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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:	Q2147	**OrderDate:**	5/28/2025 1:30:00 PM
Client:	Sciacca General Contractors, LLC	**Project:**	98 Morse Ave Nutley
Contact:	Rosanne Scirica	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2147-02	**VOC**	**SOIL**			**05/27/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			05/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2147

Client: Sciacca General Contractors, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**VOC**								
Q2147-02	VOC	SOIL	1-Methyldodecylamine	*	18.8	J	0	0	ug/Kg
			Total Tics :		18.8				
			Total Concentration:		18.8				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2147

Client: Sciacca General Contractors, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2147-02	VOC	1,2-Dichloroethane-d4	50	38.5	77	63	155
		Dibromofluoromethane	50	41.0	82	70	134
		Toluene-d8	50	44.2	88	74	123
		4-Bromofluorobenzene	50	23.9	48	17	146
VY0529SBL01	VY0529SBL01	1,2-Dichloroethane-d4	50	53.3	107	63	155
		Dibromofluoromethane	50	50.8	102	70	134
		Toluene-d8	50	50.1	100	74	123
		4-Bromofluorobenzene	50	40.9	82	17	146
VY0529SBS01	VY0529SBS01	1,2-Dichloroethane-d4	50	53.5	107	63	155
		Dibromofluoromethane	50	49.6	99	70	134
		Toluene-d8	50	49.6	99	74	123
		4-Bromofluorobenzene	50	48.2	96	17	146
VY0529SBSD01	VY0529SBSD01	1,2-Dichloroethane-d4	50	55.1	110	63	155
		Dibromofluoromethane	50	52.5	105	70	134
		Toluene-d8	50	51.6	103	74	123
		4-Bromofluorobenzene	50	49.9	100	17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2147

Client: Sciacca General Contractors, LLC

Analytical Method: SW8260D **Datafile :** VY022455.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0529SBS01	Dichlorodifluoromethane	20	22.5	ug/Kg	113			64	136	
	Chloromethane	20	26.3	ug/Kg	132			52	151	
	Vinyl chloride	20	23.7	ug/Kg	119			56	148	
	Bromomethane	20	28.0	ug/Kg	140			58	141	
	Chloroethane	20	26.5	ug/Kg	133		*	69	130	
	Trichlorofluoromethane	20	24.0	ug/Kg	120			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/Kg	107			81	123	
	1,1-Dichloroethene	20	21.3	ug/Kg	106			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	20.9	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	22.3	ug/Kg	112			77	129	
	Methyl Acetate	20	22.9	ug/Kg	115			69	149	
	Methylene Chloride	20	20.9	ug/Kg	104			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			82	123	
	Cyclohexane	20	20.8	ug/Kg	104			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.1	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			82	123	
	Bromochloromethane	20	22.4	ug/Kg	112			80	127	
	Chloroform	20	21.8	ug/Kg	109			82	125	
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107			80	126	
	Methylcyclohexane	20	20.3	ug/Kg	102			77	123	
	Benzene	20	20.8	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	21.6	ug/Kg	108			81	126	
	Trichloroethene	20	20.5	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			83	122	
	Bromodichloromethane	20	20.9	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106			78	124	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.1	ug/Kg	106			79	125	
	1,2-Dibromoethane	20	21.3	ug/Kg	106			80	125	
	Tetrachloroethene	20	20.9	ug/Kg	104			83	125	
	Chlorobenzene	20	20.1	ug/Kg	101			84	122	
	Ethyl Benzene	20	19.7	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.0	ug/Kg	98			83	124	
	o-Xylene	20	19.9	ug/Kg	100			83	123	
	Styrene	20	20.1	ug/Kg	101			82	124	
	Bromoform	20	21.4	ug/Kg	107			75	127	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			83	122	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			84	121	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2147

Client: Sciacca General Contractors, LLC

Analytical Method: SW8260D **Datafile :** VY022455.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0529SBS01	1,2-Dibromo-3-Chloropropane	20	22.9	ug/Kg	115			66	134	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			78	127	
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2147

Client: Sciacca General Contractors, LLC

Analytical Method: SW8260D **Datafile :** VY022456.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0529SBSD01	Dichlorodifluoromethane	20	23.4	ug/Kg	117	3		64	136	20
	Chloromethane	20	26.4	ug/Kg	132	0		52	151	20
	Vinyl chloride	20	24.5	ug/Kg	123	3		56	148	20
	Bromomethane	20	28.8	ug/Kg	144	3	*	58	141	20
	Chloroethane	20	27.0	ug/Kg	135	1	*	69	130	20
	Trichlorofluoromethane	20	25.3	ug/Kg	127	6		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106	1		81	123	20
	1,1-Dichloroethene	20	22.1	ug/Kg	111	5		79	121	20
	Acetone	100	120	ug/Kg	120	9		40	171	20
	Carbon disulfide	20	21.6	ug/Kg	108	4		59	130	20
	Methyl tert-butyl Ether	20	23.0	ug/Kg	115	3		77	129	20
	Methyl Acetate	20	25.2	ug/Kg	126	9		69	149	20
	Methylene Chloride	20	21.4	ug/Kg	107	3		72	131	20
	trans-1,2-Dichloroethene	20	21.9	ug/Kg	110	6		80	123	20
	1,1-Dichloroethane	20	22.8	ug/Kg	114	5		82	123	20
	Cyclohexane	20	20.7	ug/Kg	104	0		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	20.5	ug/Kg	103	2		76	129	20
	cis-1,2-Dichloroethene	20	21.9	ug/Kg	110	4		82	123	20
	Bromochloromethane	20	22.0	ug/Kg	110	2		80	127	20
	Chloroform	20	22.8	ug/Kg	114	4		82	125	20
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108	1		80	126	20
	Methylcyclohexane	20	20.0	ug/Kg	100	2		77	123	20
	Benzene	20	21.4	ug/Kg	107	3		84	121	20
	1,2-Dichloroethane	20	21.9	ug/Kg	110	2		81	126	20
	Trichloroethene	20	20.9	ug/Kg	104	1		83	122	20
	1,2-Dichloropropane	20	21.9	ug/Kg	110	4		83	122	20
	Bromodichloromethane	20	21.5	ug/Kg	108	4		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Toluene	20	20.6	ug/Kg	103	2		83	122	20
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106	0		78	124	20
	cis-1,3-Dichloropropene	20	21.2	ug/Kg	106	2		81	122	20
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106	0		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	21.1	ug/Kg	106	0		79	125	20
	1,2-Dibromoethane	20	21.6	ug/Kg	108	2		80	125	20
	Tetrachloroethene	20	20.9	ug/Kg	104	0		83	125	20
	Chlorobenzene	20	20.9	ug/Kg	104	3		84	122	20
	Ethyl Benzene	20	20.2	ug/Kg	101	2		82	124	20
	m/p-Xylenes	40	40.0	ug/Kg	100	2		83	124	20
	o-Xylene	20	20.3	ug/Kg	102	2		83	123	20
	Styrene	20	20.4	ug/Kg	102	1		82	124	20
	Bromoform	20	20.9	ug/Kg	104	3		75	127	20
	Isopropylbenzene	20	20.4	ug/Kg	102	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	3		77	127	20
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	6		83	122	20
	1,4-Dichlorobenzene	20	21.2	ug/Kg	106	7		84	121	20
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106	4		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2147

Client: Sciacca General Contractors, LLC

Analytical Method: SW8260D **Datafile :** VY022456.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0529SBSD01	1,2-Dibromo-3-Chloropropane	20	22.3	ug/Kg	112	3		66	134	20
	1,2,4-Trichlorobenzene	20	21.7	ug/Kg	109	10		78	127	20
	1,2,3-Trichlorobenzene	20	22.0	ug/Kg	110	7		70	137	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0529SBL01

Lab Name: CHEMTECH Contract: SCIA01

Lab Code: CHEM Case No.: Q2147 SAS No.: Q2147 SDG NO.: Q2147

Lab File ID: VY022454.D Lab Sample ID: VY0529SBL01

Date Analyzed: 05/29/2025 Time Analyzed: 08:56

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
VY0529SBS01	VY0529SBS01	VY022455.D	05/29/2025
VY0529SBSD01	VY0529SBSD01	VY022456.D	05/29/2025
VOC	Q2147-02	VY022459.D	05/29/2025

COMMENTS:

Raw Data: **VY022420.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCIA01

Lab Code: CHEM Case No.: Q2147 SAS No.: Q2147 SDG NO.: Q2147

Lab File ID: VY022420.D BFB Injection Date: 05/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:20

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	88.8
175	5.0 - 9.0% of mass 174	6.7 (7.6) 1
176	95.0 - 101.0% of mass 174	85.7 (96.4) 1
177	5.0 - 9.0% of mass 176	5.5 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022421.D	05/27/2025	08:50
VSTDICC010	VSTDICC010	VY022422.D	05/27/2025	09:14
VSTDICC020	VSTDICC020	VY022423.D	05/27/2025	09:36
VSTDICCC050	VSTDICCC050	VY022424.D	05/27/2025	09:59
VSTDICC100	VSTDICC100	VY022425.D	05/27/2025	10:22
VSTDICC150	VSTDICC150	VY022426.D	05/27/2025	10:44

Raw Data: **VY022452.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCIA01

Lab Code: CHEM Case No.: Q2147 SAS No.: Q2147 SDG NO.: Q2147

Lab File ID: VY022452.D BFB Injection Date: 05/29/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:54

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	24.8
75	30.0 - 60.0% of mass 95	59.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.4 (7.7) 1
176	95.0 - 101.0% of mass 174	79.3 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022453.D	05/29/2025	08:23
VY0529SBL01	VY0529SBL01	VY022454.D	05/29/2025	08:56
VY0529SBS01	VY0529SBS01	VY022455.D	05/29/2025	09:27
VY0529SBSD01	VY0529SBSD01	VY022456.D	05/29/2025	09:50
VOC	Q2147-02	VY022459.D	05/29/2025	12:02

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCIA01

Lab Code: CHEM Case No.: Q2147 SAS No.: Q2147 SDG NO.: Q2147

Lab File ID: VY022453.D Date Analyzed: 05/29/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:23

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	217073		7.72	367403		8.62	311885		11.42
UPPER LIMIT	434146		8.219	734806		9.122	623770		11.92
LOWER LIMIT	108537		7.219	183702		8.122	155943		10.92
EPA SAMPLE NO.									
VOC	22984	*	7.71	34413	*	8.62	20399	*	11.42
VY0529SBL01	320837		7.72	584950		8.62	455837		11.43
VY0529SBS01	217849		7.72	376540		8.62	319754		11.42
VY0529SBSD01	205776		7.71	359832		8.62	305847		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: CHEMTECH Contract: SCIA01

Lab Code: CHEM Case No.: Q2147 SAS No.: Q2147 SDG NO.: Q2147

Lab File ID: VY022453.D Date Analyzed: 05/29/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:23

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

	IS4 AREA #		RT #				
12 HOUR STD	144539		13.353				
UPPER LIMIT	289078		13.853				
LOWER LIMIT	72269.5		12.853				
EPA SAMPLE NO.							
VOC	4357	*	13.35				
VY0529SBL01	159461		13.35				
VY0529SBS01	148991		13.35				
VY0529SBSD01	140548		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: **VY022459.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	05/27/25
Project:	98 Morse Ave Nutley	Date Received:	05/28/25
Client Sample ID:	VOC	SDG No.:	Q2147
Lab Sample ID:	Q2147-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.4
Sample Wt/Vol:	5.48 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022459.D	1		05/29/25 12:02	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.87	U	0.87	5.50	ug/Kg
74-83-9	Bromomethane	1.20	UQ	1.20	5.50	ug/Kg
75-00-3	Chloroethane	1.40	UQ	1.40	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.50	ug/Kg
67-64-1	Acetone	5.20	U	5.20	27.7	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.81	U	0.81	5.50	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.50	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.89	U	0.89	5.50	ug/Kg
110-82-7	Cyclohexane	0.87	U	0.87	5.50	ug/Kg
78-93-3	2-Butanone	7.20	U	7.20	27.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	5.50	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.50	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.50	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.87	U	0.87	5.50	ug/Kg
79-01-6	Trichloroethene	0.90	U	0.90	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.86	U	0.86	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	27.7	ug/Kg
108-88-3	Toluene	0.86	U	0.86	5.50	ug/Kg

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:	05/27/25
Project:	98 Morse Ave Nutley	Date Received:	05/28/25
Client Sample ID:	VOC	SDG No.:	Q2147
Lab Sample ID:	Q2147-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.4
Sample Wt/Vol:	5.48 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022459.D	1		05/29/25 12:02	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.69	U	0.69	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	27.7	ug/Kg
124-48-1	Dibromochloromethane	0.96	U	0.96	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.97	U	0.97	5.50	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.50	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	0.74	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.1	ug/Kg
95-47-6	o-Xylene	0.91	U	0.91	5.50	ug/Kg
100-42-5	Styrene	0.79	U	0.79	5.50	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.30	U	3.30	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	3.50	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.5		63 - 155	77%	SPK: 50
1868-53-7	Dibromofluoromethane	41.0		70 - 134	82%	SPK: 50
2037-26-5	Toluene-d8	44.2		74 - 123	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	23.9		17 - 146	48%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	23000	7.713			
540-36-3	1,4-Difluorobenzene	34400	8.622			
3114-55-4	Chlorobenzene-d5	20400	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	4360	13.352			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY022459.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:	05/27/25
Project:	98 Morse Ave Nutley	Date Received:	05/28/25
Client Sample ID:	VOC	SDG No.:	Q2147
Lab Sample ID:	Q2147-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.4
Sample Wt/Vol:	5.48 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022459.D	1		05/29/25 12:02	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013205-57-7	1-Methyldodecylamine	18.8	J		2.10	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022459.D
Acq On : 29 May 2025 12:02
Operator : SY/MD
Sample : Q2147-02
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Time: May 30 05:33:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	22984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	34413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	20399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	4357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	9314	38.473	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 76.940%			
35) Dibromofluoromethane	7.634	113	8261	40.991	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 81.980%			
50) Toluene-d8	10.109	98	36296	44.179	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.360%			
62) 4-Bromofluorobenzene	12.408	95	5950	23.943	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 47.880%			

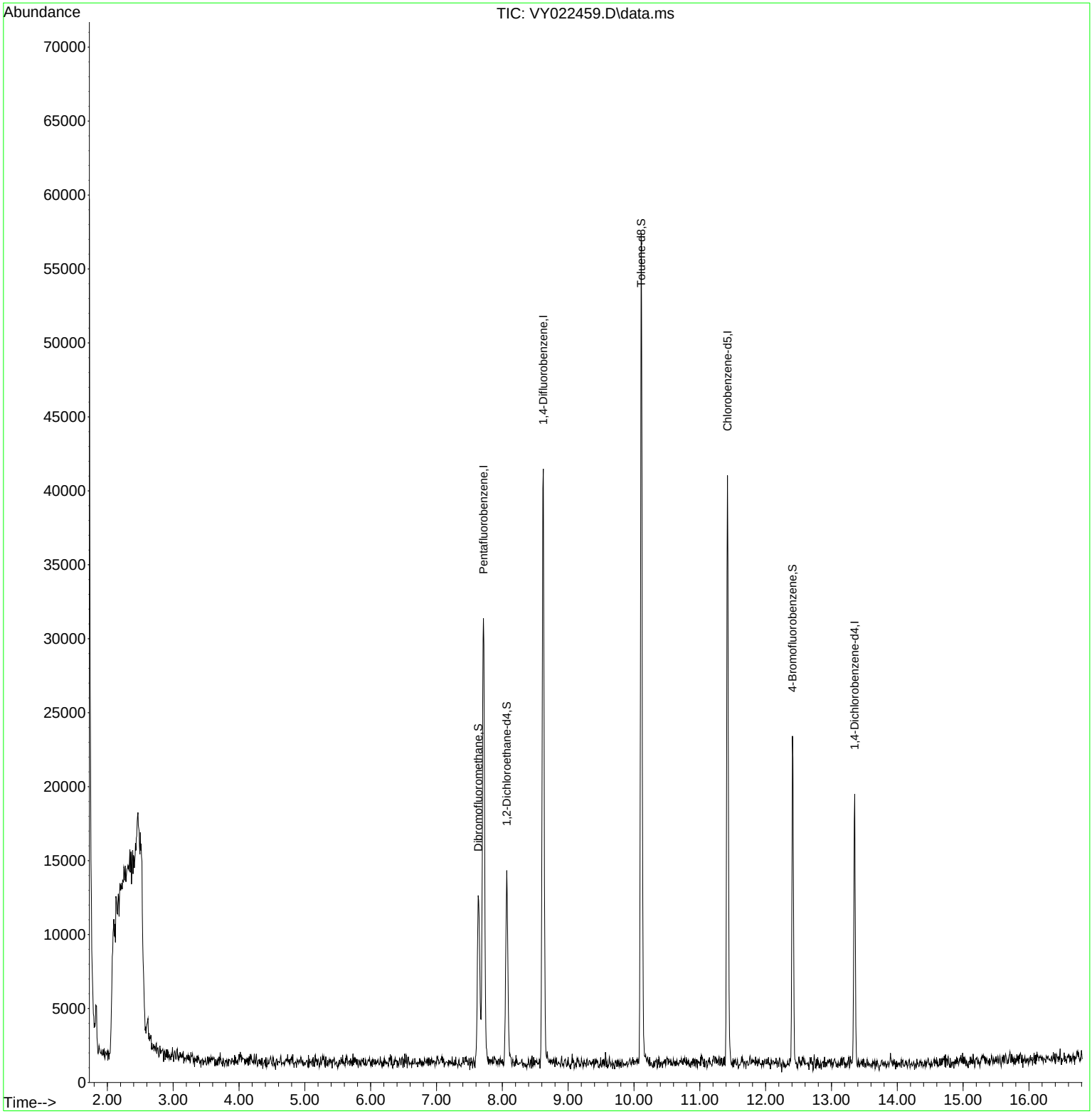
Target Compounds Qvalue

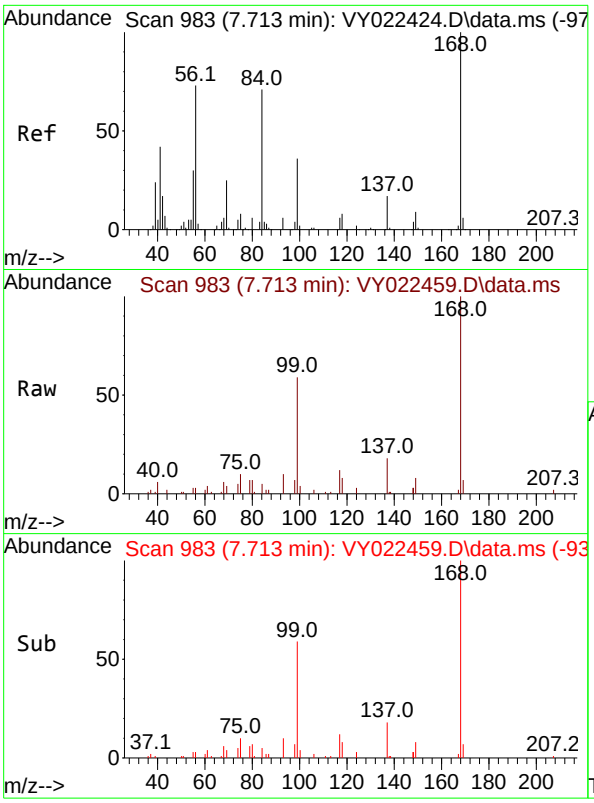
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022459.D
Acq On : 29 May 2025 12:02
Operator : SY/MD
Sample : Q2147-02
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Time: May 30 05:33:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



