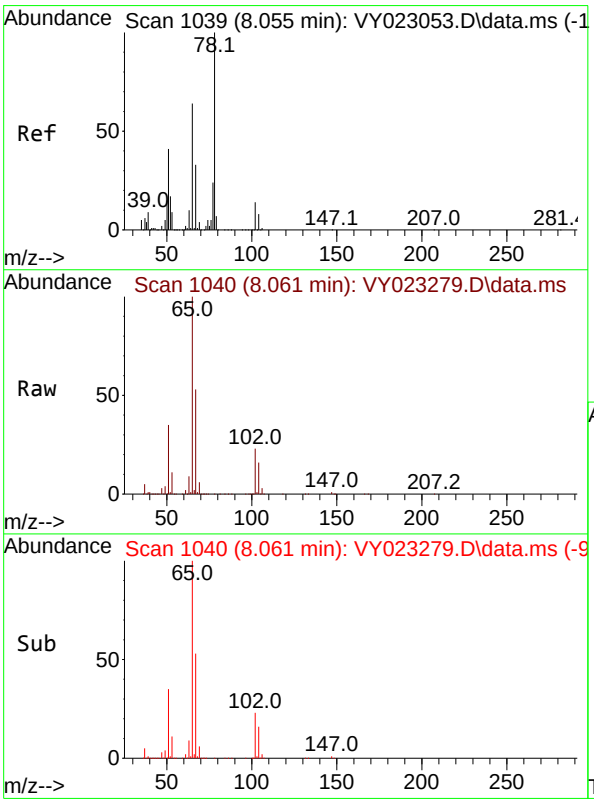
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

Tgt Ion:168 Resp: 597742

Ion	Ratio	Lower	Upper
168	100		
99	50.9	42.8	64.2

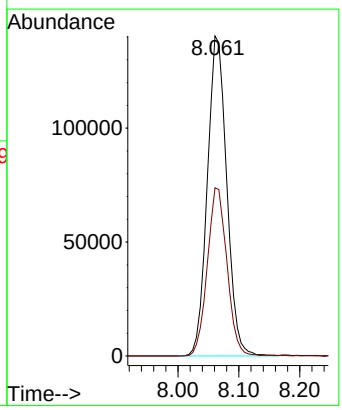


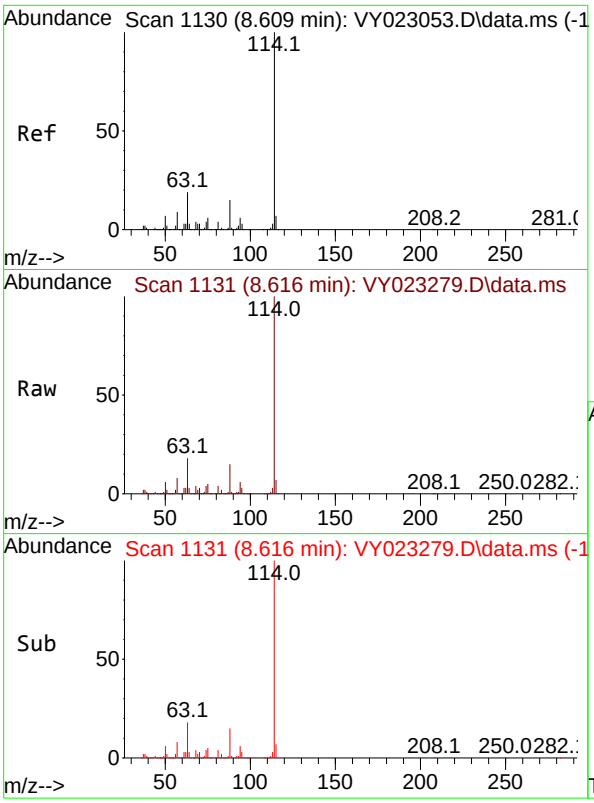


#33
1,2-Dichloroethane-d4
Concen: 54.594 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

Tgt Ion: 65 Resp: 311016

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.8



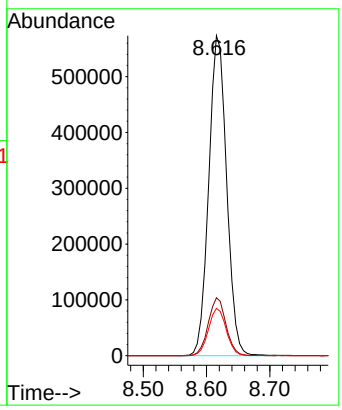


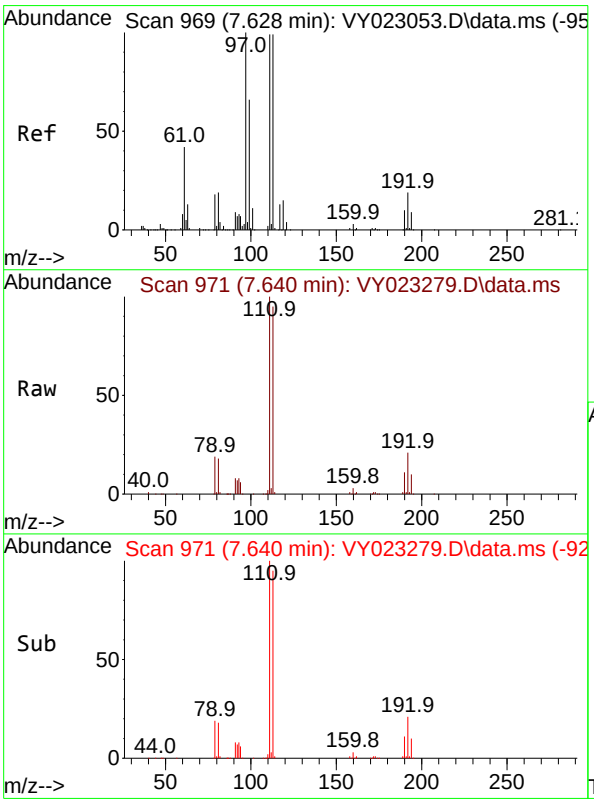
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