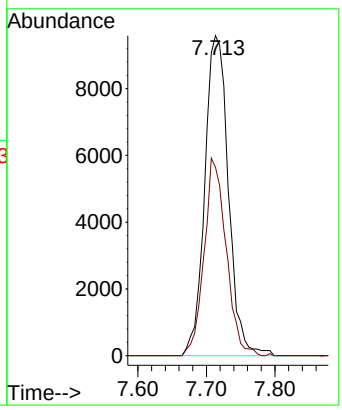


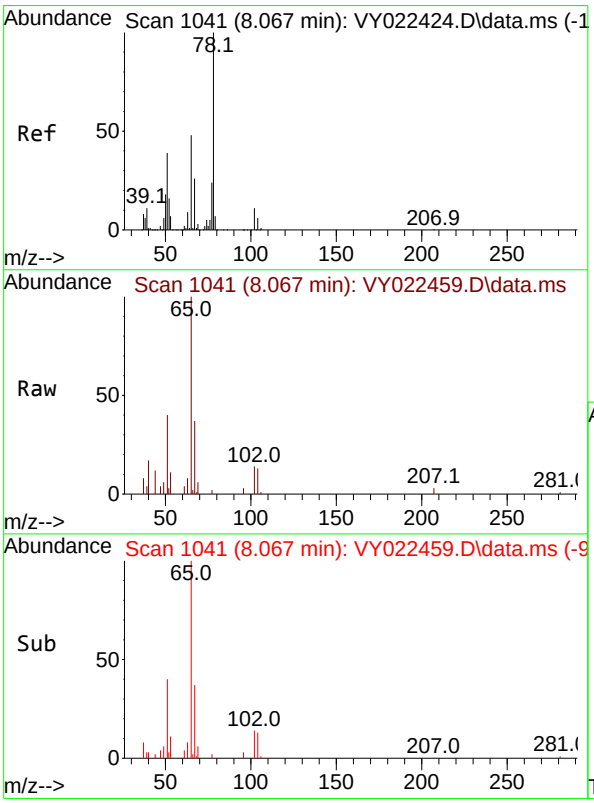
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:168 Resp: 22984

Ion	Ratio	Lower	Upper
168	100		
99	58.9	44.7	67.1

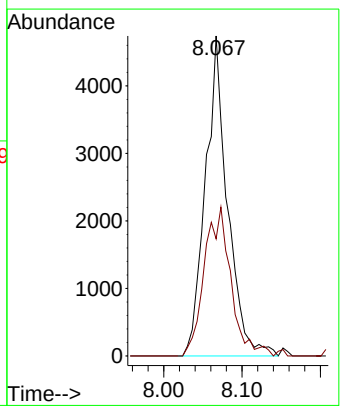


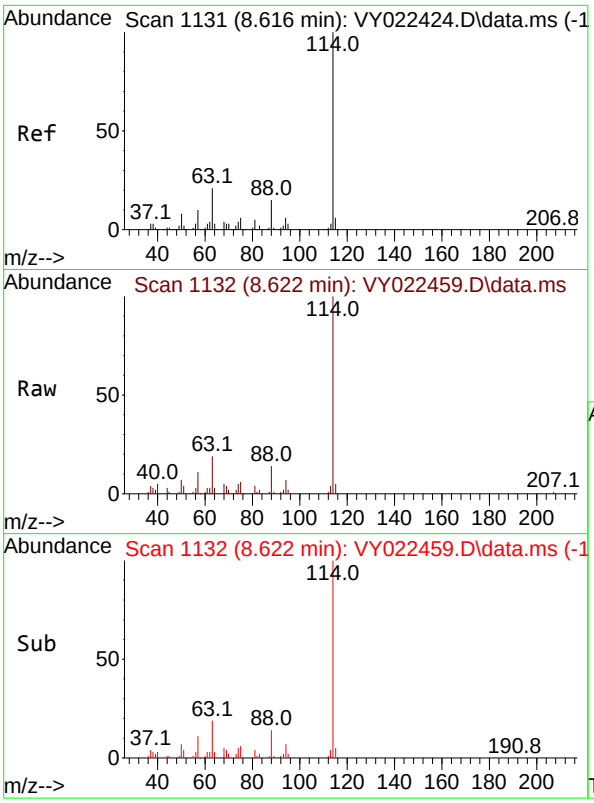


#33
1,2-Dichloroethane-d4
Concen: 38.473 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion: 65 Resp: 9314

Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	104.4



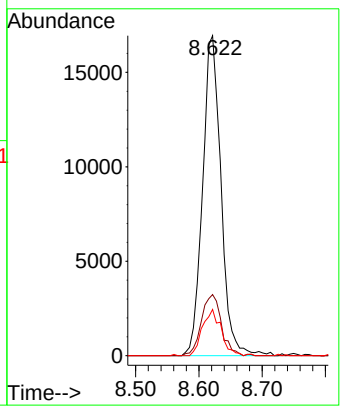


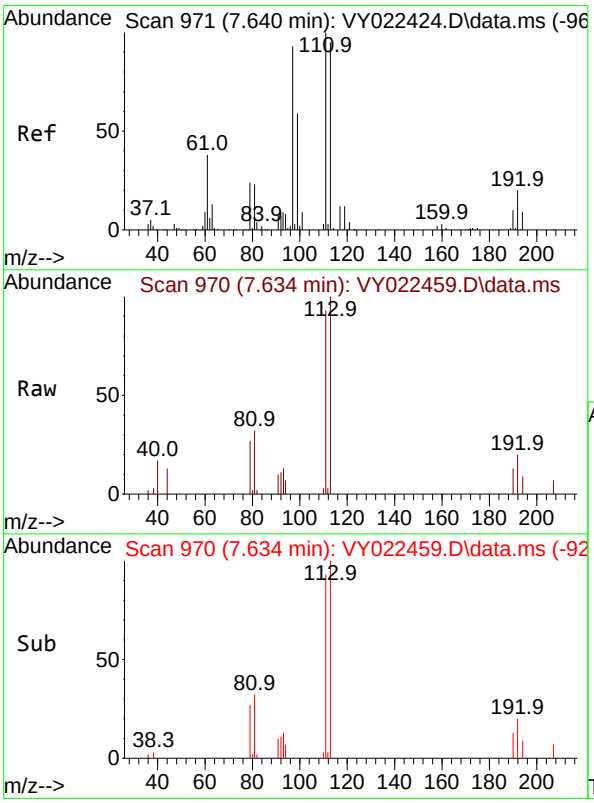
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:114 Resp: 34413

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	42.6
88	14.4	0.0	29.4

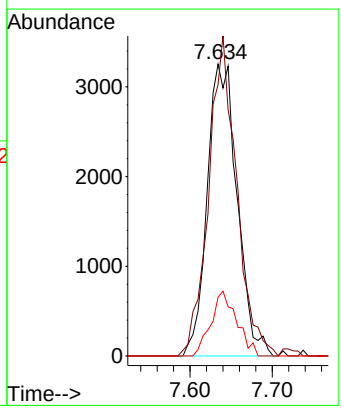


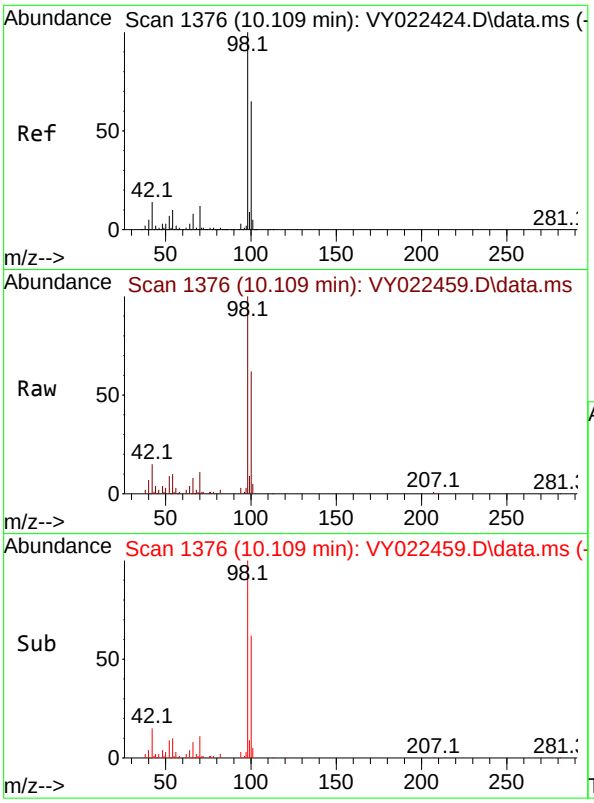


#35
Dibromofluoromethane
Concen: 40.991 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion:113 Resp: 8261

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	19.0	15.2	22.8



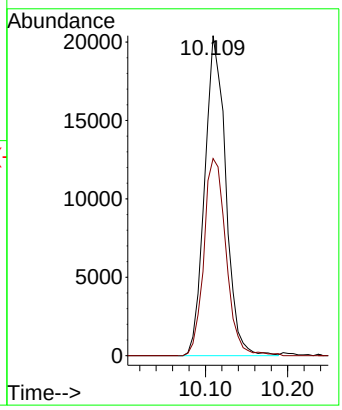


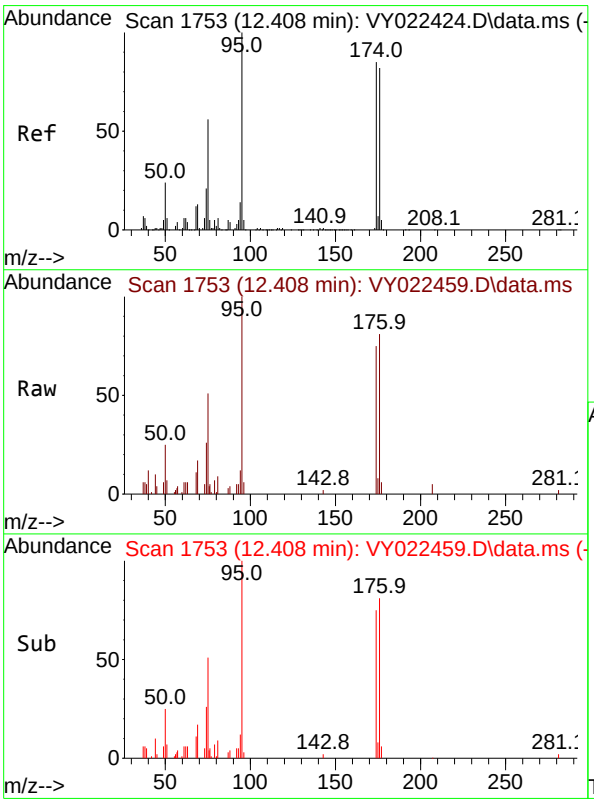
#50
Toluene-d8
Concen: 44.179 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 98 Resp: 36296

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2

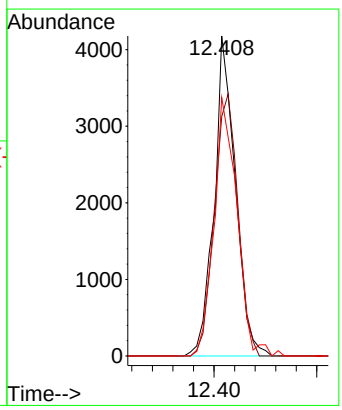


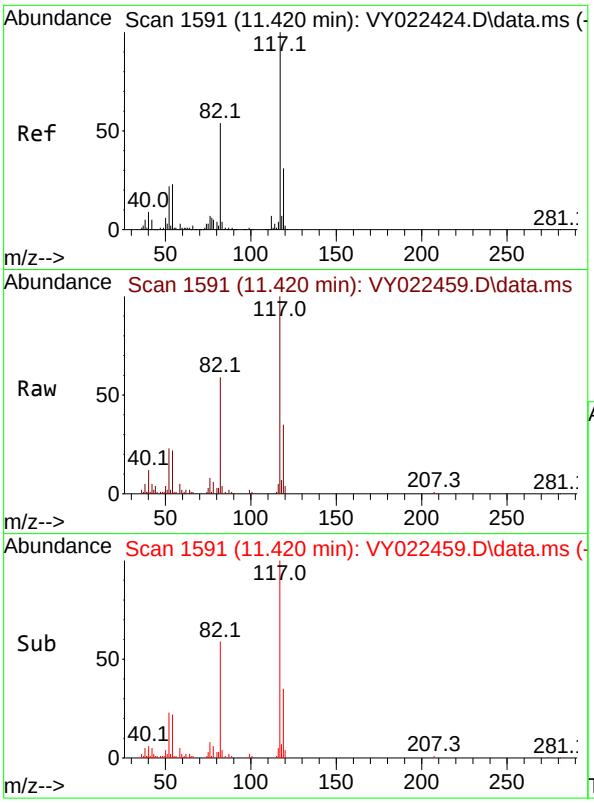


#62
4-Bromofluorobenzene
Concen: 23.943 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion: 95 Resp: 5950

Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	171.6
176	88.1	0.0	164.6



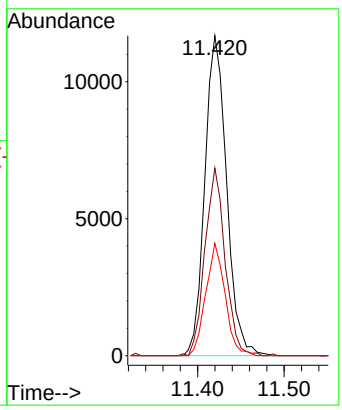


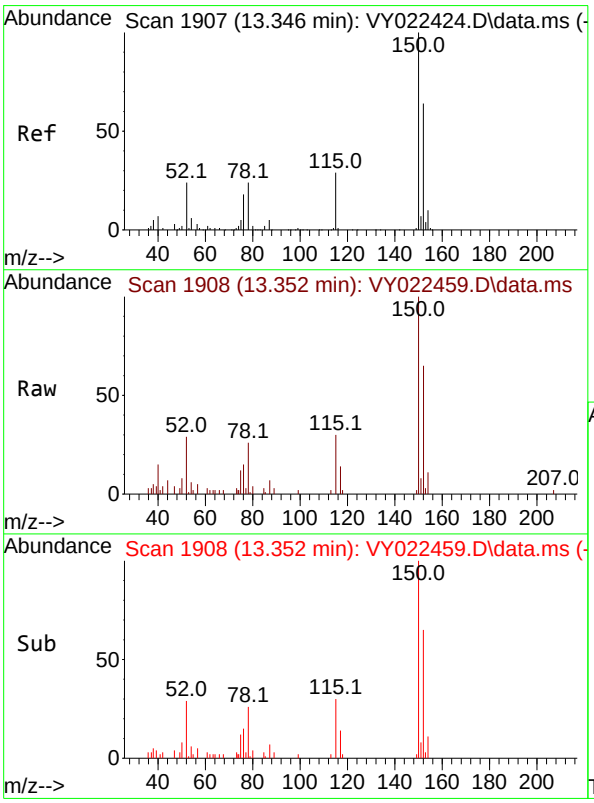
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:117 Resp: 20399

Ion	Ratio	Lower	Upper
117	100		
82	58.7	43.3	64.9
119	35.1	24.5	36.7

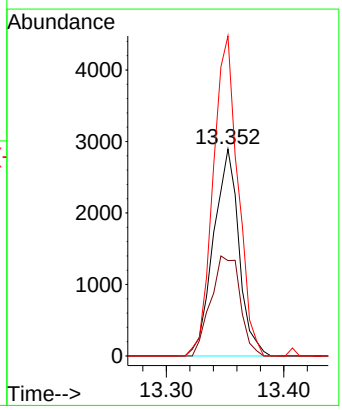




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion:152 Resp: 4357

Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.4	85.3
150	151.0	0.0	345.8



Sample Results: **VY022459.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022459.D
Acq On : 29 May 2025 12:02
Operator : SY/MD
Sample : Q2147-02
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022459.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	15	17	23	rVB3	3279	5045	5.06%	1.010%
2	2.098	52	62	64	rBV3	9080	23933	24.00%	4.790%
3	2.129	66	67	71	rVV3	3779	6031	6.05%	1.207%
4	2.190	75	77	78	rBV2	2243	1878	1.88%	0.376%
5	2.617	142	147	149	rVB6	1409	2203	2.21%	0.441%
6	5.640	638	643	645	rBV2	652	1096	1.10%	0.219%
7	7.524	949	952	956	rBV3	837	1184	1.19%	0.237%
8	7.634	962	970	977	rBV3	11652	31463	31.55%	6.297%
9	7.713	977	983	993	rVB2	29879	70472	70.67%	14.104%
10	8.067	1033	1041	1048	rBV2	13198	29969	30.05%	5.998%
11	8.622	1124	1132	1141	rBV	40532	84821	85.06%	16.976%
12	10.109	1370	1376	1385	rBV	56133	99719	100.00%	19.957%
13	11.024	1525	1526	1532	rVB2	825	1196	1.20%	0.239%
14	11.207	1552	1556	1559	rBV3	684	1099	1.10%	0.220%
15	11.420	1585	1591	1601	rBV	39876	68395	68.59%	13.688%
16	11.633	1622	1626	1632	rVV6	691	1388	1.39%	0.278%
17	12.408	1748	1753	1759	rBV3	21990	35002	35.10%	7.005%
18	12.737	1804	1807	1810	rBV2	1091	1303	1.31%	0.261%
19	13.352	1901	1908	1915	rVB2	18422	28971	29.05%	5.798%
20	13.895	1993	1997	2002	rBV3	908	1292	1.30%	0.259%
21	15.645	2282	2284	2289	rVV3	768	1021	1.02%	0.204%
22	15.712	2291	2295	2297	rVV4	853	1152	1.16%	0.231%
23	16.419	2408	2411	2415	rBV3	668	1028	1.03%	0.206%

Sum of corrected areas: 499661

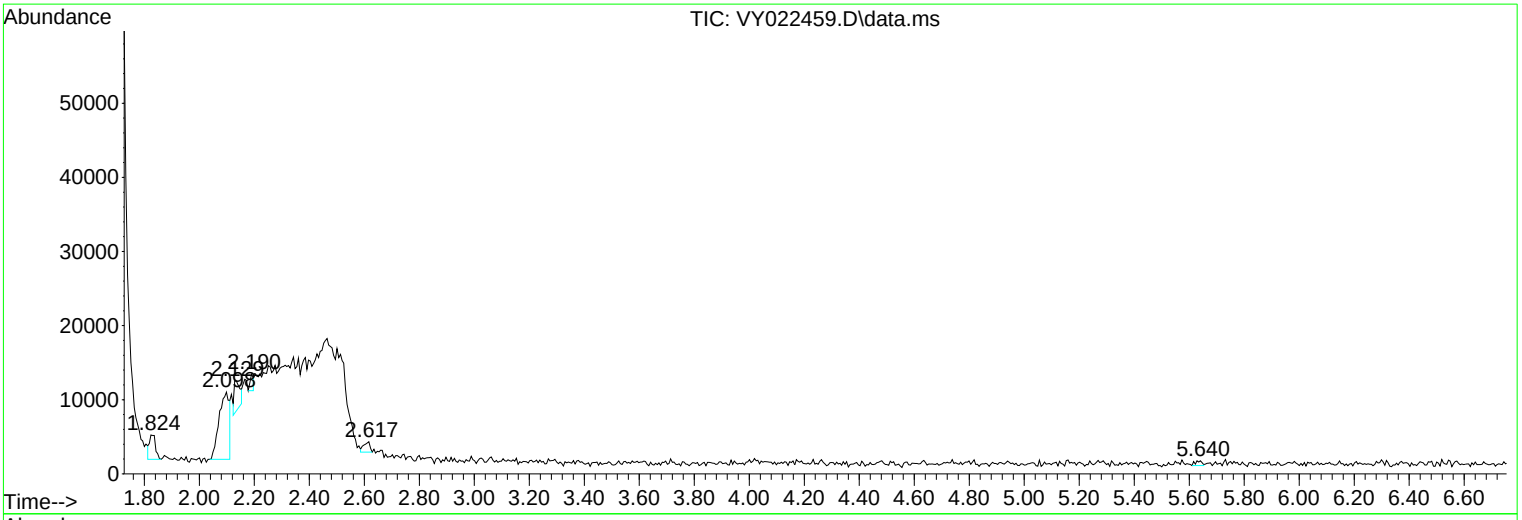
Sample Results: **VY022459.D**

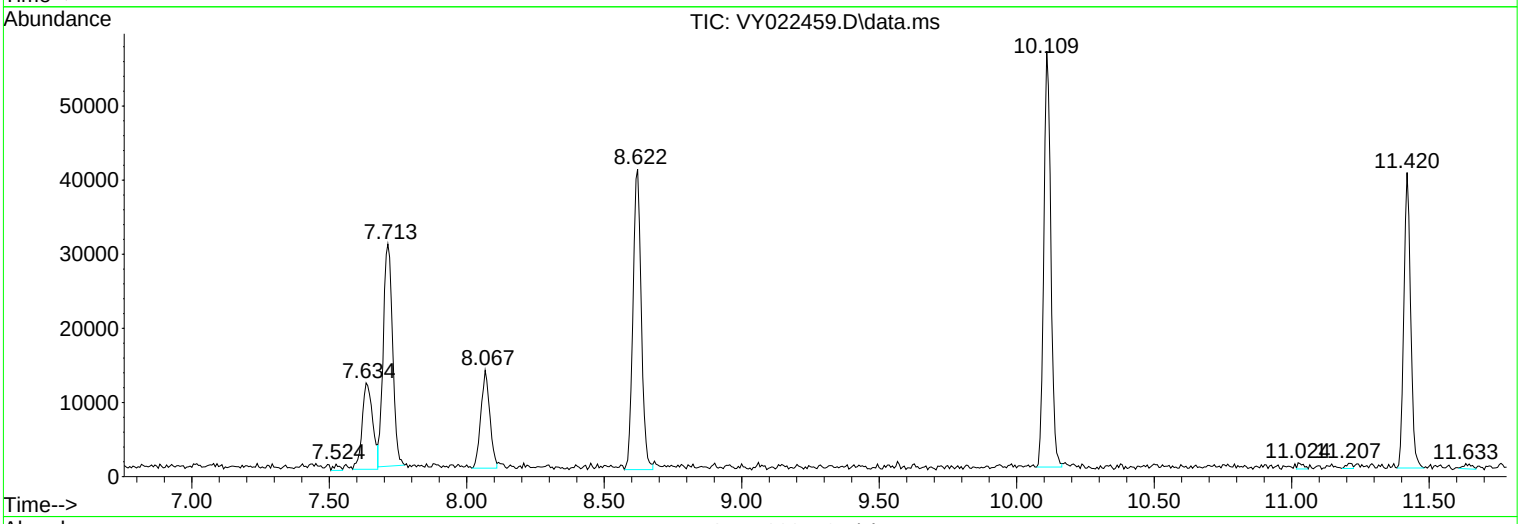
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022459.D
Acq On : 29 May 2025 12:02
Operator : SY/MD
Sample : Q2147-02
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

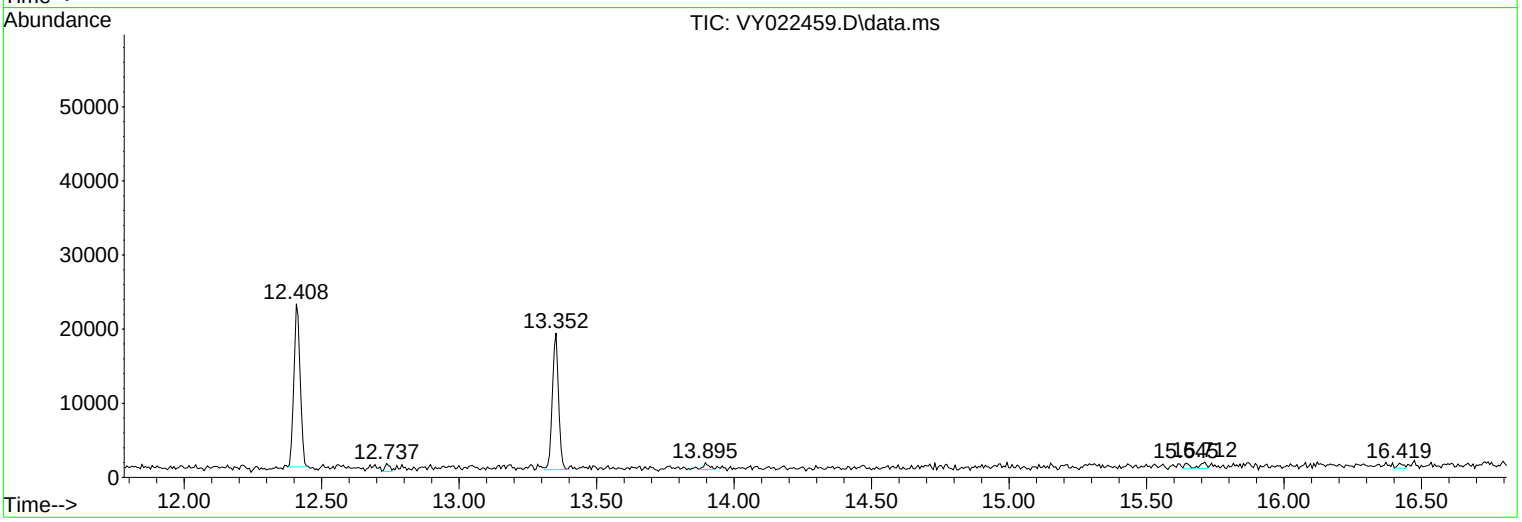
Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022459.D
Acq On : 29 May 2025 12:02
Operator : SY/MD
Sample : Q2147-02
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

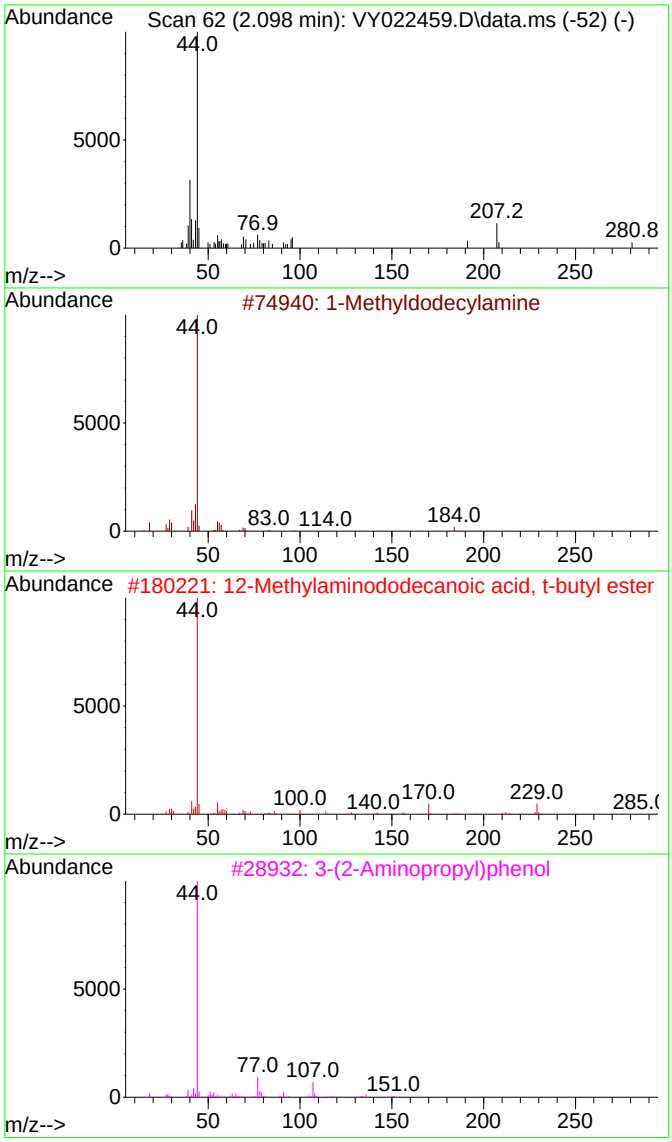
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

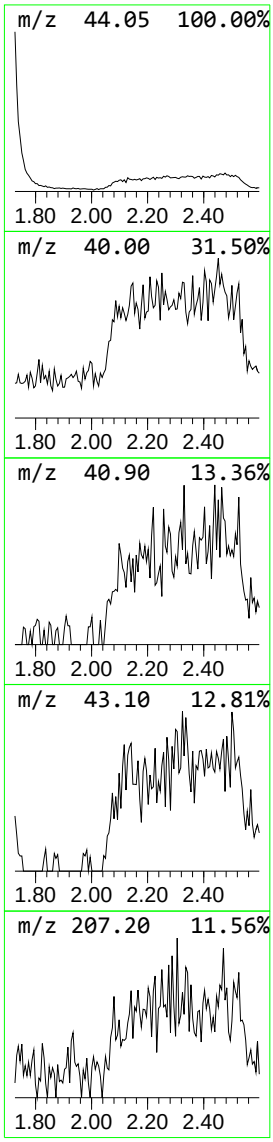
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1-Methyldodecylamine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.098	16.98 ug/l	23933	Pentafluorobenzene	7.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldodecylamine	199	C13H29N	013205-57-7	50
2	12-Methylaminododecanoic acid, t...	285	C17H35NO2	1000194-27-6	42
3	3-(2-Aminopropyl)phenol	151	C9H13NO	001075-61-2	38
4	Acetic acid, hydroxy[(1-oxo-2-pr...	145	C5H7NO4	006737-24-2	36
5	4-Fluorohistamine	129	C5H8FN3	049872-60-8	36





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022459.D
Acq On : 29 May 2025 12:02
Operator : SY/MD
Sample : Q2147-02
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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
1-Methyldodecyl...	2.098	17.0	ug/l	23933	1	7.713	70472	50.0

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: CHEMTECH Contract: SCIA01

Lab Code: CHEM Case No.: Q2147 SAS No.: Q2147 SDG No.: Q2147

Instrument ID: MSVOA_Y Calibration Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:50 10:44

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

LAB FILE ID: RRF005 = VY022421.D RRF010 = VY022422.D RRF020 = VY022423.D
RRF050 = VY022424.D RRF100 = VY022425.D RRF150 = VY022426.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.544	0.509	0.526	0.423	0.430	0.429	0.477	11.6
Chloromethane	1.364	1.331	1.300	1.196	0.936	0.912	1.173	17.1
Vinyl Chloride	1.535	1.493	1.522	1.453	1.292	1.257	1.425	8.5
Bromomethane	1.261	1.281	1.397	1.275	1.213	1.345	1.295	5.1
Chloroethane	0.930	0.881	0.949	1.015	0.907	0.907	0.932	5
Trichlorofluoromethane	1.243	1.174	1.222	1.197	1.187	1.193	1.203	2.1
1,1,2-Trichlorotrifluoroethane	0.552	0.517	0.541	0.520	0.523	0.512	0.528	2.9
1,1-Dichloroethene	0.552	0.512	0.533	0.511	0.520	0.515	0.524	3
Acetone	0.094	0.090	0.081	0.085	0.086	0.083	0.087	5.6
Carbon Disulfide	1.672	1.675	1.707	1.653	1.672	1.650	1.672	1.2
Methyl tert-butyl Ether	1.353	1.359	1.357	1.386	1.445	1.445	1.391	3.1
Methyl Acetate	0.288	0.319	0.296	0.308	0.351	0.383	0.324	11.2
Methylene Chloride	0.778	0.669	0.578	0.549	0.550	0.543	0.611	15.5
trans-1,2-Dichloroethene	0.595	0.556	0.555	0.561	0.582	0.582	0.572	2.9
1,1-Dichloroethane	1.000	0.986	1.035	1.027	1.062	1.056	1.028	2.9
Cyclohexane	1.220	1.044	0.997	0.939	0.947	0.931	1.013	10.9
2-Butanone	0.137	0.144	0.136	0.142	0.152	0.154	0.144	5.2
Carbon Tetrachloride	0.473	0.456	0.471	0.481	0.510	0.512	0.484	4.7
cis-1,2-Dichloroethene	0.655	0.647	0.650	0.652	0.684	0.685	0.662	2.6
Bromochloromethane	0.400	0.426	0.435	0.439	0.439	0.437	0.429	3.5
Chloroform	0.966	0.970	1.023	1.026	1.052	1.038	1.013	3.5
1,1,1-Trichloroethane	0.900	0.894	0.916	0.913	0.952	0.940	0.919	2.5
Methylcyclohexane	0.611	0.602	0.603	0.614	0.638	0.636	0.618	2.6
Benzene	1.308	1.312	1.360	1.391	1.463	1.461	1.383	5
1,2-Dichloroethane	0.348	0.348	0.360	0.369	0.383	0.384	0.365	4.5
Trichloroethene	0.334	0.325	0.344	0.343	0.357	0.347	0.342	3.3
1,2-Dichloropropane	0.321	0.307	0.318	0.323	0.342	0.339	0.325	4
Bromodichloromethane	0.452	0.449	0.449	0.464	0.493	0.494	0.467	4.5
4-Methyl-2-Pentanone	0.185	0.197	0.198	0.218	0.237	0.242	0.213	10.8
Toluene	0.782	0.805	0.842	0.868	0.929	0.957	0.864	7.9