Tgt Ion:114 Resp: 1129657

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	14.8	0.0	30.0

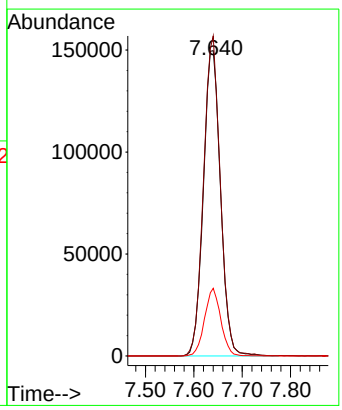


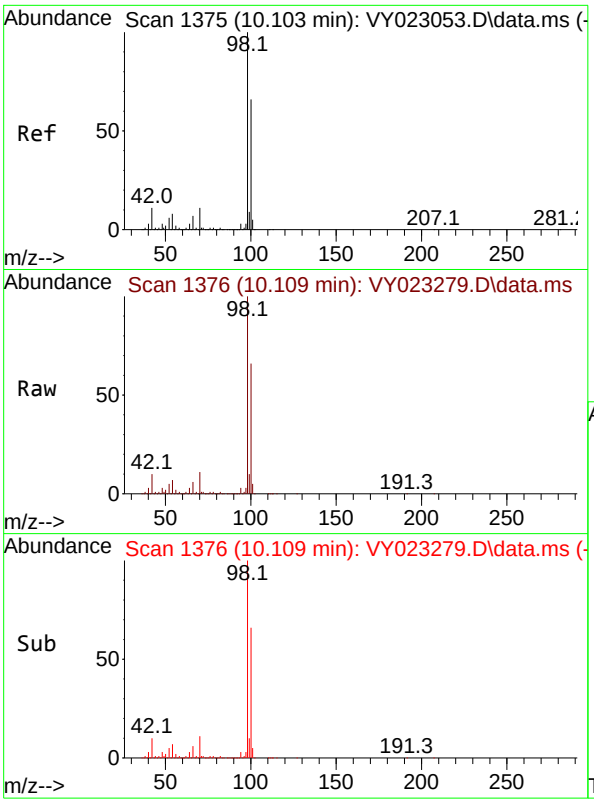


#35
Dibromofluoromethane
Concen: 54.791 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

Tgt Ion:113 Resp: 370357

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.1	121.7
192	20.9	16.2	24.4



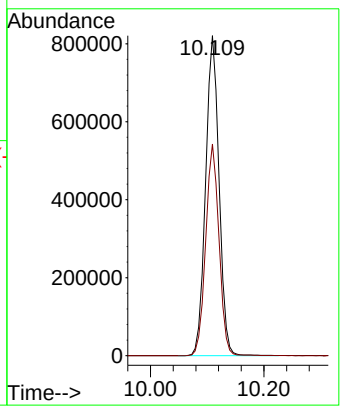


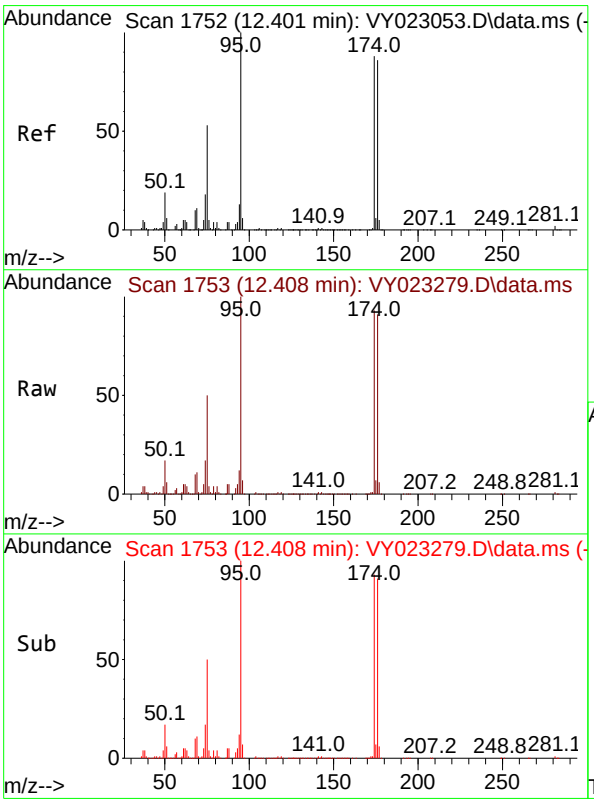
#50
Toluene-d8
Concen: 51.047 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

Tgt Ion: 98 Resp: 1347973

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.3	78.5

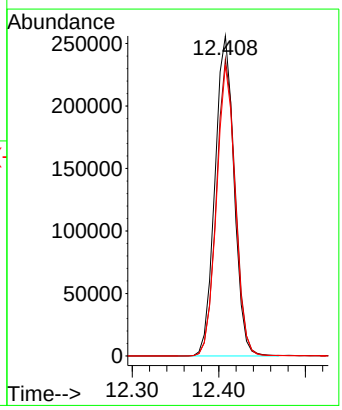


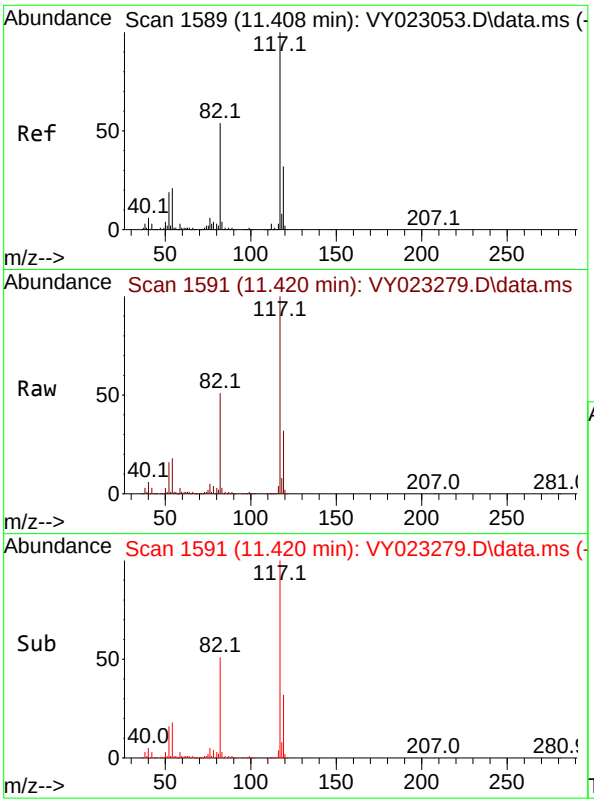


#62
4-Bromofluorobenzene
Concen: 46.257 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

Tgt Ion: 95 Resp: 392829

Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	171.6
176	88.8	0.0	167.6



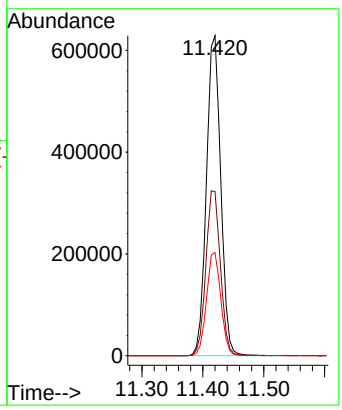


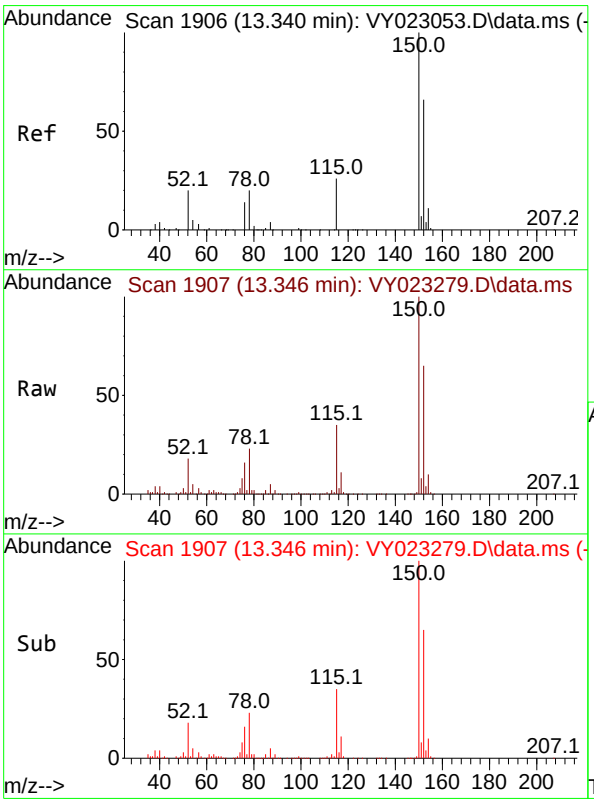
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