* 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

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: CHEMTECH Contract: SCIA01

Lab Code: CHEM Case No.: Q2147 SAS No.: Q2147 SDG No.: Q2147

Instrument ID: MSVOA_Y Calibration Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:50 10:44

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

LAB FILE ID: RRF005 = VY022421.D RRF010 = VY022422.D RRF020 = VY022423.D
RRF050 = VY022424.D RRF100 = VY022425.D RRF150 = VY022426.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.400	0.414	0.416	0.434	0.472	0.473	0.435	7.1
cis-1,3-Dichloropropene	0.477	0.480	0.504	0.508	0.549	0.547	0.511	6.1
1,1,2-Trichloroethane	0.219	0.216	0.226	0.229	0.243	0.243	0.229	5.1
2-Hexanone	0.121	0.125	0.129	0.145	0.157	0.159	0.140	12
Dibromochloromethane	0.258	0.274	0.284	0.302	0.320	0.321	0.293	8.7
1,2-Dibromoethane	0.199	0.189	0.207	0.215	0.223	0.225	0.210	6.8
Tetrachloroethene	0.433	0.417	0.433	0.429	0.429	0.413	0.426	2.1
Chlorobenzene	1.020	1.000	1.051	1.067	1.132	1.127	1.066	5.1
Ethyl Benzene	1.823	1.828	1.920	1.980	2.142	2.185	1.980	7.8
m/p-Xylenes	0.698	0.660	0.723	0.756	0.825	0.841	0.751	9.5
o-Xylene	0.654	0.637	0.673	0.709	0.768	0.792	0.705	8.9
Styrene	1.037	1.020	1.117	1.197	1.317	1.359	1.175	12.1
Bromoform	0.169	0.176	0.184	0.192	0.206	0.210	0.189	8.6
Isopropylbenzene	3.863	3.741	3.946	3.871	4.105	4.086	3.935	3.6
1,1,2,2-Tetrachloroethane	0.623	0.574	0.604	0.615	0.652	0.653	0.620	4.8
1,3-Dichlorobenzene	1.587	1.558	1.674	1.695	1.836	1.874	1.704	7.5
1,4-Dichlorobenzene	1.596	1.527	1.617	1.642	1.707	1.687	1.629	4
1,2-Dichlorobenzene	1.383	1.332	1.431	1.416	1.495	1.482	1.423	4.3
1,2-Dibromo-3-Chloropropane	0.103	0.093	0.096	0.093	0.093	0.096	0.096	3.8
1,2,4-Trichlorobenzene	0.714	0.724	0.771	0.828	0.842	0.856	0.789	7.8
1,2,3-Trichlorobenzene	0.575	0.554	0.644	0.684	0.703	0.722	0.647	10.7
1,2-Dichloroethane-d4	0.507	0.525	0.517	0.532	0.541	0.538	0.527	2.5
Dibromofluoromethane	0.287	0.281	0.283	0.290	0.309	0.308	0.293	4.3
Toluene-d8	1.159	1.133	1.168	1.176	1.274	1.251	1.194	4.7
4-Bromofluorobenzene	0.377	0.331	0.345	0.355	0.382	0.376	0.361	5.7

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

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022421.D
Acq On : 27 May 2025 08:50
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	266668	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	453411	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	366267	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	162324	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	13513	4.811	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 9.620%#				
35) Dibromofluoromethane	7.640	113	13007	4.898	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.800%#				
50) Toluene-d8	10.115	98	52564	4.856	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.720%#				
62) 4-Bromofluorobenzene	12.408	95	17111	5.226	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 10.460%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	14514	5.705	ug/l		97
3) Chloromethane	2.068	50	36383	5.814	ug/l		99
4) Vinyl Chloride	2.208	62	40931	5.384	ug/l		100
5) Bromomethane	2.604	94	33633	4.868	ug/l		95
6) Chloroethane	2.739	64	24812	4.994	ug/l		99
7) Trichlorofluoromethane	3.062	101	33151	5.168	ug/l		96
8) Diethyl Ether	3.464	74	7356	4.974	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.824	101	14725	5.233	ug/l		98
10) Methyl Iodide	4.013	142	13178	4.151	ug/l		96
11) Tert butyl alcohol	4.872	59	4995m	25.228	ug/l		
12) 1,1-Dichloroethene	3.799	96	14718	5.268	ug/l		94
13) Acrolein	3.665	56	6888	23.219	ug/l	#	77
14) Allyl chloride	4.397	41	20931	4.980	ug/l		95
15) Acrylonitrile	5.080	53	14224	23.859	ug/l		96
16) Acetone	3.885	43	12519	27.123	ug/l	#	89
17) Carbon Disulfide	4.110	76	44596	5.002	ug/l		96
18) Methyl Acetate	4.391	43	7671	4.437	ug/l		93
19) Methyl tert-butyl Ether	5.128	73	36078	4.864	ug/l		98
20) Methylene Chloride	4.622	84	20751	6.367	ug/l		94
21) trans-1,2-Dichloroethene	5.128	96	15870	5.203	ug/l		91
22) Diisopropyl ether	6.025	45	45596	4.916	ug/l		95
23) Vinyl Acetate	5.970	43	129326	24.282	ug/l		99
24) 1,1-Dichloroethane	5.927	63	26673	4.866	ug/l		97
25) 2-Butanone	6.909	43	18294	23.799	ug/l		97
26) 2,2-Dichloropropane	6.896	77	24997	5.037	ug/l		99
27) cis-1,2-Dichloroethene	6.902	96	17459	4.944	ug/l		97
28) Bromochloromethane	7.250	49	10658	4.657	ug/l	#	98
29) Tetrahydrofuran	7.274	42	12618	24.613	ug/l		99
30) Chloroform	7.433	83	25766	4.771	ug/l		99
31) Cyclohexane	7.713	56	32546	6.024	ug/l	#	81
32) 1,1,1-Trichloroethane	7.622	97	23999	4.896	ug/l		99
36) 1,1-Dichloropropene	7.847	75	21399	5.079	ug/l		98
37) Ethyl Acetate	6.988	43	8953	5.000	ug/l		97
38) Carbon Tetrachloride	7.829	117	21453	4.888	ug/l		99
39) Methylcyclohexane	9.115	83	27716	4.948	ug/l		98
40) Benzene	8.085	78	59324	4.732	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022421.D
Acq On : 27 May 2025 08:50
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	5545m	2.353	ug/l		
42) 1,2-Dichloroethane	8.164	62	15776	4.764	ug/l		98
43) Isopropyl Acetate	8.201	43	18244	4.662	ug/l		98
44) Trichloroethene	8.872	130	15132	4.882	ug/l		87
45) 1,2-Dichloropropane	9.146	63	14536	4.935	ug/l		95
46) Dibromomethane	9.237	93	8142	4.948	ug/l		94
47) Bromodichloromethane	9.426	83	20477	4.839	ug/l		94
48) Methyl methacrylate	9.225	41	8390	4.619	ug/l		95
49) 1,4-Dioxane	9.256	88	1711	94.135	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.006	43	42047	21.778	ug/l		95
52) Toluene	10.176	92	35452	4.527	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	18117	4.596	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	21634	4.671	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	9913	4.765	ug/l		92
56) Ethyl methacrylate	10.444	69	12714	4.258	ug/l		94
57) 1,3-Dichloropropane	10.725	76	17193	4.689	ug/l		92
58) 2-Chloroethyl Vinyl ether	9.719	63	32506	21.845	ug/l		96
59) 2-Hexanone	10.768	43	27506	21.739	ug/l		99
60) Dibromochloromethane	10.914	129	11708	4.405	ug/l		95
61) 1,2-Dibromoethane	11.024	107	9019	4.739	ug/l		99
64) Tetrachloroethene	10.652	164	15876	5.090	ug/l		94
65) Chlorobenzene	11.444	112	37368	4.785	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	11929	4.508	ug/l		95
67) Ethyl Benzene	11.524	91	66757	4.603	ug/l		96
68) m/p-Xylenes	11.633	106	51109	9.296	ug/l		96
69) o-Xylene	11.956	106	23941	4.633	ug/l		98
70) Styrene	11.975	104	37982	4.414	ug/l		98
71) Bromoform	12.139	173	6180	4.459	ug/l	#	99
73) Isopropylbenzene	12.255	105	62701	4.908	ug/l		99
74) N-amyl acetate	12.072	43	14329	4.584	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	10107	5.021	ug/l		96
76) 1,2,3-Trichloropropane	12.554	75	7617m	2.848	ug/l		
77) Bromobenzene	12.536	156	13050	4.747	ug/l		98
78) n-propylbenzene	12.597	91	74444	4.856	ug/l		100
79) 2-Chlorotoluene	12.682	91	41511	5.002	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	47346	4.743	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	3492	4.857	ug/l		97
82) 4-Chlorotoluene	12.779	91	41039	4.801	ug/l		97
83) tert-Butylbenzene	12.999	119	44656	4.951	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	47206	4.699	ug/l		98
85) sec-Butylbenzene	13.182	105	65492	4.897	ug/l		100
86) p-Isopropyltoluene	13.298	119	51853	4.643	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	25760	4.657	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	25910	4.899	ug/l		92
89) n-Butylbenzene	13.621	91	50178	4.792	ug/l		98
90) Hexachloroethane	13.883	117	11019	4.958	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	22457	4.860	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1667	5.360	ug/l		82
93) 1,2,4-Trichlorobenzene	14.925	180	11591	4.525	ug/l		96
94) Hexachlorobutadiene	15.029	225	6893	5.128	ug/l		97
95) Naphthalene	15.151	128	20065	4.237	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	9338	4.445	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022421.D
Acq On : 27 May 2025 08:50
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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

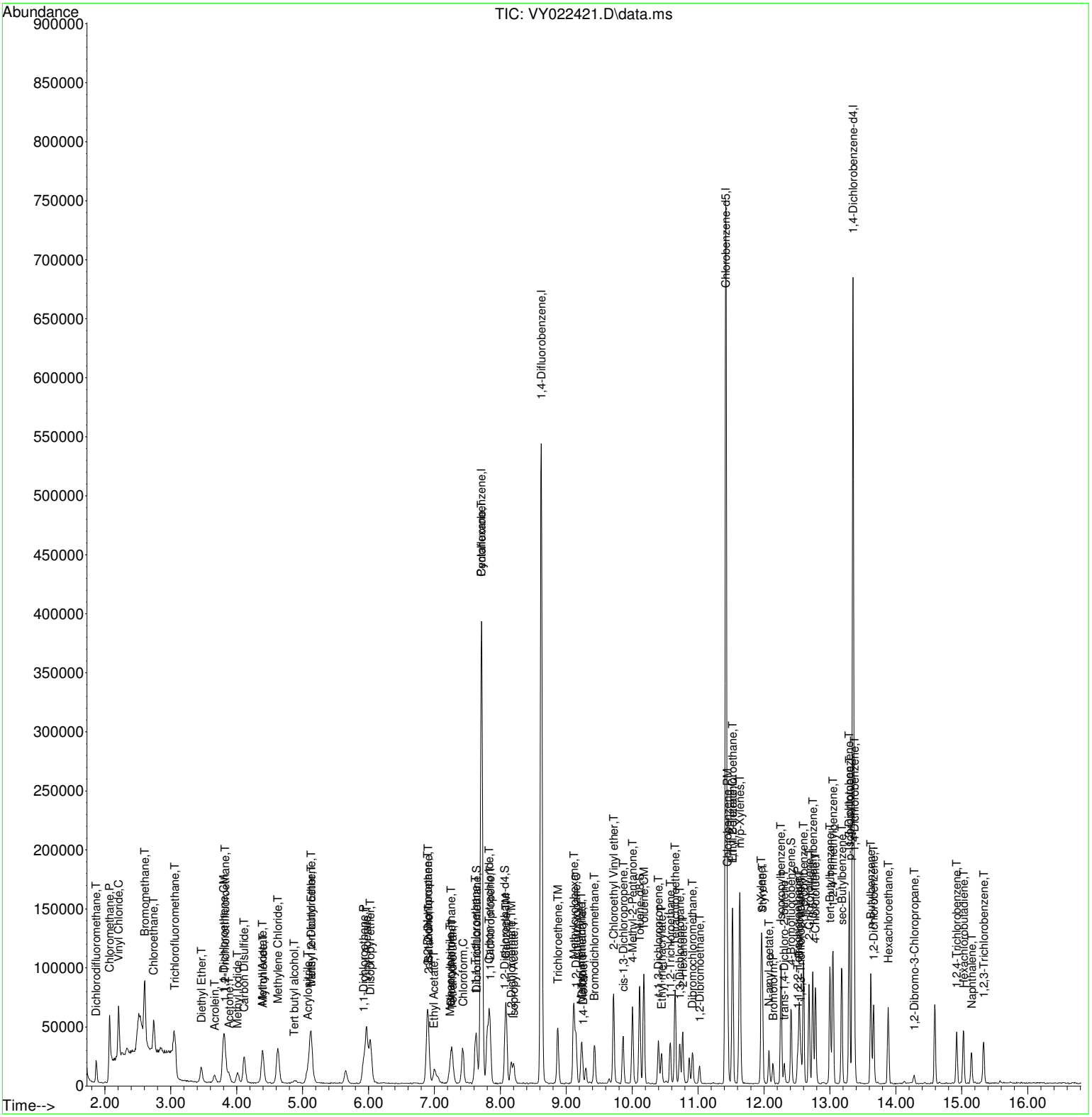
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022421.D
Acq On : 27 May 2025 08:50
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 09:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022422.D
Acq On : 27 May 2025 09:14
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:43:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	256391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	436685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	26927	9.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.940%#		
35) Dibromofluoromethane	7.640	113	24509	9.584	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.160%#		
50) Toluene-d8	10.109	98	98965	9.493	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.980%#		
62) 4-Bromofluorobenzene	12.408	95	28894	9.163	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.320%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	26076	10.660	ug/l	95
3) Chloromethane	2.068	50	68253	11.343	ug/l	98
4) Vinyl Chloride	2.208	62	76561	10.474	ug/l	96
5) Bromomethane	2.598	94	65697	9.890	ug/l	97
6) Chloroethane	2.745	64	45164	9.455	ug/l	98
7) Trichlorofluoromethane	3.056	101	60209	9.763	ug/l	100
8) Diethyl Ether	3.464	74	14042	9.875	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.824	101	26527	9.804	ug/l	99
10) Methyl Iodide	4.013	142	26870	8.803	ug/l	97
11) Tert butyl alcohol	4.897	59	9619	50.530	ug/l	97
12) 1,1-Dichloroethene	3.793	96	26273	9.781	ug/l	90
13) Acrolein	3.665	56	13770	48.278	ug/l	97
14) Allyl chloride	4.385	41	38553	9.541	ug/l	94
15) Acrylonitrile	5.068	53	28120	49.059	ug/l	98
16) Acetone	3.873	43	23174	52.221	ug/l	95
17) Carbon Disulfide	4.116	76	85913	10.022	ug/l	100
18) Methyl Acetate	4.397	43	16359	9.841	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	69672	9.769	ug/l	98
20) Methylene Chloride	4.622	84	34301	10.946	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	28516	9.724	ug/l	94
22) Diisopropyl ether	6.025	45	87002	9.756	ug/l	97
23) Vinyl Acetate	5.970	43	244848	47.816	ug/l	98
24) 1,1-Dichloroethane	5.915	63	50541	9.591	ug/l	97
25) 2-Butanone	6.903	43	36872	49.890	ug/l	96
26) 2,2-Dichloropropane	6.896	77	46164	9.675	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	33197	9.778	ug/l	99
28) Bromochloromethane	7.250	49	21845	9.927	ug/l	98
29) Tetrahydrofuran	7.268	42	24020	48.732	ug/l	97
30) Chloroform	7.427	83	49760	9.583	ug/l	94
31) Cyclohexane	7.707	56	53552	10.309	ug/l #	94
32) 1,1,1-Trichloroethane	7.622	97	45829	9.725	ug/l	98
36) 1,1-Dichloropropene	7.841	75	38161	9.404	ug/l	98
37) Ethyl Acetate	6.994	43	16222	9.406	ug/l	97
38) Carbon Tetrachloride	7.829	117	39797	9.414	ug/l	92
39) Methylcyclohexane	9.109	83	52603	9.751	ug/l	98
40) Benzene	8.085	78	114576	9.489	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022422.D
Acq On : 27 May 2025 09:14
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:43:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	9438m	4.158	ug/l		
42) 1,2-Dichloroethane	8.165	62	30350	9.517	ug/l		99
43) Isopropyl Acetate	8.207	43	36584	9.707	ug/l		98
44) Trichloroethene	8.872	130	28407	9.516	ug/l		95
45) 1,2-Dichloropropane	9.146	63	26802	9.447	ug/l		98
46) Dibromomethane	9.238	93	14820	9.351	ug/l		98
47) Bromodichloromethane	9.427	83	39207	9.620	ug/l		97
48) Methyl methacrylate	9.225	41	16163	9.239	ug/l		95
49) 1,4-Dioxane	9.238	88	3170	181.086	ug/l		96
51) 4-Methyl-2-Pentanone	10.006	43	86201	46.358	ug/l		98
52) Toluene	10.176	92	70294	9.320	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	36171	9.528	ug/l		93
54) cis-1,3-Dichloropropene	9.859	75	41945	9.403	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	18882	9.423	ug/l		98
56) Ethyl methacrylate	10.445	69	26658	9.270	ug/l		99
57) 1,3-Dichloropropane	10.719	76	33854	9.587	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	66205	46.196	ug/l		100
59) 2-Hexanone	10.762	43	54792	44.963	ug/l		99
60) Dibromochloromethane	10.914	129	23908	9.340	ug/l		99
61) 1,2-Dibromoethane	11.018	107	16524	9.016	ug/l		91
64) Tetrachloroethene	10.652	164	30237	9.789	ug/l		95
65) Chlorobenzene	11.444	112	72507	9.376	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	23791	9.080	ug/l		95
67) Ethyl Benzene	11.524	91	132623	9.236	ug/l		99
68) m/p-Xylenes	11.633	106	95743	17.586	ug/l		95
69) o-Xylene	11.957	106	46196	9.028	ug/l		98
70) Styrene	11.975	104	73993	8.685	ug/l		97
71) Bromoform	12.133	173	12746	9.287	ug/l	#	99
73) Isopropylbenzene	12.255	105	121960	9.507	ug/l		99
74) N-amyl acetate	12.072	43	28607	9.114	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	18720	9.262	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	17196m	6.404	ug/l		
77) Bromobenzene	12.536	156	26457	9.584	ug/l		99
78) n-propylbenzene	12.597	91	145616	9.459	ug/l		100
79) 2-Chlorotoluene	12.682	91	79070	9.488	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	93557	9.334	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	6931	9.601	ug/l		97
82) 4-Chlorotoluene	12.780	91	80299	9.356	ug/l		98
83) tert-Butylbenzene	12.999	119	83455	9.216	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	93094	9.230	ug/l		99
85) sec-Butylbenzene	13.176	105	123436	9.191	ug/l		99
86) p-Isopropyltoluene	13.292	119	100168	8.932	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	50790	9.144	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	49773	9.372	ug/l		95
89) n-Butylbenzene	13.621	91	93025	8.847	ug/l		98
90) Hexachloroethane	13.883	117	20778	9.310	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	43417	9.358	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3042	9.740	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	23591	9.172	ug/l		98
94) Hexachlorobutadiene	15.023	225	12088	8.956	ug/l		99
95) Naphthalene	15.145	128	42212	8.878	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	18071	8.567	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022422.D
Acq On : 27 May 2025 09:14
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:43:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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