Tgt Ion:117 Resp: 1027478

Ion	Ratio	Lower	Upper
117	100		
82	51.3	43.4	65.0
119	32.2	25.6	38.4

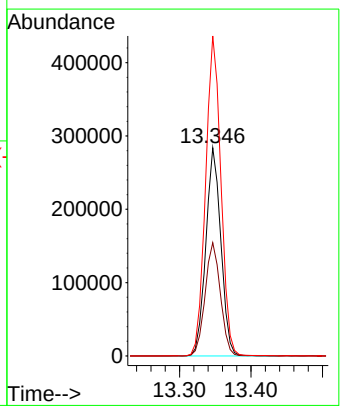




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

Tgt Ion:152 Resp: 414652

Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.2	84.6
150	156.4	0.0	348.0



Sample Results: **VY023279.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023279.D
Acq On : 04 Sep 2025 09:31
Operator : SY/MD
Sample : VY0904SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

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\82Y081225S.M
Title : SW846 8260

Signal : TIC: VY023279.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	464	476	488	rBV2	26346	85499	2.48%	0.493%
2	7.640	960	971	976	rBV	506459	1213147	35.14%	6.994%
3	7.713	976	983	996	rVB	740397	1693941	49.07%	9.766%
4	8.067	1030	1041	1052	rBV	394459	901384	26.11%	5.197%
5	8.616	1120	1131	1147	rBV	1259695	2498184	72.36%	14.403%
6	10.109	1368	1376	1384	rBV	2087821	3452382	100.00%	19.905%
7	10.512	1436	1442	1448	rBV	22777	41318	1.20%	0.238%
8	11.420	1583	1591	1603	rBV	1806009	3012524	87.26%	17.369%
9	12.408	1744	1753	1764	rBV	1335122	2059452	59.65%	11.874%
10	13.346	1901	1907	1916	rVB	1611365	2386592	69.13%	13.760%

Sum of corrected areas: 17344423

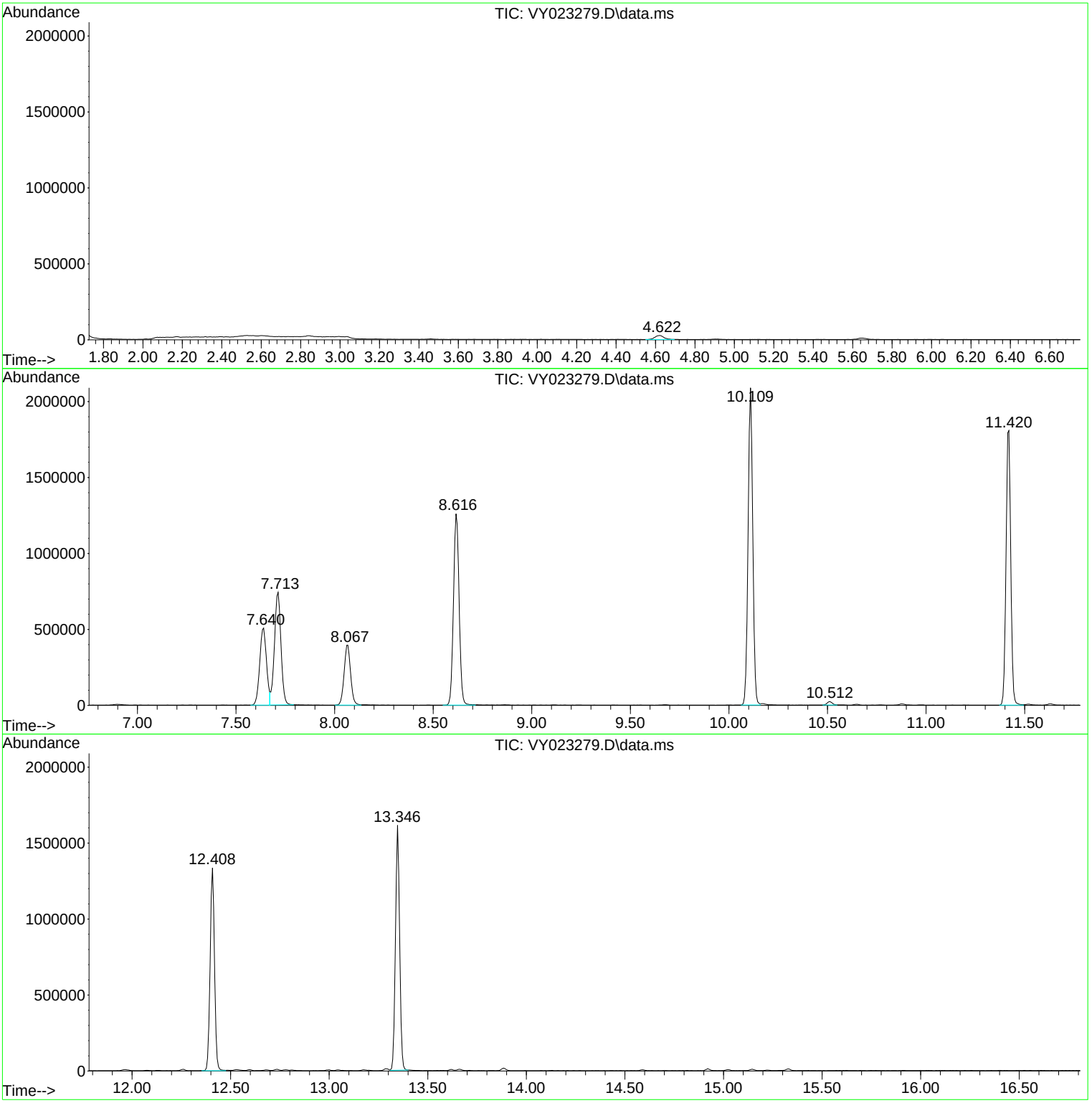
Sample Results: **VY023279.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023279.D
Acq On : 04 Sep 2025 09:31
Operator : SY/MD
Sample : VY0904SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023279.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023279.D
Acq On : 04 Sep 2025 09:31
Operator : SY/MD
Sample : VY0904SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.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\VY090425\
Data File : VY023279.D
Acq On : 04 Sep 2025 09:31
Operator : SY/MD
Sample : VY0904SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.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: **VY023280.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	VY0904SBS01	SDG No.:	Q3012
Lab Sample ID:	VY0904SBS01	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
VY023280.D	1	09/04/25 10:03	VY090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.0		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.0		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	20.1		1.00	5.00	ug/Kg
67-64-1	Acetone	130		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.8		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.4		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	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.9		0.91	5.00	ug/Kg
71-43-2	Benzene	21.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.9		3.60	25.0	ug/Kg
108-88-3	Toluene	21.5		0.78	5.00	ug/Kg

Raw Data: **VY023280.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	VY0904SBS01	SDG No.:	Q3012
Lab Sample ID:	VY0904SBS01	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
VY023280.D	1	09/04/25 10:03	VY090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	24.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.5		0.82	5.00	ug/Kg
100-42-5	Styrene	21.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.2		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	51.9		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	465000	7.713			
540-36-3	1,4-Difluorobenzene	720000	8.616			
3114-55-4	Chlorobenzene-d5	636000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	337000	13.347			

Raw Data: **VY023280.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	VY0904SBS01	SDG No.:	Q3012
Lab Sample ID:	VY0904SBS01	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
VY023280.D	1	09/04/25 10:03	VY090425

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\VY090425\
Data File : VY023280.D
Acq On : 04 Sep 2025 10:03
Operator : SY/MD
Sample : VY0904SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 04:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	464615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	719782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	635502	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	337206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	215256	48.611	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.220%			
35) Dibromofluoromethane	7.640	113	228035	52.946	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.900%			
50) Toluene-d8	10.109	98	873491	51.915	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.408	95	278883	51.540	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	76526	20.178	ug/l	96
3) Chloromethane	2.074	50	116769	19.010	ug/l	99
4) Vinyl Chloride	2.208	62	144889	19.082	ug/l	96
5) Bromomethane	2.592	94	125488	22.129	ug/l	99
6) Chloroethane	2.733	64	102422	20.289	ug/l	99
7) Trichlorofluoromethane	3.056	101	184544	19.988	ug/l	100
8) Diethyl Ether	3.458	74	48551	19.876	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	96658	21.220	ug/l	97
10) Methyl Iodide	4.007	142	104331	21.226	ug/l	99
11) Tert butyl alcohol	4.866	59	26564	87.552	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	90033	20.109	ug/l	93
13) Acrolein	3.653	56	18220	41.004	ug/l	98
14) Allyl chloride	4.385	41	117629	17.855	ug/l	98
15) Acrylonitrile	5.055	53	96946	97.622	ug/l	99
16) Acetone	3.867	43	126391	131.750	ug/l	97
17) Carbon Disulfide	4.110	76	281241	19.265	ug/l	99
18) Methyl Acetate	4.385	43	51383	17.999	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	223863	19.296	ug/l	98
20) Methylene Chloride	4.616	84	113665	21.238	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	104802	20.829	ug/l	93
22) Diisopropyl ether	6.019	45	270975	18.929	ug/l	93
23) Vinyl Acetate	5.964	43	741430	93.664	ug/l	100
24) 1,1-Dichloroethane	5.915	63	176604	20.178	ug/l	99
25) 2-Butanone	6.896	43	141948	108.796	ug/l	98
26) 2,2-Dichloropropane	6.890	77	153698	20.351	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	119818	20.599	ug/l	95
28) Bromochloromethane	7.250	49	70122	20.194	ug/l	91
29) Tetrahydrofuran	7.268	42	74982	92.715	ug/l	97
30) Chloroform	7.421	83	191797	21.248	ug/l	96
31) Cyclohexane	7.701	56	143260	17.369	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	169084	21.111	ug/l	98
36) 1,1-Dichloropropene	7.841	75	130122	20.329	ug/l	99
37) Ethyl Acetate	6.988	43	52951	19.693	ug/l	99
38) Carbon Tetrachloride	7.823	117	148999	21.432	ug/l	99
39) Methylcyclohexane	9.110	83	159680	18.944	ug/l	98
40) Benzene	8.085	78	417201	21.148	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023280.D
Acq On : 04 Sep 2025 10:03
Operator : SY/MD
Sample : VY0904SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 04:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	28793m	18.555	ug/l		
42) 1,2-Dichloroethane	8.158	62	106515	20.760	ug/l		100
43) Isopropyl Acetate	8.201	43	102085	18.785	ug/l		96
44) Trichloroethene	8.866	130	113489	22.261	ug/l		100
45) 1,2-Dichloropropane	9.146	63	96879	21.343	ug/l		97
46) Dibromomethane	9.231	93	58837	22.583	ug/l		98
47) Bromodichloromethane	9.427	83	147062	21.937	ug/l		99
48) Methyl methacrylate	9.225	41	49046	18.860	ug/l		95
49) 1,4-Dioxane	9.238	88	11933	390.623	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	271497	96.851	ug/l		98
52) Toluene	10.170	92	268932	21.464	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	123653	20.369	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	148656	20.708	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	77528	22.238	ug/l		96
56) Ethyl methacrylate	10.439	69	86272	19.339	ug/l		96
57) 1,3-Dichloropropane	10.719	76	126523	21.400	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	191696	91.099	ug/l		97
59) 2-Hexanone	10.762	43	198151	103.809	ug/l		98
60) Dibromochloromethane	10.914	129	105284	22.887	ug/l		100
61) 1,2-Dibromoethane	11.018	107	71985	21.969	ug/l		99
64) Tetrachloroethene	10.646	164	137146	24.168	ug/l		99
65) Chlorobenzene	11.444	112	297437	21.698	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	104263	22.411	ug/l		97
67) Ethyl Benzene	11.518	91	479579	20.330	ug/l		99
68) m/p-Xylenes	11.627	106	387341	42.041	ug/l		96
69) o-Xylene	11.957	106	176786	20.487	ug/l		99
70) Styrene	11.969	104	298764	21.171	ug/l		98
71) Bromoform	12.133	173	61882	22.759	ug/l	#	99
73) Isopropylbenzene	12.255	105	456549	19.183	ug/l		99
74) N-amyl acetate	12.072	43	86689	17.176	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	77389	19.044	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	61537m	18.909	ug/l		
77) Bromobenzene	12.530	156	119554	21.056	ug/l		94
78) n-propylbenzene	12.597	91	556852	19.652	ug/l		99
79) 2-Chlorotoluene	12.682	91	320181	19.722	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	378421	19.674	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	25518	18.981	ug/l		99
82) 4-Chlorotoluene	12.780	91	334580	19.866	ug/l		97
83) tert-Butylbenzene	12.999	119	333508	19.198	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	381947	19.948	ug/l		98
85) sec-Butylbenzene	13.176	105	498476	19.533	ug/l		100
86) p-Isopropyltoluene	13.292	119	417678	19.718	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	237048	21.171	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	233410	21.014	ug/l		99
89) n-Butylbenzene	13.615	91	370837	19.061	ug/l		98
90) Hexachloroethane	13.877	117	92271	21.279	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	208155	21.198	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12537	19.815	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	119717	20.616	ug/l		99
94) Hexachlorobutadiene	15.023	225	74023	21.693	ug/l		98
95) Naphthalene	15.145	128	184430	18.625	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	103819	20.748	ug/l		99

Sample Results: **VY023280.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023280.D
Acq On : 04 Sep 2025 10:03
Operator : SY/MD
Sample : VY0904SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 04:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025