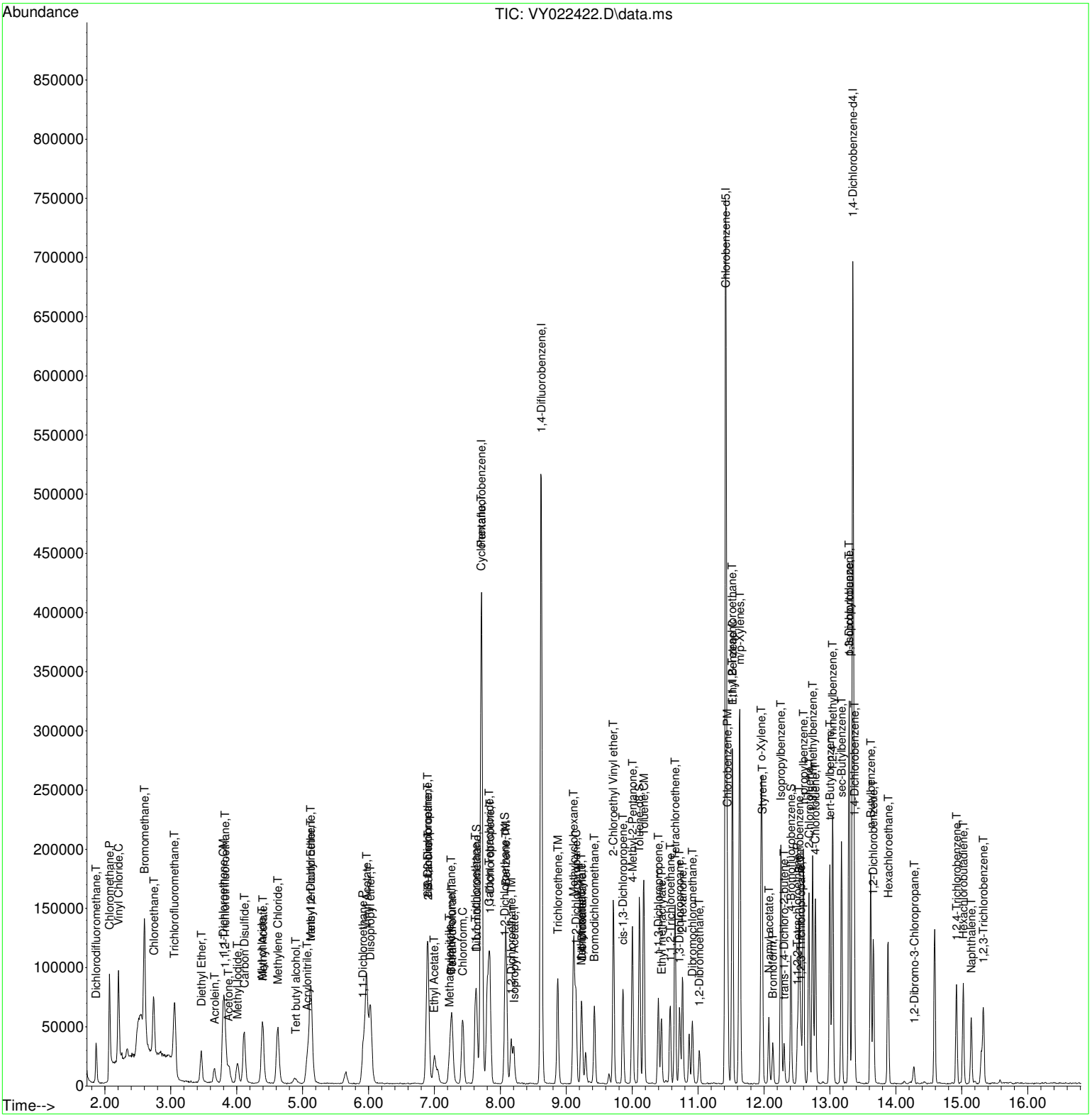
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022422.D
Acq On : 27 May 2025 09:14
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 28 09:43:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022423.D
Acq On : 27 May 2025 09:36
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:49:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	252702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	427651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	358898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	162048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52229	19.622	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.240%#		
35) Dibromofluoromethane	7.640	113	48414	19.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.660%#		
50) Toluene-d8	10.109	98	199816	19.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.140%#		
62) 4-Bromofluorobenzene	12.408	95	59022	19.112	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	53184	22.059	ug/l	100
3) Chloromethane	2.068	50	131430	22.162	ug/l	96
4) Vinyl Chloride	2.208	62	153844	21.354	ug/l	97
5) Bromomethane	2.592	94	141241	21.573	ug/l	99
6) Chloroethane	2.739	64	95915	20.373	ug/l	98
7) Trichlorofluoromethane	3.056	101	123550	20.326	ug/l	99
8) Diethyl Ether	3.458	74	27436	19.575	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	54677	20.503	ug/l	100
10) Methyl Iodide	4.013	142	61032	20.286	ug/l	100
11) Tert butyl alcohol	4.885	59	18099	96.464	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	53871	20.347	ug/l	99
13) Acrolein	3.659	56	28252	100.498	ug/l	98
14) Allyl chloride	4.391	41	80449	20.200	ug/l	97
15) Acrylonitrile	5.067	53	55206	97.719	ug/l	100
16) Acetone	3.879	43	40769	93.210	ug/l	92
17) Carbon Disulfide	4.110	76	172558	20.423	ug/l	100
18) Methyl Acetate	4.397	43	29942	18.275	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	137123	19.508	ug/l	97
20) Methylene Chloride	4.622	84	58412	18.912	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	56105	19.411	ug/l	99
22) Diisopropyl ether	6.025	45	175073	19.918	ug/l	99
23) Vinyl Acetate	5.964	43	504103	99.882	ug/l	99
24) 1,1-Dichloroethane	5.927	63	104623	20.143	ug/l	100
25) 2-Butanone	6.902	43	68733	94.358	ug/l	99
26) 2,2-Dichloropropane	6.890	77	94730	20.142	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	65719	19.640	ug/l	99
28) Bromochloromethane	7.250	49	43955	20.266	ug/l	99
29) Tetrahydrofuran	7.268	42	46611	95.946	ug/l	99
30) Chloroform	7.427	83	103440	20.211	ug/l	96
31) Cyclohexane	7.707	56	100786	19.685	ug/l	93
32) 1,1,1-Trichloroethane	7.628	97	92540	19.923	ug/l	99
36) 1,1-Dichloropropene	7.841	75	77871	19.594	ug/l	99
37) Ethyl Acetate	6.994	43	32871	19.462	ug/l	98
38) Carbon Tetrachloride	7.823	117	80594	19.468	ug/l	94
39) Methylcyclohexane	9.109	83	103224	19.540	ug/l	95
40) Benzene	8.085	78	232606	19.670	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022423.D
Acq On : 27 May 2025 09:36
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:49:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	19136m	8.609	ug/l		
42) 1,2-Dichloroethane	8.158	62	61523	19.699	ug/l		99
43) Isopropyl Acetate	8.201	43	71905	19.483	ug/l	#	86
44) Trichloroethene	8.872	130	58860	20.135	ug/l		97
45) 1,2-Dichloropropane	9.146	63	54451	19.598	ug/l		99
46) Dibromomethane	9.237	93	29679	19.122	ug/l		98
47) Bromodichloromethane	9.426	83	76833	19.250	ug/l		97
48) Methyl methacrylate	9.225	41	32925	19.218	ug/l		99
49) 1,4-Dioxane	9.231	88	6923	403.829	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	169056	92.837	ug/l		99
52) Toluene	10.176	92	143949	19.489	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	71231	19.160	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	86263	19.747	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	38684	19.713	ug/l		94
56) Ethyl methacrylate	10.445	69	53900	19.140	ug/l		98
57) 1,3-Dichloropropane	10.719	76	68793	19.893	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	130961	93.311	ug/l		98
59) 2-Hexanone	10.762	43	109954	92.136	ug/l		98
60) Dibromochloromethane	10.914	129	48590	19.384	ug/l		99
61) 1,2-Dibromoethane	11.018	107	35441	19.746	ug/l		100
64) Tetrachloroethene	10.652	164	62224	20.357	ug/l		99
65) Chlorobenzene	11.444	112	150827	19.709	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	50226	19.371	ug/l		96
67) Ethyl Benzene	11.524	91	275656	19.399	ug/l		98
68) m/p-Xylenes	11.633	106	207724	38.557	ug/l		99
69) o-Xylene	11.956	106	96581	19.075	ug/l		100
70) Styrene	11.969	104	160384	19.023	ug/l		99
71) Bromoform	12.133	173	26368	19.415	ug/l	#	100
73) Isopropylbenzene	12.255	105	255754	20.053	ug/l		99
74) N-amyl acetate	12.072	43	61037	19.558	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	39127	19.472	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	32290m	12.094	ug/l		
77) Bromobenzene	12.536	156	55641	20.273	ug/l		97
78) n-propylbenzene	12.597	91	306474	20.024	ug/l		100
79) 2-Chlorotoluene	12.682	91	163649	19.752	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	198748	19.944	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	14257	19.863	ug/l		98
82) 4-Chlorotoluene	12.779	91	171858	20.140	ug/l		99
83) tert-Butylbenzene	12.999	119	179841	19.975	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	196951	19.640	ug/l		100
85) sec-Butylbenzene	13.176	105	263748	19.753	ug/l		99
86) p-Isopropyltoluene	13.292	119	216227	19.393	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	108479	19.644	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	104788	19.845	ug/l		98
89) n-Butylbenzene	13.615	91	206658	19.768	ug/l		99
90) Hexachloroethane	13.883	117	44059	19.857	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	92726	20.103	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6215	20.016	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	49954	19.535	ug/l		98
94) Hexachlorobutadiene	15.023	225	25718	19.164	ug/l		97
95) Naphthalene	15.145	128	89204	18.870	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	41774	19.919	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022423.D
Acq On : 27 May 2025 09:36
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:49:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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

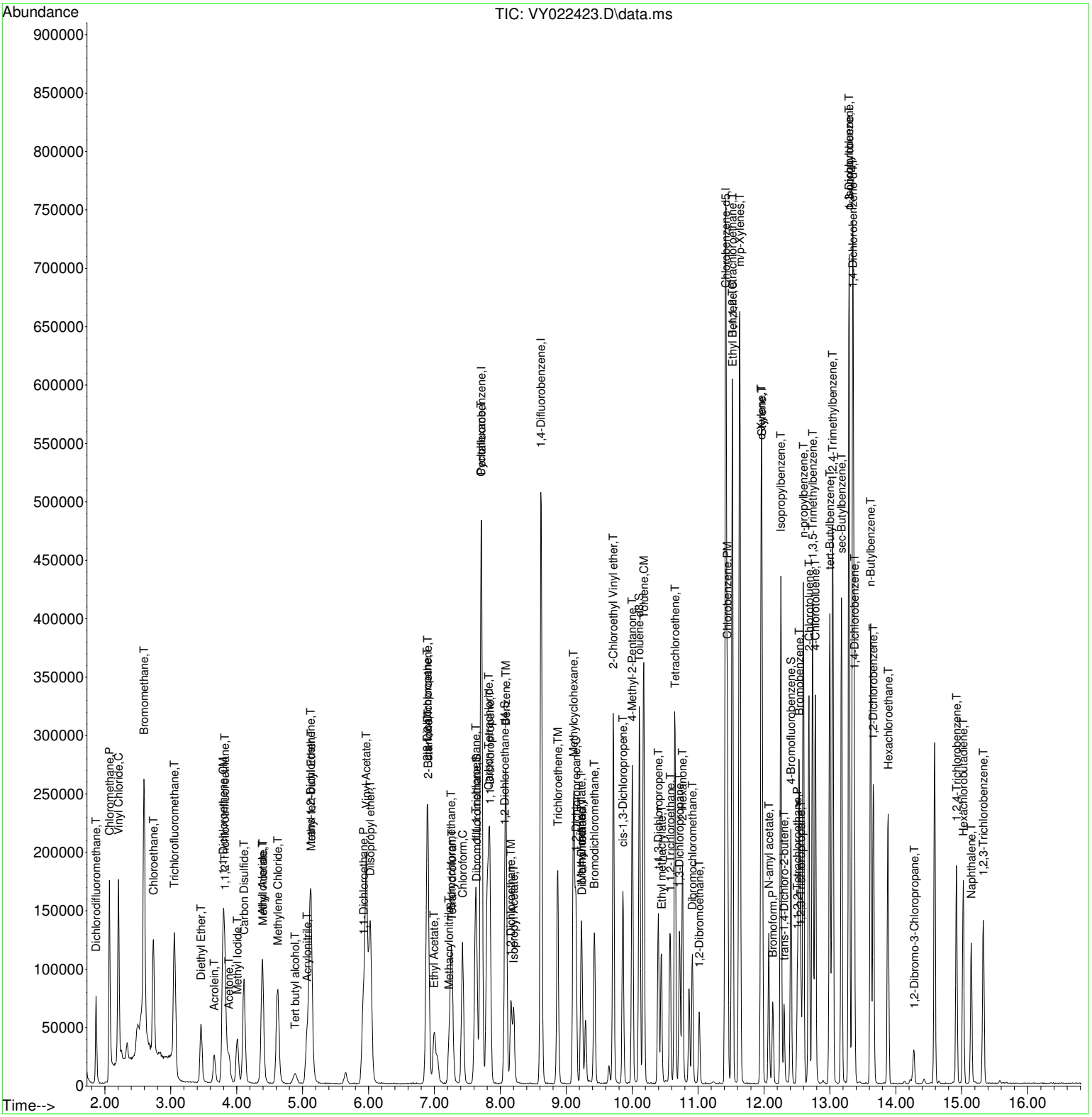
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022423.D
Acq On : 27 May 2025 09:36
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 28 09:49:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022424.D
Acq On : 27 May 2025 09:59
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	251462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	421648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	359387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	170568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	133722	50.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.640	113	122077	49.438	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.880%			
50) Toluene-d8	10.109	98	495900	49.264	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.520%			
62) 4-Bromofluorobenzene	12.408	95	149686	49.160	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	106455	44.373	ug/l	100
3) Chloromethane	2.068	50	300767	50.966	ug/l	100
4) Vinyl Chloride	2.202	62	365461	50.977	ug/l	100
5) Bromomethane	2.598	94	320598	49.210	ug/l	100
6) Chloroethane	2.739	64	255218	54.479	ug/l	100
7) Trichlorofluoromethane	3.056	101	300911	49.748	ug/l	100
8) Diethyl Ether	3.458	74	69604	49.906	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	130878	49.320	ug/l	100
10) Methyl Iodide	4.013	142	162763	54.366	ug/l	100
11) Tert butyl alcohol	4.884	59	44670	239.257	ug/l	100
12) 1,1-Dichloroethene	3.793	96	128456	48.757	ug/l	100
13) Acrolein	3.659	56	71175	254.433	ug/l	100
14) Allyl chloride	4.385	41	197586	49.856	ug/l	100
15) Acrylonitrile	5.067	53	140126	249.258	ug/l	100
16) Acetone	3.879	43	106570	244.853	ug/l	100
17) Carbon Disulfide	4.110	76	415611	49.433	ug/l	100
18) Methyl Acetate	4.397	43	77552	47.567	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	348604	49.839	ug/l	100
20) Methylene Chloride	4.622	84	137958	44.887	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	141011	49.026	ug/l	100
22) Diisopropyl ether	6.024	45	433997	49.618	ug/l	100
23) Vinyl Acetate	5.970	43	1262323	251.347	ug/l	100
24) 1,1-Dichloroethane	5.921	63	258190	49.955	ug/l	100
25) 2-Butanone	6.908	43	178390	246.104	ug/l	100
26) 2,2-Dichloropropane	6.890	77	231499	49.466	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	163879	49.217	ug/l	100
28) Bromochloromethane	7.250	49	110266	51.091	ug/l	100
29) Tetrahydrofuran	7.268	42	119564	247.328	ug/l	100
30) Chloroform	7.427	83	257981	50.655	ug/l	100
31) Cyclohexane	7.701	56	236092	46.340	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	229531	49.660	ug/l	100
36) 1,1-Dichloropropene	7.841	75	193888	49.482	ug/l	100
37) Ethyl Acetate	6.988	43	84159	50.538	ug/l	100
38) Carbon Tetrachloride	7.823	117	202994	49.731	ug/l	100
39) Methylcyclohexane	9.109	83	258994	49.724	ug/l	100
40) Benzene	8.085	78	586562	50.308	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022424.D
Acq On : 27 May 2025 09:59
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	49236	22.465	ug/l	90
42) 1,2-Dichloroethane	8.164	62	155379	50.458	ug/l	100
43) Isopropyl Acetate	8.201	43	183642	50.467	ug/l	100
44) Trichloroethene	8.865	130	144611	50.172	ug/l	100
45) 1,2-Dichloropropane	9.146	63	136232	49.730	ug/l	100
46) Dibromomethane	9.231	93	76743	50.148	ug/l	100
47) Bromodichloromethane	9.426	83	195650	49.717	ug/l	100
48) Methyl methacrylate	9.225	41	84239	49.870	ug/l	100
49) 1,4-Dioxane	9.237	88	16708	988.479	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	460034	256.225	ug/l	100
52) Toluene	10.176	92	365833	50.235	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	182819	49.875	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	213990	49.683	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96763	50.011	ug/l	100
56) Ethyl methacrylate	10.438	69	143409	51.650	ug/l	100
57) 1,3-Dichloropropane	10.719	76	170799	50.093	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	352804	254.955	ug/l	100
59) 2-Hexanone	10.761	43	305977	260.045	ug/l	100
60) Dibromochloromethane	10.914	129	127232	51.479	ug/l	100
61) 1,2-Dibromoethane	11.018	107	90642	51.221	ug/l	100
64) Tetrachloroethene	10.652	164	154172	50.371	ug/l	100
65) Chlorobenzene	11.444	112	383505	50.045	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	132697	51.108	ug/l	100
67) Ethyl Benzene	11.524	91	711551	50.007	ug/l	100
68) m/p-Xylenes	11.627	106	543665	100.776	ug/l	100
69) o-Xylene	11.956	106	254880	50.270	ug/l	100
70) Styrene	11.969	104	430304	50.969	ug/l	100
71) Bromoform	12.133	173	68851	50.626	ug/l	100
73) Isopropylbenzene	12.255	105	660245	49.183	ug/l	100
74) N-amyl acetate	12.072	43	170547	51.919	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	104852	49.575	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	83801m	29.820	ug/l	
77) Bromobenzene	12.536	156	145109	50.230	ug/l	100
78) n-propylbenzene	12.596	91	803233	49.859	ug/l	100
79) 2-Chlorotoluene	12.682	91	429534	49.254	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	525186	50.070	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	36715	48.597	ug/l	100
82) 4-Chlorotoluene	12.779	91	446697	49.734	ug/l	100
83) tert-Butylbenzene	12.999	119	470027	49.598	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	531189	50.324	ug/l	100
85) sec-Butylbenzene	13.176	105	706452	50.266	ug/l	100
86) p-Isopropyltoluene	13.291	119	592083	50.450	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	289072	49.731	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	280006	50.380	ug/l	100
89) n-Butylbenzene	13.615	91	568088	51.626	ug/l	100
90) Hexachloroethane	13.883	117	117444	50.287	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	241569	49.756	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15930	48.741	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	141204	52.462	ug/l	100
94) Hexachlorobutadiene	15.023	225	72391	51.250	ug/l	100
95) Naphthalene	15.145	128	265056	53.269	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	116609	52.826	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022424.D
Acq On : 27 May 2025 09:59
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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