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\VY090425\
Data File : VY023280.D
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Operator : SY/MD
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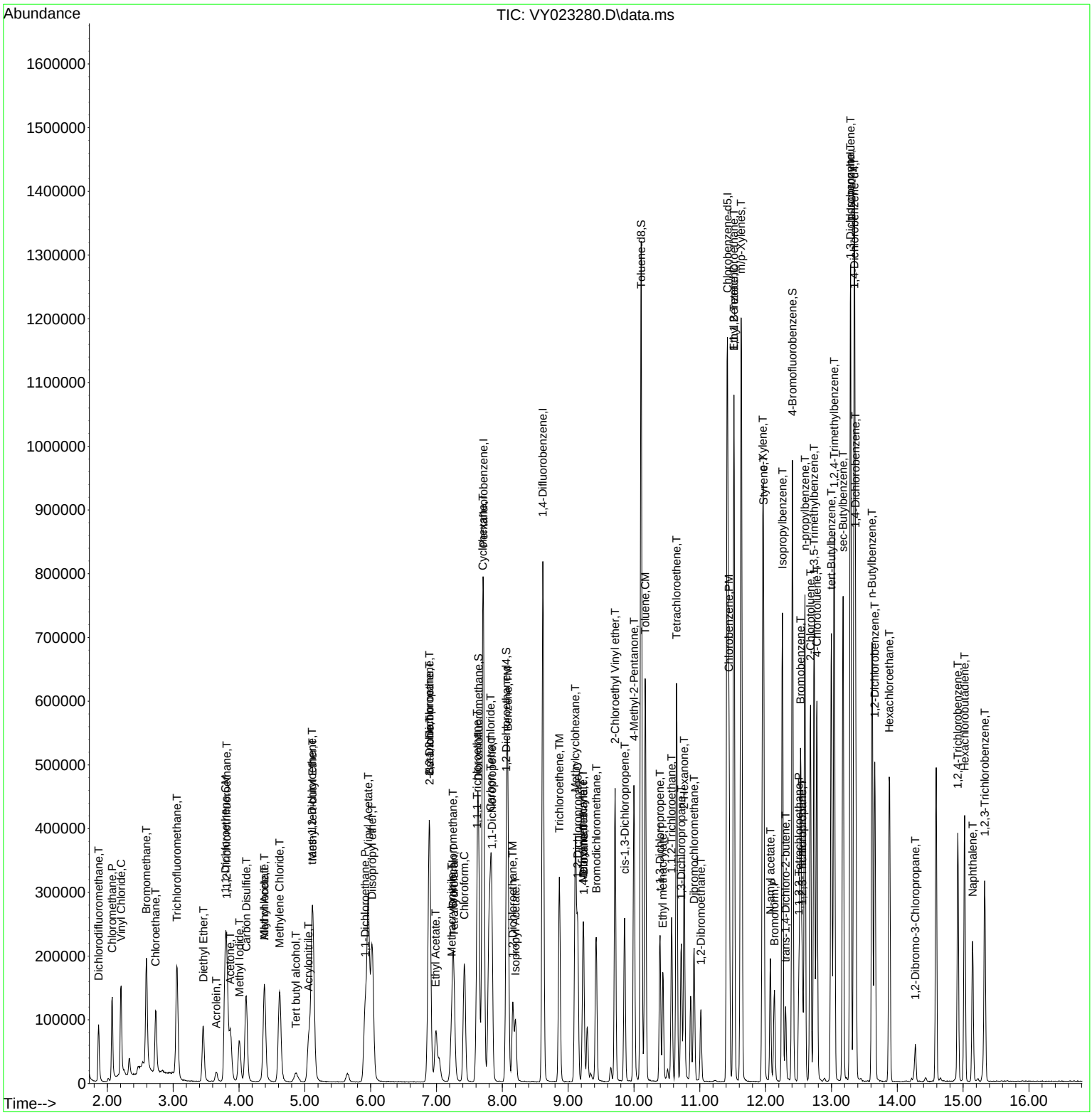

Raw Data: **VY023281.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	VY0904SBSD01	SDG No.:	Q3012
Lab Sample ID:	VY0904SBSD01	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
VY023281.D	1	09/04/25 10:26	VY090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.5		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.5		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.9		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.9		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.8		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	16.9		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.6		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.2		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.1		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

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Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
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Lab Sample ID:	VY0904SBSD01	Matrix:	SOIL
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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
VY023281.D	1	09/04/25 10:26	VY090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	23.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.0		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	20.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	48.5		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		17 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	471000	7.713			
540-36-3	1,4-Difluorobenzene	725000	8.616			
3114-55-4	Chlorobenzene-d5	642000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	334000	13.346			

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Lab Sample ID:	VY0904SBSD01	Matrix:	SOIL
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Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
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File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
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ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 04:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	470601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	724560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	642177	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	334491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	204994	45.705	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.420%			
35) Dibromofluoromethane	7.640	113	218274	50.345	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.700%			
50) Toluene-d8	10.109	98	821282	48.490	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.980%			
62) 4-Bromofluorobenzene	12.401	95	263228	48.326	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	74858	19.488	ug/l	98
3) Chloromethane	2.074	50	114952	18.476	ug/l	99
4) Vinyl Chloride	2.208	62	144951	18.847	ug/l	99
5) Bromomethane	2.592	94	123713	21.539	ug/l	90
6) Chloroethane	2.739	64	98191	19.204	ug/l	99
7) Trichlorofluoromethane	3.056	101	179321	19.175	ug/l	99
8) Diethyl Ether	3.458	74	48070	19.429	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	94768	20.541	ug/l	97
10) Methyl Iodide	4.007	142	103820	20.854	ug/l	100
11) Tert butyl alcohol	4.860	59	27560	89.679	ug/l	97
12) 1,1-Dichloroethene	3.793	96	88366	19.486	ug/l	93
13) Acrolein	3.659	56	19092	42.420	ug/l	99
14) Allyl chloride	4.385	41	115779	17.351	ug/l	98
15) Acrylonitrile	5.061	53	94969	94.415	ug/l	97
16) Acetone	3.866	43	118899	122.364	ug/l	95
17) Carbon Disulfide	4.110	76	274884	18.590	ug/l	99
18) Methyl Acetate	4.385	43	51615	17.850	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	222665	18.948	ug/l	99
20) Methylene Chloride	4.622	84	106472	19.425	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	101117	19.841	ug/l	93
22) Diisopropyl ether	6.025	45	267475	18.446	ug/l	97
23) Vinyl Acetate	5.970	43	728142	90.815	ug/l	97
24) 1,1-Dichloroethane	5.921	63	169559	19.126	ug/l	99
25) 2-Butanone	6.896	43	139603	105.637	ug/l	96
26) 2,2-Dichloropropane	6.890	77	150408	19.662	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	116674	19.803	ug/l	95
28) Bromochloromethane	7.250	49	68873	19.582	ug/l	88
29) Tetrahydrofuran	7.268	42	75336	91.967	ug/l	96
30) Chloroform	7.427	83	185890	20.332	ug/l	95
31) Cyclohexane	7.707	56	141186	16.900	ug/l	92
32) 1,1,1-Trichloroethane	7.622	97	164029	20.219	ug/l	98
36) 1,1-Dichloropropene	7.835	75	128682	19.972	ug/l	98
37) Ethyl Acetate	6.982	43	53961	19.937	ug/l	99
38) Carbon Tetrachloride	7.823	117	146197	20.891	ug/l	97
39) Methylcyclohexane	9.109	83	157794	18.597	ug/l	97
40) Benzene	8.085	78	405017	20.395	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023281.D
Acq On : 04 Sep 2025 10:26
Operator : SY/MD
Sample : VY0904SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 04:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	31549	20.197	ug/l		97
42) 1,2-Dichloroethane	8.158	62	104337	20.201	ug/l		99
43) Isopropyl Acetate	8.201	43	103288	18.881	ug/l	#	84
44) Trichloroethene	8.865	130	111544	21.735	ug/l		95
45) 1,2-Dichloropropane	9.140	63	93250	20.408	ug/l		100
46) Dibromomethane	9.231	93	56223	21.437	ug/l		97
47) Bromodichloromethane	9.426	83	142867	21.170	ug/l		99
48) Methyl methacrylate	9.225	41	47906	18.300	ug/l		94
49) 1,4-Dioxane	9.231	88	12427	404.111	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	271313	96.148	ug/l		99
52) Toluene	10.170	92	260772	20.675	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	120464	19.713	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	144211	19.957	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	76542	21.811	ug/l		98
56) Ethyl methacrylate	10.438	69	85954	19.141	ug/l		96
57) 1,3-Dichloropropane	10.719	76	124571	20.930	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	194803	91.965	ug/l		96
59) 2-Hexanone	10.761	43	193476	100.691	ug/l		99
60) Dibromochloromethane	10.914	129	101287	21.873	ug/l		97
61) 1,2-Dibromoethane	11.018	107	70658	21.422	ug/l		100
64) Tetrachloroethene	10.646	164	134107	23.387	ug/l		98
65) Chlorobenzene	11.444	112	289564	20.904	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	101420	21.573	ug/l		99
67) Ethyl Benzene	11.517	91	466177	19.556	ug/l		98
68) m/p-Xylenes	11.627	106	380068	40.823	ug/l		96
69) o-Xylene	11.956	106	176185	20.205	ug/l		97
70) Styrene	11.969	104	292604	20.519	ug/l		98
71) Bromoform	12.133	173	62064	22.588	ug/l	#	98
73) Isopropylbenzene	12.255	105	448066	18.979	ug/l		99
74) N-amyl acetate	12.072	43	86133	17.204	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	78055	19.364	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	58938m	18.257	ug/l		
77) Bromobenzene	12.529	156	118138	20.976	ug/l		93
78) n-propylbenzene	12.597	91	541124	19.252	ug/l		99
79) 2-Chlorotoluene	12.676	91	312678	19.416	ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	368407	19.309	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	24464	18.344	ug/l		99
82) 4-Chlorotoluene	12.773	91	320725	19.198	ug/l		97
83) tert-Butylbenzene	12.999	119	331762	19.252	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	372847	19.631	ug/l		99
85) sec-Butylbenzene	13.176	105	485105	19.164	ug/l		99
86) p-Isopropyltoluene	13.291	119	409714	19.499	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	231886	20.878	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	226623	20.569	ug/l		98
89) n-Butylbenzene	13.615	91	358984	18.602	ug/l		99
90) Hexachloroethane	13.877	117	87847	20.423	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	203617	20.904	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12228	19.483	ug/l		90
93) 1,2,4-Trichlorobenzene	14.919	180	117184	20.344	ug/l		99
94) Hexachlorobutadiene	15.023	225	72572	21.440	ug/l		99
95) Naphthalene	15.145	128	188321	19.173	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	104455	21.044	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023281.D
Acq On : 04 Sep 2025 10:26
Operator : SY/MD
Sample : VY0904SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 04:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025

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

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

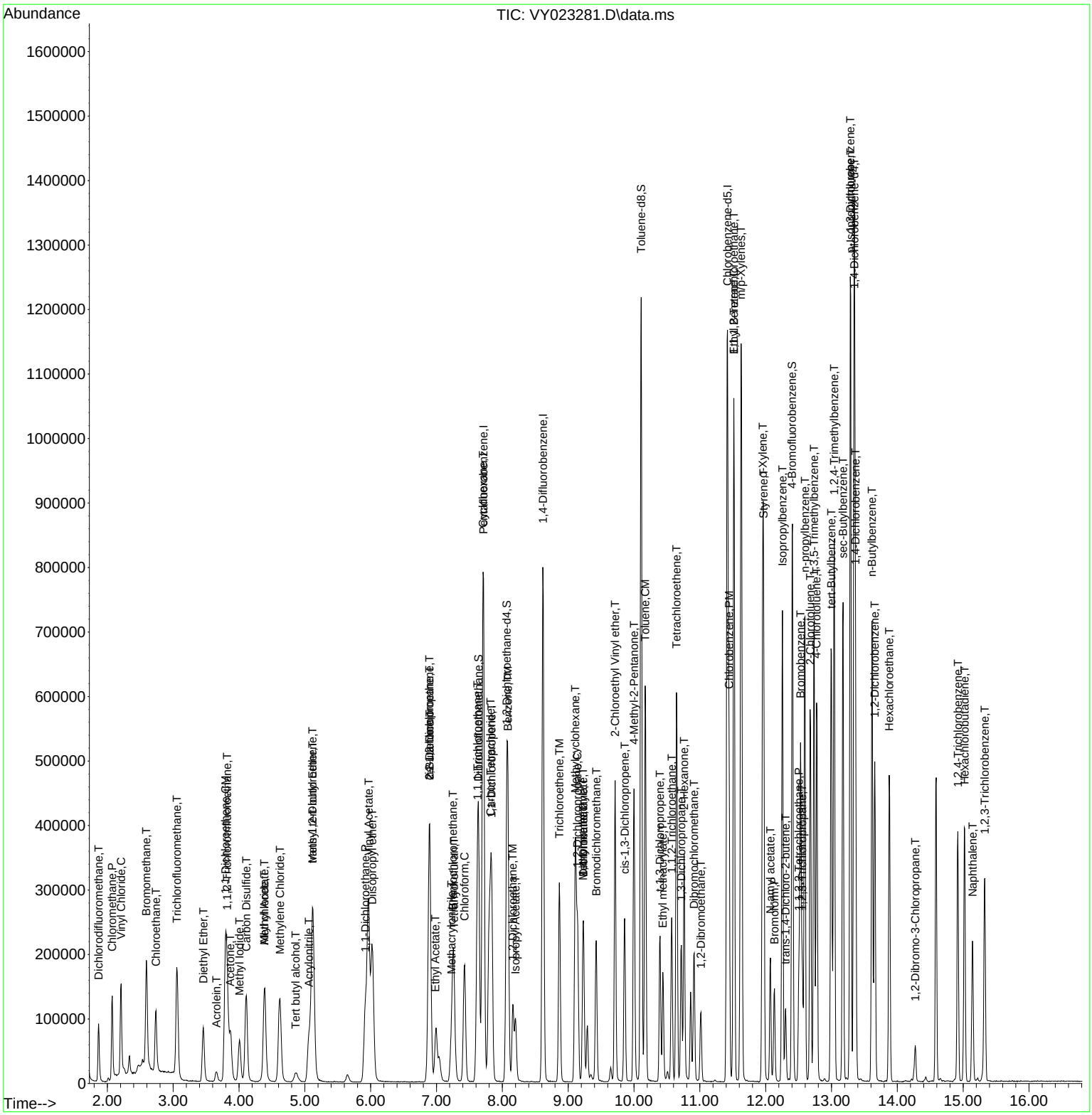
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023281.D
Acq On : 04 Sep 2025 10:26
Operator : SY/MD
Sample : VY0904SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 04:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
Supervised By :Semsettin Yesilyurt 09/05/2025