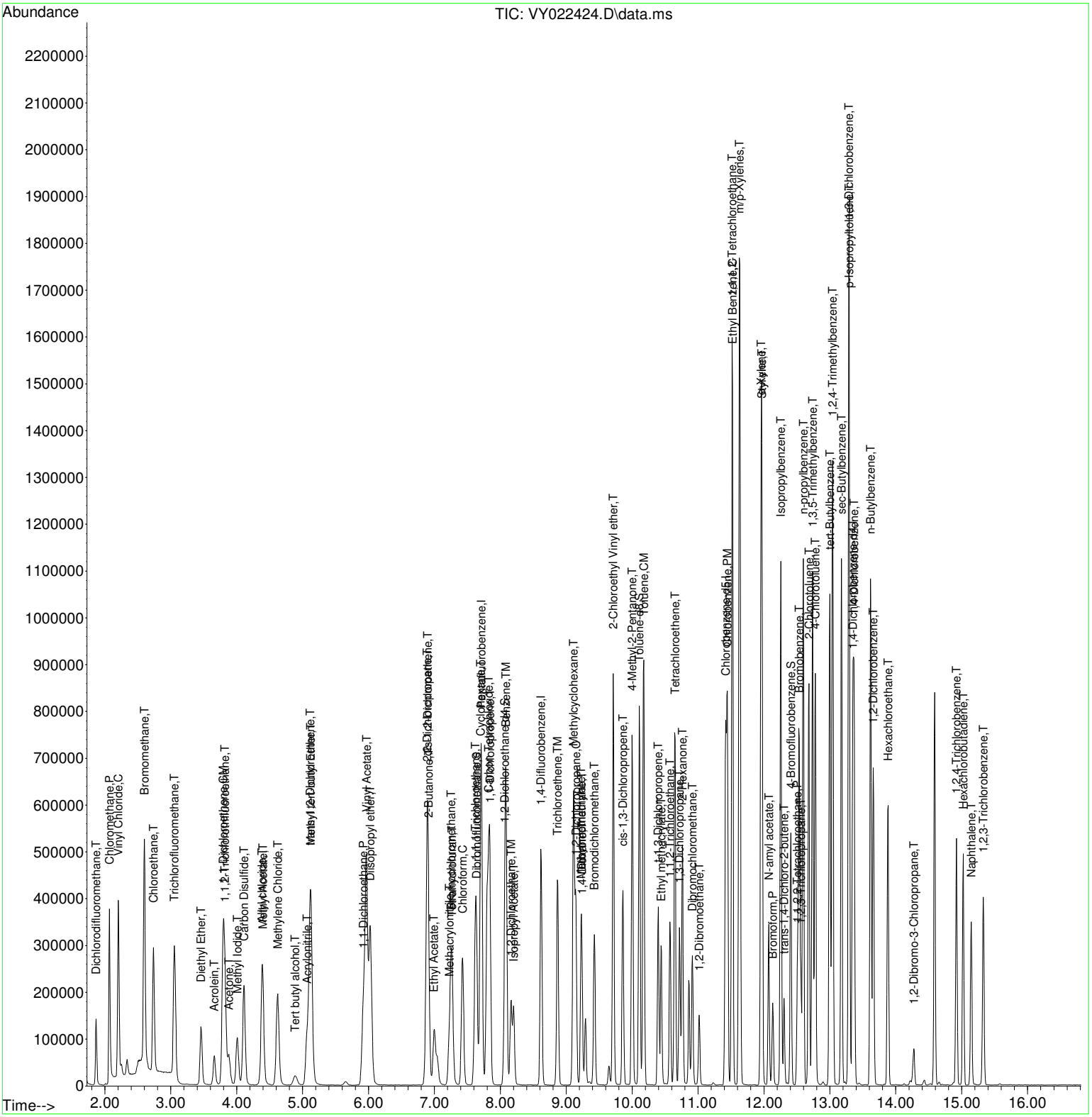
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022424.D
Acq On : 27 May 2025 09:59
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 28 09:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022425.D
Acq On : 27 May 2025 10:22
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	254497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	420045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	364148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	175436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	275425	102.746	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 205.500%#			
35) Dibromofluoromethane	7.640	113	259880	105.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 211.300%#			
50) Toluene-d8	10.109	98	1070243	106.726	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 213.460%#			
62) 4-Bromofluorobenzene	12.408	95	321108	105.861	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 211.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	219107	90.239	ug/l	99
3) Chloromethane	2.074	50	476625	79.803	ug/l	99
4) Vinyl Chloride	2.208	62	657774	90.657	ug/l	97
5) Bromomethane	2.592	94	617342	93.629	ug/l	98
6) Chloroethane	2.739	64	461685	97.376	ug/l	100
7) Trichlorofluoromethane	3.056	101	604374	98.726	ug/l	99
8) Diethyl Ether	3.458	74	144974	102.707	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	266284	99.149	ug/l	99
10) Methyl Iodide	4.007	142	338872	111.841	ug/l	100
11) Tert butyl alcohol	4.872	59	96979	513.234	ug/l	99
12) 1,1-Dichloroethene	3.793	96	264638	99.249	ug/l	98
13) Acrolein	3.659	56	149071	526.536	ug/l	100
14) Allyl chloride	4.391	41	407614	101.625	ug/l	98
15) Acrylonitrile	5.068	53	299369	526.172	ug/l	99
16) Acetone	3.879	43	219178	497.574	ug/l #	88
17) Carbon Disulfide	4.110	76	851273	100.043	ug/l	100
18) Methyl Acetate	4.391	43	178729	108.317	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	735411	103.886	ug/l	99
20) Methylene Chloride	4.623	84	279934	89.995	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	296339	101.801	ug/l	97
22) Diisopropyl ether	6.025	45	906611	102.415	ug/l	99
23) Vinyl Acetate	5.964	43	2634055	518.224	ug/l	99
24) 1,1-Dichloroethane	5.921	63	540724	103.372	ug/l	99
25) 2-Butanone	6.903	43	386768	527.215	ug/l	100
26) 2,2-Dichloropropane	6.890	77	482308	101.829	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	348023	103.273	ug/l	99
28) Bromochloromethane	7.250	49	223498	102.322	ug/l	99
29) Tetrahydrofuran	7.268	42	254076	519.309	ug/l	99
30) Chloroform	7.427	83	535360	103.866	ug/l	99
31) Cyclohexane	7.707	56	481828	93.445	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	484647	103.605	ug/l	99
36) 1,1-Dichloropropene	7.841	75	405555	103.896	ug/l	99
37) Ethyl Acetate	6.988	43	174471	105.171	ug/l	99
38) Carbon Tetrachloride	7.823	117	428817	105.456	ug/l	99
39) Methylcyclohexane	9.110	83	536153	103.329	ug/l	98
40) Benzene	8.085	78	1229435	105.848	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022425.D
Acq On : 27 May 2025 10:22
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	107407	49.194	ug/l		94
42) 1,2-Dichloroethane	8.165	62	321758	104.887	ug/l		99
43) Isopropyl Acetate	8.201	43	385296	106.287	ug/l		100
44) Trichloroethene	8.866	130	300293	104.583	ug/l		97
45) 1,2-Dichloropropane	9.146	63	286982	105.160	ug/l		98
46) Dibromomethane	9.231	93	160779	105.464	ug/l		99
47) Bromodichloromethane	9.427	83	413821	105.558	ug/l		96
48) Methyl methacrylate	9.225	41	181931	108.116	ug/l		100
49) 1,4-Dioxane	9.231	88	36343	2158.331	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	995669	556.674	ug/l		99
52) Toluene	10.176	92	780350	107.563	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	396365	108.544	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	460876	107.411	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	204326	106.007	ug/l		97
56) Ethyl methacrylate	10.439	69	306772	110.908	ug/l		98
57) 1,3-Dichloropropane	10.719	76	359684	105.893	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	770988	559.284	ug/l		100
59) 2-Hexanone	10.762	43	660980	563.900	ug/l		98
60) Dibromochloromethane	10.914	129	268919	109.221	ug/l		99
61) 1,2-Dibromoethane	11.018	107	187723	106.485	ug/l		98
64) Tetrachloroethene	10.652	164	312696	100.828	ug/l		98
65) Chlorobenzene	11.444	112	824685	106.209	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	285811	108.640	ug/l		99
67) Ethyl Benzene	11.524	91	1560112	108.210	ug/l		98
68) m/p-Xylenes	11.633	106	1201541	219.811	ug/l		99
69) o-Xylene	11.957	106	559553	108.917	ug/l		100
70) Styrene	11.969	104	959318	112.144	ug/l		99
71) Bromoform	12.133	173	149684	108.623	ug/l	#	100
73) Isopropylbenzene	12.255	105	1440314	104.314	ug/l		100
74) N-amyl acetate	12.072	43	368563	109.087	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	228832	105.191	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	178010m	61.586	ug/l		
77) Bromobenzene	12.536	156	305847	102.933	ug/l		97
78) n-propylbenzene	12.597	91	1737515	104.859	ug/l		100
79) 2-Chlorotoluene	12.682	91	934717	104.209	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1143145	105.961	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	80556	103.668	ug/l		99
82) 4-Chlorotoluene	12.780	91	972892	105.314	ug/l		100
83) tert-Butylbenzene	12.999	119	1023704	105.025	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1159943	106.843	ug/l		99
85) sec-Butylbenzene	13.176	105	1528524	105.741	ug/l		99
86) p-Isopropyltoluene	13.292	119	1320591	109.402	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	644184	107.749	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	599095	104.800	ug/l		99
89) n-Butylbenzene	13.621	91	1207976	106.731	ug/l		99
90) Hexachloroethane	13.883	117	251685	104.776	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	524498	105.034	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32714	97.318	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	295471	106.731	ug/l		98
94) Hexachlorobutadiene	15.023	225	153056	105.350	ug/l		98
95) Naphthalene	15.145	128	568187	111.021	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	246652	108.638	ug/l		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022425.D
Acq On : 27 May 2025 10:22
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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

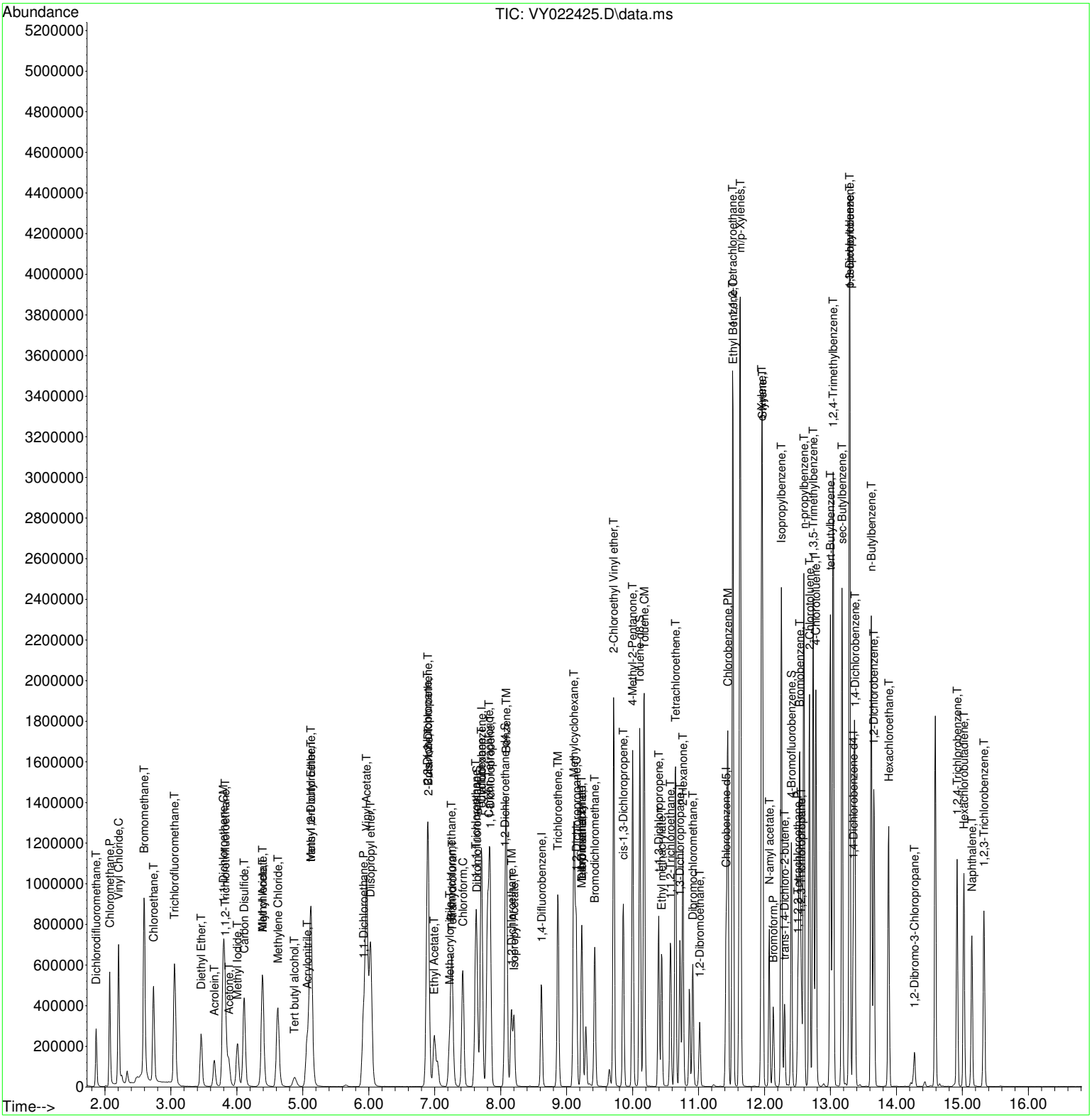
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022425.D
Acq On : 27 May 2025 10:22
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 28 10:00:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022426.D
Acq On : 27 May 2025 10:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:05:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	261566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	431909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	376608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	182671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	422539	153.366	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 306.740%#			
35) Dibromofluoromethane	7.640	113	398438	157.523	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 315.040%#			
50) Toluene-d8	10.109	98	1621564	157.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 314.520%#			
62) 4-Bromofluorobenzene	12.408	95	487100	156.173	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 312.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	336978	135.034	ug/l	98
3) Chloromethane	2.068	50	715868	116.621	ug/l	97
4) Vinyl Chloride	2.208	62	986607	132.303	ug/l	99
5) Bromomethane	2.586	94	1055313	155.728	ug/l	99
6) Chloroethane	2.732	64	711645	146.039	ug/l	100
7) Trichlorofluoromethane	3.050	101	935844	148.741	ug/l	99
8) Diethyl Ether	3.458	74	220632	152.083	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	401637	145.505	ug/l	99
10) Methyl Iodide	4.007	142	499602	160.432	ug/l	99
11) Tert butyl alcohol	4.878	59	150306	773.955	ug/l	98
12) 1,1-Dichloroethene	3.793	96	404241	147.508	ug/l	98
13) Acrolein	3.653	56	224761	772.427	ug/l	99
14) Allyl chloride	4.385	41	634755	153.977	ug/l	99
15) Acrylonitrile	5.067	53	455189	778.419	ug/l	99
16) Acetone	3.873	43	327320	722.994	ug/l #	85
17) Carbon Disulfide	4.110	76	1295027	148.080	ug/l	100
18) Methyl Acetate	4.385	43	300253	177.047	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	1134189	155.888	ug/l	100
20) Methylene Chloride	4.616	84	426225	133.322	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	456846	152.698	ug/l	99
22) Diisopropyl ether	6.025	45	1404193	154.338	ug/l	96
23) Vinyl Acetate	5.964	43	4042390	773.807	ug/l	100
24) 1,1-Dichloroethane	5.921	63	828730	154.149	ug/l	99
25) 2-Butanone	6.896	43	603839	800.866	ug/l	99
26) 2,2-Dichloropropane	6.890	77	737854	151.572	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	537325	155.137	ug/l	99
28) Bromochloromethane	7.250	49	342656	152.635	ug/l	98
29) Tetrahydrofuran	7.268	42	397295	790.090	ug/l	100
30) Chloroform	7.427	83	814685	153.787	ug/l	98
31) Cyclohexane	7.707	56	730410	137.826	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	737686	153.436	ug/l	100
36) 1,1-Dichloropropene	7.841	75	623501	155.342	ug/l	100
37) Ethyl Acetate	6.988	43	261975	153.581	ug/l	99
38) Carbon Tetrachloride	7.823	117	663867	158.776	ug/l	99
39) Methylcyclohexane	9.109	83	824642	154.561	ug/l	99
40) Benzene	8.085	78	1893003	158.501	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022426.D
Acq On : 27 May 2025 10:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:05:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	171379m	76.337	ug/l		
42) 1,2-Dichloroethane	8.158	62	497991	157.877	ug/l		100
43) Isopropyl Acetate	8.201	43	587308	157.564	ug/l		100
44) Trichloroethene	8.866	130	449921	152.390	ug/l		95
45) 1,2-Dichloropropane	9.146	63	438721	156.346	ug/l		99
46) Dibromomethane	9.231	93	249636	159.252	ug/l		99
47) Bromodichloromethane	9.426	83	639597	158.668	ug/l		98
48) Methyl methacrylate	9.225	41	288821	166.922	ug/l		98
49) 1,4-Dioxane	9.231	88	55890	3228.011	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	1565663	851.310	ug/l		100
52) Toluene	10.170	92	1239585	166.170	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	612236	163.055	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	708367	160.557	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	314785	158.829	ug/l		99
56) Ethyl methacrylate	10.438	69	478765	168.334	ug/l		98
57) 1,3-Dichloropropane	10.719	76	549047	157.203	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1202134	848.088	ug/l		100
59) 2-Hexanone	10.762	43	1032146	856.364	ug/l		99
60) Dibromochloromethane	10.914	129	415432	164.093	ug/l		99
61) 1,2-Dibromoethane	11.018	107	292010	161.091	ug/l		98
64) Tetrachloroethene	10.652	164	466490	145.442	ug/l		99
65) Chlorobenzene	11.444	112	1273300	158.560	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	454374	166.998	ug/l		98
67) Ethyl Benzene	11.518	91	2468130	165.526	ug/l		99
68) m/p-Xylenes	11.633	106	1900132	336.111	ug/l		99
69) o-Xylene	11.956	106	894394	168.335	ug/l		99
70) Styrene	11.969	104	1535004	173.504	ug/l		99
71) Bromoform	12.133	173	237301	166.508	ug/l	#	100
73) Isopropylbenzene	12.255	105	2238981	155.735	ug/l		100
74) N-amyl acetate	12.072	43	561846	159.709	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	357601	157.873	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	280272m	93.124	ug/l		
77) Bromobenzene	12.530	156	484799	156.697	ug/l		98
78) n-propylbenzene	12.597	91	2681276	155.406	ug/l		100
79) 2-Chlorotoluene	12.682	91	1451439	155.407	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1785622	158.958	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	129469	160.016	ug/l		96
82) 4-Chlorotoluene	12.779	91	1513977	157.395	ug/l		100
83) tert-Butylbenzene	12.999	119	1594195	157.076	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1831722	162.038	ug/l		100
85) sec-Butylbenzene	13.176	105	2373216	157.674	ug/l		99
86) p-Isopropyltoluene	13.292	119	2084441	165.843	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	1027086	164.991	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	924346	155.292	ug/l		99
89) n-Butylbenzene	13.621	91	1889271	160.316	ug/l		99
90) Hexachloroethane	13.883	117	386833	154.660	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	812262	156.218	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	52777	150.784	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	468879	162.662	ug/l		98
94) Hexachlorobutadiene	15.023	225	236480	156.325	ug/l		97
95) Naphthalene	15.145	128	915763	171.849	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	395519	167.307	ug/l		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022426.D
Acq On : 27 May 2025 10:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:05:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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