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

Manual Integration Report

Sequence:	VY081225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023050.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:33:57 PM	SAM	8/14/2025 7:43:56 PM	Peak Integrated by Software
VSTDICC005	VY023050.D	Methacrylonitrile	MMDadoda	8/14/2025 7:33:57 PM	SAM	8/14/2025 7:43:56 PM	Peak Integrated by Software
VSTDICC010	VY023051.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:06 PM	SAM	8/14/2025 7:43:57 PM	Peak Integrated by Software
VSTDICC020	VY023052.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:08 PM	SAM	8/14/2025 7:43:59 PM	Peak Integrated by Software
VSTDICC020	VY023052.D	Methacrylonitrile	MMDadoda	8/14/2025 7:34:08 PM	SAM	8/14/2025 7:43:59 PM	Peak Integrated by Software
VSTDICCC050	VY023053.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:10 PM	SAM	8/14/2025 7:44:00 PM	Peak Integrated by Software
VSTDICC100	VY023054.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:12 PM	SAM	8/14/2025 7:44:02 PM	Peak Integrated by Software
VSTDICC150	VY023055.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:15 PM	SAM	8/14/2025 7:44:04 PM	Peak Integrated by Software
VSTDICV050	VY023057.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:16 PM	SAM	8/14/2025 7:44:06 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY090425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023278.D	1,2,3-Trichloropropane	MMDadoda	9/5/2025 2:55:06 PM	Sam	9/5/2025 2:56:58 PM	Peak Integrated by Software
VY0904SBS01	VY023280.D	1,2,3-Trichloropropane	MMDadoda	9/5/2025 2:55:08 PM	Sam	9/5/2025 2:56:59 PM	Peak Integrated by Software
VY0904SBS01	VY023280.D	Methacrylonitrile	MMDadoda	9/5/2025 2:55:08 PM	Sam	9/5/2025 2:56:59 PM	Peak Integrated by Software
VY0904SBSD01	VY023281.D	1,2,3-Trichloropropane	MMDadoda	9/5/2025 2:55:10 PM	Sam	9/5/2025 2:57:01 PM	Peak Integrated by Software
VSTDCCC050	VY023288.D	1,2,3-Trichloropropane	MMDadoda	9/5/2025 2:55:11 PM	Sam	9/5/2025 2:57:03 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 # VY081225

Review By	Mahesh Dadoda	Review On	8/14/2025 7:34:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/14/2025 7:44:13 PM		
SubDirectory	VY081225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135083
Initial Calibration Stds	VP135084,VP135085,VP135086,VP135087,VP135088,VP135089
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135090
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023048.D	12 Aug 2025 08:26	SY/MD	Ok
2	VSTDICC005	VY023049.D	12 Aug 2025 14:32	SY/MD	Not Ok
3	VSTDICC005	VY023050.D	12 Aug 2025 14:54	SY/MD	Ok,M
4	VSTDICC010	VY023051.D	12 Aug 2025 15:17	SY/MD	Ok,M
5	VSTDICC020	VY023052.D	12 Aug 2025 15:40	SY/MD	Ok,M
6	VSTDICCC050	VY023053.D	12 Aug 2025 16:02	SY/MD	Ok,M
7	VSTDICC100	VY023054.D	12 Aug 2025 16:25	SY/MD	Ok,M
8	VSTDICC150	VY023055.D	12 Aug 2025 16:47	SY/MD	Ok,M
9	VIBLK	VY023056.D	12 Aug 2025 17:31	SY/MD	Ok
10	VSTDICV050	VY023057.D	12 Aug 2025 17:53	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 # VY090425

Review By		Review On					
Supervise By		Supervise On					
SubDirectory	VY090425	HP Acquire Method	MSVOA_Y		HP Processing Method	82y081225s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP135362
Initial Calibration Stds	
CCC	VP135364,VP135365
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	VY023277.D	04 Sep 2025 08:26	SY/MD	Ok
2	VSTDCCC050	VY023278.D	04 Sep 2025 08:56	SY/MD	Ok,M
3	VY0904SBL01	VY023279.D	04 Sep 2025 09:31	SY/MD	Ok
4	VY0904SBS01	VY023280.D	04 Sep 2025 10:03	SY/MD	Ok,M
5	VY0904SBSD01	VY023281.D	04 Sep 2025 10:26	SY/MD	Ok,M
6	Q3009-01RE	VY023282.D	04 Sep 2025 11:05	SY/MD	Confirms
7	Q3011-02	VY023283.D	04 Sep 2025 12:45	SY/MD	Ok
8	Q3012-02	VY023284.D	04 Sep 2025 13:09	SY/MD	Ok
9	Q3023-01	VY023285.D	04 Sep 2025 15:04	SY/MD	Ok
10	Q3023-04	VY023286.D	04 Sep 2025 15:28	SY/MD	Ok
11	VIBLK	VY023287.D	04 Sep 2025 15:51	SY/MD	Ok
12	VSTDCCC050	VY023288.D	04 Sep 2025 16:14	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 # VY081225

Review By	Mahesh Dadoda	Review On	8/14/2025 7:34:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/14/2025 7:44:13 PM		
SubDirectory	VY081225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135083
Initial Calibration Stds	VP135084,VP135085,VP135086,VP135087,VP135088,VP135089
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135090
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023048.D	12 Aug 2025 08:26		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023049.D	12 Aug 2025 14:32	Not used	SY/MD	Not Ok
3	VSTDICC005	VSTDICC005	VY023050.D	12 Aug 2025 14:54		SY/MD	Ok,M
4	VSTDICC010	VSTDICC010	VY023051.D	12 Aug 2025 15:17		SY/MD	Ok,M
5	VSTDICC020	VSTDICC020	VY023052.D	12 Aug 2025 15:40	LR-20	SY/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VY023053.D	12 Aug 2025 16:02		SY/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY023054.D	12 Aug 2025 16:25		SY/MD	Ok,M
8	VSTDICC150	VSTDICC150	VY023055.D	12 Aug 2025 16:47		SY/MD	Ok,M
9	VIBLK	VIBLK	VY023056.D	12 Aug 2025 17:31		SY/MD	Ok
10	VSTDICV050	ICVVY081225	VY023057.D	12 Aug 2025 17:53		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 # VY090425

Review By		Review On					
Supervise By		Supervise On					
SubDirectory	VY090425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135362
Initial Calibration Stds	
CCC	VP135364,VP135365
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	VY023277.D	04 Sep 2025 08:26		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023278.D	04 Sep 2025 08:56		SY/MD	Ok,M
3	VY0904SBL01	VY0904SBL01	VY023279.D	04 Sep 2025 09:31		SY/MD	Ok
4	VY0904SBS01	VY0904SBS01	VY023280.D	04 Sep 2025 10:03		SY/MD	Ok,M
5	VY0904SBSD01	VY0904SBSD01	VY023281.D	04 Sep 2025 10:26		SY/MD	Ok,M
6	Q3009-01RE	TR-04-090325RE	VY023282.D	04 Sep 2025 11:05	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q3011-02	VOC	VY023283.D	04 Sep 2025 12:45	vial-A	SY/MD	Ok
8	Q3012-02	VOC	VY023284.D	04 Sep 2025 13:09	vial-A	SY/MD	Ok
9	Q3023-01	TP-1	VY023285.D	04 Sep 2025 15:04	vial-A	SY/MD	Ok
10	Q3023-04	TP-2	VY023286.D	04 Sep 2025 15:28	vial-A	SY/MD	Ok
11	VIBLK	VIBLK	VY023287.D	04 Sep 2025 15:51		SY/MD	Ok
12	VSTDCCC050	VSTDCCC050EC	VY023288.D	04 Sep 2025 16:14		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 09/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:33
Out Date: 09/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137064

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
Q3011-01	WASTE	1	1.15	10.35	11.5	10.87	93.9	
Q3011-02	VOC	2	1.16	10.41	11.57	10.9	93.6	
Q3011-03	1	3	1.16	10.43	11.59	10.77	92.1	
Q3011-04	2	4	1.17	10.79	11.96	10.8	89.2	
Q3011-05	3	5	1.15	10.33	11.48	10.73	92.7	
Q3011-06	4	6	1.13	10.33	11.46	10.79	93.5	
Q3011-07	5	7	1.19	10.43	11.62	11.22	96.2	
Q3011-08	6	8	1.19	10.40	11.59	10.81	92.5	
Q3012-01	WASTE	9	1.16	10.78	11.94	11.34	94.4	
Q3012-02	VOC	10	1.14	10.82	11.96	11.48	95.6	
Q3012-03	1	11	1.15	10.30	11.45	10.86	94.3	
Q3012-04	2	12	1.17	10.77	11.94	11.22	93.3	
Q3012-05	3	13	1.15	10.81	11.96	11.31	94.0	
Q3012-06	4	14	1.16	10.39	11.55	11.00	94.7	
Q3012-07	5	15	1.12	10.19	11.31	10.5	92.1	
Q3012-07D	5DUP	16	1.17	10.17	11.34	10.53	92.0	
Q3014-01	Red Firestop Sealant	17	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3014-02	Sidewalk Joint Caulk	18	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3014-03	Ext Metal Wall panel Caulk	19	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3021-02	821-ABC	20	1.00	1.00	2.00	2.00	100.0	oil sample
Q3021-04	821-DEF	21	1.00	1.00	2.00	2.00	100.0	oil sample
Q3021-06	821-GHI	22	1.00	1.00	2.00	2.00	100.0	oil sample
Q3023-01	TP-1	23	1.14	10.62	11.76	10.5	88.1	
Q3023-04	TP-2	24	1.19	10.51	11.7	10.9	92.4	
Q3026-01	EO-02-09042025	25	1.14	10.85	11.99	11.08	91.6	
Q3026-02	EO-02-09042025-E2	26	1.18	10.36	11.54	10.56	90.5	
Q3027-01	HD-01-09042025	27	1.11	10.55	11.66	11.06	94.3	
Q3027-02	HD-01-09042025-E2	28	1.19	10.30	11.49	11.05	95.7	

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 09/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:33
Out Date: 09/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137064

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments

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

WORKLIST(Hardcopy Internal Chain)

VB 137064

WorkList Name : %1-090425 **WorkList ID :** 191662 **Department :** Wet-Chemistry **Date :** 09-04-2025 09:55:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3011-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-08	6	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3012-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3012-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3014-01	Red Firestop Sealant	Solid	Percent Solids	Cool 4 deg C	ATCE02	J11	09/03/2025	Chemtech -SO
Q3014-02	Sidewalk Joint Caulk	Solid	Percent Solids	Cool 4 deg C	ATCE02	J11	09/03/2025	Chemtech -SO
Q3014-03	Ext Metal Wall panel Caulk	Solid	Percent Solids	Cool 4 deg C	ATCE02	J11	09/03/2025	Chemtech -SO
Q3021-02	821-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	F31	09/04/2025	Chemtech -SO
Q3021-04	821-DEF	Solid	Percent Solids	Cool 4 deg C	PSEG03	F31	09/04/2025	Chemtech -SO
Q3021-06	821-GHI	Solid	Percent Solids	Cool 4 deg C	PSEG03	F31	09/04/2025	Chemtech -SO

Date/Time 09/04/25 16:50

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 09/04/25 18:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB137064

WorkList Name : %1-090425 **WorkList ID :** 191662 **Department :** Wet-Chemistry **Date :** 09-04-2025 09:55:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3023-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	09/04/2025	Chemtech -SO
Q3023-04	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	09/04/2025	Chemtech -SO
Q3026-01	EO-02-09042025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO
Q3026-02	EO-02-09042025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO
Q3027-01	HD-01-09042025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO
Q3027-02	HD-01-09042025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO

Date/Time 09/04/25 16:50

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 09/04/25 18:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

SHIPPING DOCUMENTS

Q 3012

29-35 Frelinghuysen Ave

CHEMTECH
CHAIN OF CUSTODY RECORD

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

Chemtech Project Number: Newark.

COC Number:

CLIENT INFORMATION

Report to be sent to:

COMPANY:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME:
PROJECT #: LOCATION:
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TPH_GC; 2 VOC; 3 EPH_F2; 4; 5; 6; 7; 8; 9

CHEMTECH 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.	WASTE			9/3		7:30	1	X									
2.	VOC					7:40	1		X								
3.	1					10—	1			X							
4.	2					9—	1			X							
5.	3					8:10,34	1			X							
6.	4					8:41	1			X							
7.	5					8:15	1			X							
8.																	
9.																	
10.																	

Comments: <—Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	9-3-25 1543	1. 9-3-25 1543
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	9-3-25 1628	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 6.1 C

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other: _____
CHEMTECH: ☐ Picked Up

Shipment Complete ☐ YES ☐ NO

10/2018

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

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3012 SCIA01
Client Name : Sciacca General Contractor
Client Contact : Rosanne Scirica
Invoice Name : Sciacca General Contractor
Invoice Contact : Rosanne Scirica

Order Date : 9/3/2025 3:58:00 PM
Project Name : 29-35 Frelinghuysen Ave, N
Receive DateTime : 9/3/2025 ~~4:00:00~~ PM 4:25
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3012-02	VOC	Solid	09/03/2025	07:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 9-3-25 1630

Received By :
Date / Time : 09/04/25 12:60

Storage Area : VOA Refridgerator Room