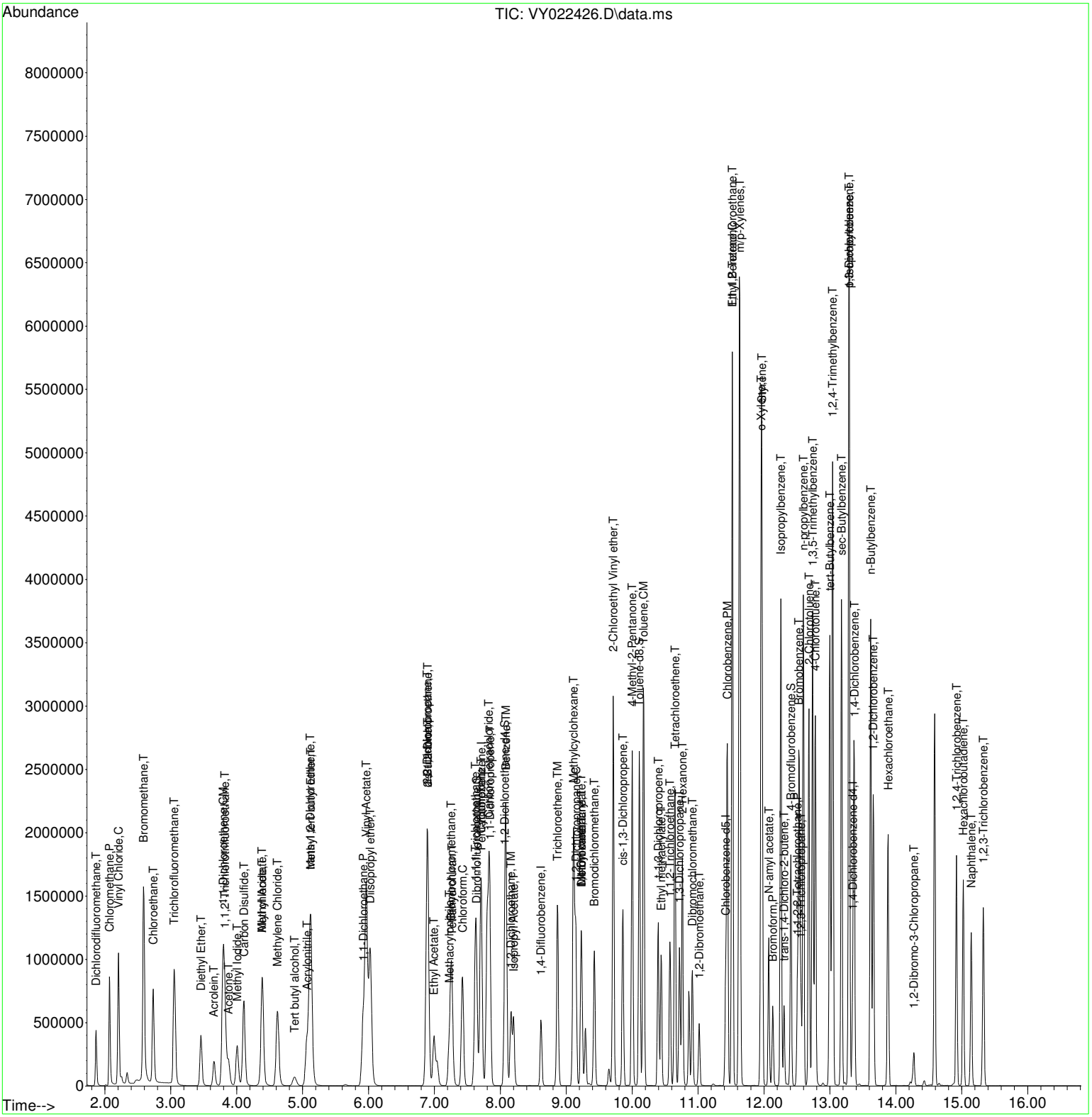
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022426.D
Acq On : 27 May 2025 10:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 28 10:05:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	253507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	425137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	371169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	177242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135927	50.905	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.800%			
35) Dibromofluoromethane	7.634	113	126788	50.924	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.840%			
50) Toluene-d8	10.109	98	516469	50.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.408	95	155747	50.731	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	103680	42.867	ug/l	98
3) Chloromethane	2.068	50	343646	57.762	ug/l	96
4) Vinyl Chloride	2.202	62	378150	52.322	ug/l	99
5) Bromomethane	2.598	94	378531	57.634	ug/l	100
6) Chloroethane	2.733	64	272398	57.677	ug/l	99
7) Trichlorofluoromethane	3.050	101	341076	55.933	ug/l	98
8) Diethyl Ether	3.458	74	74240	52.801	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	125740	47.001	ug/l	99
10) Methyl Iodide	4.007	142	147302	48.805	ug/l	100
11) Tert butyl alcohol	4.891	59	53913	286.443	ug/l	98
12) 1,1-Dichloroethene	3.787	96	129146	48.624	ug/l	96
13) Acrolein	3.653	56	75220	266.723	ug/l	100
14) Allyl chloride	4.385	41	206704	51.736	ug/l	99
15) Acrylonitrile	5.061	53	157491	277.887	ug/l	100
16) Acetone	3.885	43	127318	290.164	ug/l	93
17) Carbon Disulfide	4.110	76	422273	49.820	ug/l	100
18) Methyl Acetate	4.385	43	98344	59.833	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	376709	53.423	ug/l	99
20) Methylene Chloride	4.616	84	147382	47.566	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	149045	51.401	ug/l	96
22) Diisopropyl ether	6.025	45	453438	51.423	ug/l	98
23) Vinyl Acetate	5.964	43	1330055	262.697	ug/l	100
24) 1,1-Dichloroethane	5.915	63	270725	51.958	ug/l	99
25) 2-Butanone	6.896	43	208354	285.123	ug/l	98
26) 2,2-Dichloropropane	6.890	77	238523	50.556	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	171895	51.208	ug/l	99
28) Bromochloromethane	7.250	49	114068	52.427	ug/l	99
29) Tetrahydrofuran	7.268	42	136796	280.691	ug/l	99
30) Chloroform	7.427	83	263982	51.416	ug/l	99
31) Cyclohexane	7.701	56	228904	44.566	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	234335	50.290	ug/l	98
36) 1,1-Dichloropropene	7.835	75	198705	50.295	ug/l	99
37) Ethyl Acetate	6.988	43	91969	54.775	ug/l	98
38) Carbon Tetrachloride	7.823	117	204881	49.782	ug/l	99
39) Methylcyclohexane	9.109	83	253073	48.189	ug/l	99
40) Benzene	8.079	78	609847	51.876	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	49200m	48.279	ug/l		
42) 1,2-Dichloroethane	8.158	62	162203	52.242	ug/l		99
43) Isopropyl Acetate	8.201	43	199246	54.305	ug/l		99
44) Trichloroethene	8.866	130	151238	52.041	ug/l		98
45) 1,2-Dichloropropane	9.146	63	140797	50.975	ug/l		100
46) Dibromomethane	9.231	93	81139	52.586	ug/l		99
47) Bromodichloromethane	9.426	83	205314	51.745	ug/l		99
48) Methyl methacrylate	9.225	41	95846	56.276	ug/l		97
49) 1,4-Dioxane	9.244	88	17918	1051.366	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	519609	287.032	ug/l		100
52) Toluene	10.170	92	387936	52.832	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	199925	54.094	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	228509	52.618	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	103722	53.168	ug/l		99
56) Ethyl methacrylate	10.438	69	156757	55.994	ug/l		100
57) 1,3-Dichloropropane	10.719	76	180948	52.634	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	362054	259.493	ug/l		100
59) 2-Hexanone	10.762	43	347563	292.964	ug/l		99
60) Dibromochloromethane	10.914	129	133735	53.666	ug/l		99
61) 1,2-Dibromoethane	11.018	107	96584	54.130	ug/l		98
64) Tetrachloroethene	10.646	164	153515	48.564	ug/l		95
65) Chlorobenzene	11.444	112	409198	51.703	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	137345	51.219	ug/l		100
67) Ethyl Benzene	11.524	91	749047	50.971	ug/l		98
68) m/p-Xylenes	11.633	106	571164	102.513	ug/l		100
69) o-Xylene	11.957	106	268131	51.205	ug/l		100
70) Styrene	11.969	104	456865	52.397	ug/l		100
71) Bromoform	12.133	173	73628	52.420	ug/l	#	98
73) Isopropylbenzene	12.255	105	698311	50.060	ug/l		100
74) N-amyl acetate	12.072	43	182818	53.559	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	117150	53.303	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	93352m	52.582	ug/l		
77) Bromobenzene	12.536	156	151539	50.481	ug/l		98
78) n-propylbenzene	12.597	91	853326	50.973	ug/l		99
79) 2-Chlorotoluene	12.682	91	455944	50.314	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	559964	51.376	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	40088	51.064	ug/l		98
82) 4-Chlorotoluene	12.780	91	475462	50.944	ug/l		100
83) tert-Butylbenzene	12.999	119	505382	51.321	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	562945	51.325	ug/l		100
85) sec-Butylbenzene	13.176	105	755958	51.763	ug/l		99
86) p-Isopropyltoluene	13.292	119	638231	52.334	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	310435	51.396	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	298140	51.622	ug/l		100
89) n-Butylbenzene	13.615	91	601455	52.600	ug/l		100
90) Hexachloroethane	13.883	117	125908	51.881	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	255789	50.701	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17817	52.462	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	146574	52.407	ug/l		98
94) Hexachlorobutadiene	15.023	225	76816	52.335	ug/l		97
95) Naphthalene	15.145	128	283477	54.826	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	123635	53.900	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Title : SW846 8260
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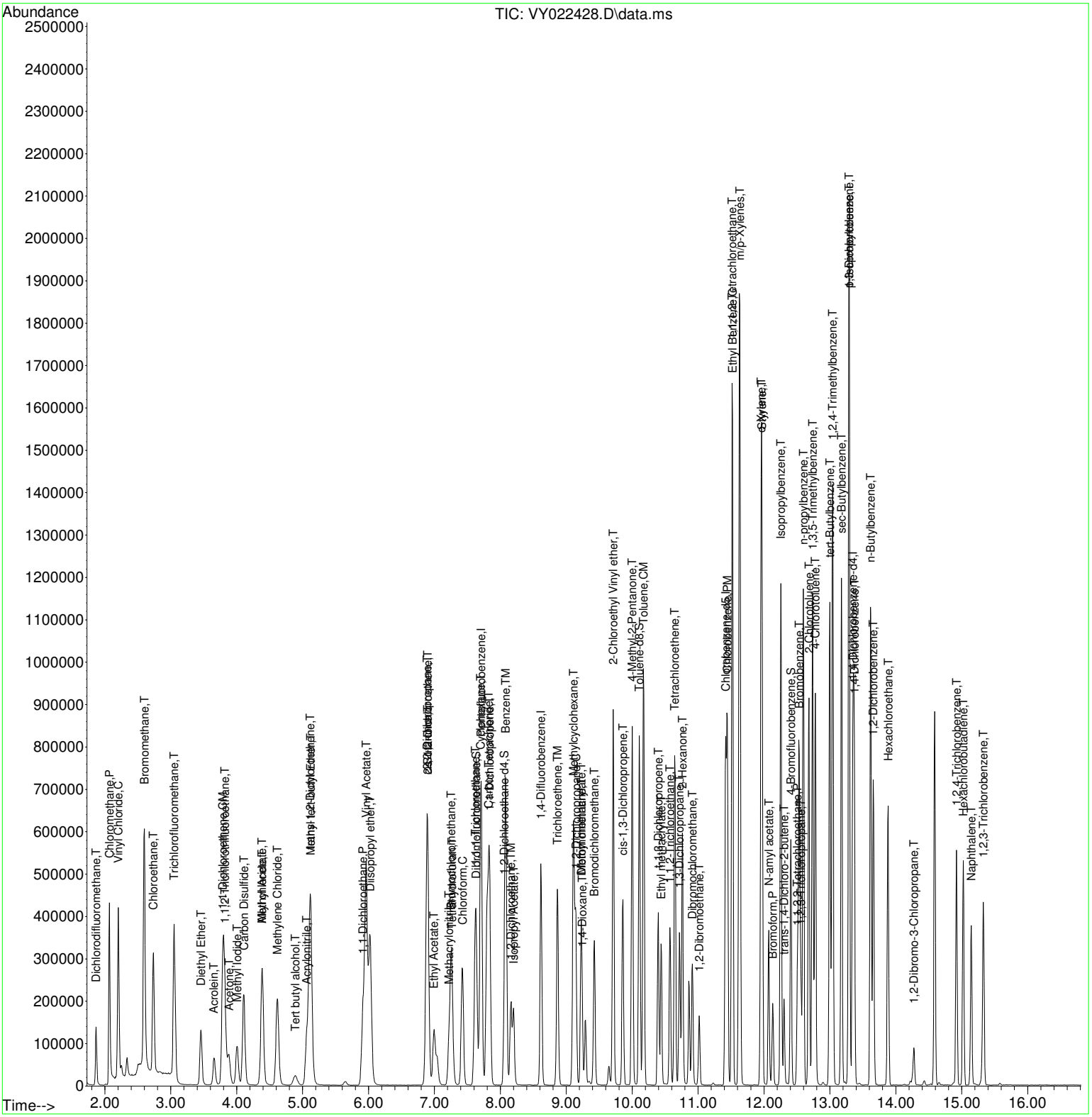
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	101	0.00
2	T	Dichlorodifluoromethane	0.477	0.409	14.3	97	0.00
3	P	Chloromethane	1.173	1.356	-15.6	114	0.00
4	C	Vinyl Chloride	1.425	1.492	-4.7#	103	0.00
5	T	Bromomethane	1.295	1.493	-15.3	118	0.00
6	T	Chloroethane	0.931	1.075	-15.5	107	0.00
7	T	Trichlorofluoromethane	1.203	1.345	-11.8	113	0.00
8	T	Diethyl Ether	0.277	0.293	-5.8	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.528	0.496	6.1	96	0.00
10	T	Methyl Iodide	0.595	0.581	2.4	91	0.00
11	T	Tert butyl alcohol	0.037	0.043	-16.2	121	0.00
12	CM	1,1-Dichloroethene	0.524	0.509	2.9#	101	0.00
13	T	Acrolein	0.056	0.059	-5.4	106	0.00
14	T	Allyl chloride	0.788	0.815	-3.4	105	0.00
15	T	Acrylonitrile	0.112	0.124	-10.7	112	0.00
16	T	Acetone	0.087	0.100	-14.9	119	0.00
17	T	Carbon Disulfide	1.672	1.666	0.4	102	0.00
18	T	Methyl Acetate	0.324	0.388	-19.8	127	-0.01
19	T	Methyl tert-butyl Ether	1.391	1.486	-6.8	108	0.00
20	T	Methylene Chloride	0.611	0.581	4.9	107	0.00
21	T	trans-1,2-Dichloroethene	0.572	0.588	-2.8	106	0.00
22	T	Diisopropyl ether	1.739	1.789	-2.9	104	0.00
23	T	Vinyl Acetate	0.999	1.049	-5.0	105	0.00
24	P	1,1-Dichloroethane	1.028	1.068	-3.9	105	0.00
25	T	2-Butanone	0.144	0.164	-13.9	117	-0.01
26	T	2,2-Dichloropropane	0.931	0.941	-1.1	103	0.00
27	T	cis-1,2-Dichloroethene	0.662	0.678	-2.4	105	0.00
28	T	Bromochloromethane	0.429	0.450	-4.9	103	0.00
29	T	Tetrahydrofuran	0.096	0.108	-12.5	114	0.00
30	C	Chloroform	1.013	1.041	-2.8#	102	0.00
31	T	Cyclohexane	1.013	0.903	10.9	97	0.00
32	T	1,1,1-Trichloroethane	0.919	0.924	-0.5	102	0.00
33	S	1,2-Dichloroethane-d4	0.527	0.536	-1.7	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35	S	Dibromofluoromethane	0.293	0.298	-1.7	104	0.00
36	T	1,1-Dichloropropene	0.465	0.467	-0.4	102	0.00
37	T	Ethyl Acetate	0.197	0.216	-9.6	109	0.00
38	T	Carbon Tetrachloride	0.484	0.482	0.4	101	0.00
39	T	Methylcyclohexane	0.618	0.595	3.7	98	0.00
40	TM	Benzene	1.383	1.434	-3.7	104	0.00
41	T	Methacrylonitrile	0.120	0.116	3.3	100	-0.03
42	TM	1,2-Dichloroethane	0.365	0.382	-4.7	104	0.00
43	T	Isopropyl Acetate	0.432	0.469	-8.6	108	0.00
44	TM	Trichloroethene	0.342	0.356	-4.1	105	0.00
45	C	1,2-Dichloropropane	0.325	0.331	-1.8#	103	0.00
46	T	Dibromomethane	0.181	0.191	-5.5	106	0.00
47	T	Bromodichloromethane	0.467	0.483	-3.4	105	0.00
48	T	Methyl methacrylate	0.200	0.225	-12.5	114	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	107	0.00
50	S	Toluene-d8	1.194	1.215	-1.8	104	0.00
51	T	4-Methyl-2-Pentanone	0.213	0.244	-14.6	113	0.00
52	CM	Toluene	0.864	0.912	-5.6#	106	0.00
53	T	t-1,3-Dichloropropene	0.435	0.470	-8.0	109	0.00
54	T	cis-1,3-Dichloropropene	0.511	0.537	-5.1	107	0.00
55	T	1,1,2-Trichloroethane	0.229	0.244	-6.6	107	0.00
56	T	Ethyl methacrylate	0.329	0.369	-12.2	109	0.00
57	T	1,3-Dichloropropane	0.404	0.426	-5.4	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.164	0.170	-3.7	103	0.00
59	T	2-Hexanone	0.140	0.164	-17.1	114	0.00
60	T	Dibromochloromethane	0.293	0.315	-7.5	105	0.00
61	T	1,2-Dibromoethane	0.210	0.227	-8.1	107	0.00
62	S	4-Bromofluorobenzene	0.361	0.366	-1.4	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	T	Tetrachloroethene	0.426	0.414	2.8	100	0.00
65	PM	Chlorobenzene	1.066	1.102	-3.4	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.361	0.370	-2.5	104	0.00
67	C	Ethyl Benzene	1.980	2.018	-1.9#	105	0.00
68	T	m/p-Xylenes	0.751	0.769	-2.4	105	0.00
69	T	o-Xylene	0.705	0.722	-2.4	105	0.00
70	T	Styrene	1.175	1.231	-4.8	106	0.00
71	P	Bromoform	0.189	0.198	-4.8	107	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.935	3.940	-0.1	106	0.00
74	T	N-amyl acetate	0.963	1.031	-7.1	107	0.00
75	P	1,1,2,2-Tetrachloroethane	0.620	0.661	-6.6	112	0.00
76	T	1,2,3-Trichloropropane	0.501	0.527	-5.2	111	0.00
77	T	Bromobenzene	0.847	0.855	-0.9	104	0.00
78	T	n-propylbenzene	4.723	4.814	-1.9	106	0.00
79	T	2-Chlorotoluene	2.556	2.572	-0.6	106	0.00
80	T	1,3,5-Trimethylbenzene	3.075	3.159	-2.7	107	0.00
81	T	trans-1,4-Dichloro-2-butene	0.221	0.226	-2.3	109	0.00
82	T	4-Chlorotoluene	2.633	2.683	-1.9	106	0.00
83	T	tert-Butylbenzene	2.778	2.851	-2.6	108	0.00
84	T	1,2,4-Trimethylbenzene	3.094	3.176	-2.7	106	0.00
85	T	sec-Butylbenzene	4.120	4.265	-3.5	107	0.00
86	T	p-Isopropyltoluene	3.440	3.601	-4.7	108	0.00
87	T	1,3-Dichlorobenzene	1.704	1.751	-2.8	107	0.00
88	T	1,4-Dichlorobenzene	1.629	1.682	-3.3	106	0.00
89	T	n-Butylbenzene	3.226	3.393	-5.2	106	0.00
90	T	Hexachloroethane	0.685	0.710	-3.6	107	0.00
91	T	1,2-Dichlorobenzene	1.423	1.443	-1.4	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.096	0.101	-5.2	112	0.00
93	T	1,2,4-Trichlorobenzene	0.789	0.827	-4.8	104	0.00
94	T	Hexachlorobutadiene	0.414	0.433	-4.6	106	0.00
95	T	Naphthalene	1.459	1.599	-9.6	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	0.647	0.698	-7.9	106	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\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	101	0.00
2	T	Dichlorodifluoromethane	50.000	42.867	14.3	97	0.00
3	P	Chloromethane	50.000	57.762	-15.5	114	0.00
4	C	Vinyl Chloride	50.000	52.322	-4.6#	103	0.00
5	T	Bromomethane	50.000	57.634	-15.3	118	0.00
6	T	Chloroethane	50.000	57.677	-15.4	107	0.00
7	T	Trichlorofluoromethane	50.000	55.933	-11.9	113	0.00
8	T	Diethyl Ether	50.000	52.801	-5.6	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.001	6.0	96	0.00
10	T	Methyl Iodide	50.000	48.805	2.4	91	0.00
11	T	Tert butyl alcohol	250.000	286.443	-14.6	121	0.00
12	CM	1,1-Dichloroethene	50.000	48.624	2.8#	101	0.00
13	T	Acrolein	250.000	266.723	-6.7	106	0.00
14	T	Allyl chloride	50.000	51.736	-3.5	105	0.00
15	T	Acrylonitrile	250.000	277.887	-11.2	112	0.00
16	T	Acetone	250.000	290.164	-16.1	119	0.00
17	T	Carbon Disulfide	50.000	49.820	0.4	102	0.00
18	T	Methyl Acetate	50.000	59.833	-19.7	127	-0.01
19	T	Methyl tert-butyl Ether	50.000	53.423	-6.8	108	0.00
20	T	Methylene Chloride	50.000	47.566	4.9	107	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.401	-2.8	106	0.00
22	T	Diisopropyl ether	50.000	51.423	-2.8	104	0.00
23	T	Vinyl Acetate	250.000	262.697	-5.1	105	0.00
24	P	1,1-Dichloroethane	50.000	51.958	-3.9	105	0.00
25	T	2-Butanone	250.000	285.123	-14.0	117	-0.01
26	T	2,2-Dichloropropane	50.000	50.556	-1.1	103	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.208	-2.4	105	0.00
28	T	Bromochloromethane	50.000	52.427	-4.9	103	0.00
29	T	Tetrahydrofuran	250.000	280.691	-12.3	114	0.00
30	C	Chloroform	50.000	51.416	-2.8#	102	0.00
31	T	Cyclohexane	50.000	44.566	10.9	97	0.00
32	T	1,1,1-Trichloroethane	50.000	50.290	-0.6	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.905	-1.8	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35	S	Dibromofluoromethane	50.000	50.924	-1.8	104	0.00
36	T	1,1-Dichloropropene	50.000	50.295	-0.6	102	0.00
37	T	Ethyl Acetate	50.000	54.775	-9.5	109	0.00
38	T	Carbon Tetrachloride	50.000	49.782	0.4	101	0.00
39	T	Methylcyclohexane	50.000	48.189	3.6	98	0.00
40	TM	Benzene	50.000	51.876	-3.8	104	0.00
41	T	Methacrylonitrile	50.000	48.279	3.4	100	-0.03
42	TM	1,2-Dichloroethane	50.000	52.242	-4.5	104	0.00
43	T	Isopropyl Acetate	50.000	54.305	-8.6	108	0.00
44	TM	Trichloroethene	50.000	52.041	-4.1	105	0.00
45	C	1,2-Dichloropropane	50.000	50.975	-2.0#	103	0.00
46	T	Dibromomethane	50.000	52.586	-5.2	106	0.00
47	T	Bromodichloromethane	50.000	51.745	-3.5	105	0.00
48	T	Methyl methacrylate	50.000	56.276	-12.6	114	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	1051.366	-5.1	107	0.00
50	S	Toluene-d8	50.000	50.886	-1.8	104	0.00
51	T	4-Methyl-2-Pentanone	250.000	287.032	-14.8	113	0.00
52	CM	Toluene	50.000	52.832	-5.7#	106	0.00
53	T	t-1,3-Dichloropropene	50.000	54.094	-8.2	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.618	-5.2	107	0.00
55	T	1,1,2-Trichloroethane	50.000	53.168	-6.3	107	0.00
56	T	Ethyl methacrylate	50.000	55.994	-12.0	109	0.00
57	T	1,3-Dichloropropane	50.000	52.634	-5.3	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	259.493	-3.8	103	0.00
59	T	2-Hexanone	250.000	292.964	-17.2	114	0.00
60	T	Dibromochloromethane	50.000	53.666	-7.3	105	0.00
61	T	1,2-Dibromoethane	50.000	54.130	-8.3	107	0.00
62	S	4-Bromofluorobenzene	50.000	50.731	-1.5	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	48.564	2.9	100	0.00
65	PM	Chlorobenzene	50.000	51.703	-3.4	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.219	-2.4	104	0.00
67	C	Ethyl Benzene	50.000	50.971	-1.9#	105	0.00
68	T	m/p-Xylenes	100.000	102.513	-2.5	105	0.00
69	T	o-Xylene	50.000	51.205	-2.4	105	0.00
70	T	Styrene	50.000	52.397	-4.8	106	0.00
71	P	Bromoform	50.000	52.420	-4.8	107	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	50.060	-0.1	106	0.00
74	T	N-amyl acetate	50.000	53.559	-7.1	107	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.303	-6.6	112	0.00
76	T	1,2,3-Trichloropropane	50.000	52.582	-5.2	111	0.00
77	T	Bromobenzene	50.000	50.481	-1.0	104	0.00
78	T	n-propylbenzene	50.000	50.973	-1.9	106	0.00
79	T	2-Chlorotoluene	50.000	50.314	-0.6	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.376	-2.8	107	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.064	-2.1	109	0.00
82	T	4-Chlorotoluene	50.000	50.944	-1.9	106	0.00
83	T	tert-Butylbenzene	50.000	51.321	-2.6	108	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.325	-2.7	106	0.00
85	T	sec-Butylbenzene	50.000	51.763	-3.5	107	0.00
86	T	p-Isopropyltoluene	50.000	52.334	-4.7	108	0.00
87	T	1,3-Dichlorobenzene	50.000	51.396	-2.8	107	0.00
88	T	1,4-Dichlorobenzene	50.000	51.622	-3.2	106	0.00
89	T	n-Butylbenzene	50.000	52.600	-5.2	106	0.00
90	T	Hexachloroethane	50.000	51.881	-3.8	107	0.00
91	T	1,2-Dichlorobenzene	50.000	50.701	-1.4	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.462	-4.9	112	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.407	-4.8	104	0.00
94	T	Hexachlorobutadiene	50.000	52.335	-4.7	106	0.00
95	T	Naphthalene	50.000	54.826	-9.7	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.900	-7.8	106	0.00

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

Raw Data: **VY022453.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCIA01

Lab Code: CHEM Case No.: Q2147 SAS No.: Q2147 SDG No.: Q2147

Instrument ID: MSVOA_Y Calibration Date/Time: 05/29/2025 08:23

Lab File ID: VY022453.D Init. Calib. Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 08:50 10:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.477	0.443		-7.13	20
Chloromethane	1.173	1.080	0.1	-7.93	20
Vinyl Chloride	1.425	1.441		1.12	20
Bromomethane	1.295	1.134		-12.43	20
Chloroethane	0.932	0.992		6.44	20
Trichlorofluoromethane	1.203	1.195		-0.67	20
1,1,2-Trichlorotrifluoroethane	0.528	0.543		2.84	20
1,1-Dichloroethene	0.524	0.537		2.48	20
Acetone	0.087	0.104		19.54	20
Carbon Disulfide	1.672	1.727		3.29	20
Methyl tert-butyl Ether	1.391	1.429		2.73	20
Methyl Acetate	0.324	0.357		10.19	20
Methylene Chloride	0.611	0.599		-1.96	20
trans-1,2-Dichloroethene	0.572	0.593		3.67	20
1,1-Dichloroethane	1.028	1.100	0.1	7	20
Cyclohexane	1.013	0.984		-2.86	20
2-Butanone	0.144	0.156		8.33	20
Carbon Tetrachloride	0.484	0.508		4.96	20
cis-1,2-Dichloroethene	0.662	0.699		5.59	20
Bromochloromethane	0.429	0.474		10.49	20
Chloroform	1.013	1.070		5.63	20
1,1,1-Trichloroethane	0.919	0.965		5.01	20
Methylcyclohexane	0.618	0.621		0.49	20
Benzene	1.383	1.457		5.35	20
1,2-Dichloroethane	0.365	0.379		3.84	20
Trichloroethene	0.342	0.351		2.63	20
1,2-Dichloropropane	0.325	0.341		4.92	20
Bromodichloromethane	0.467	0.486		4.07	20
4-Methyl-2-Pentanone	0.213	0.219		2.82	20
Toluene	0.864	0.906		4.86	20
t-1,3-Dichloropropene	0.435	0.453		4.14	20
cis-1,3-Dichloropropene	0.511	0.531		3.91	20
1,1,2-Trichloroethane	0.229	0.235		2.62	20
2-Hexanone	0.140	0.147		5	20
Dibromochloromethane	0.293	0.307		4.78	20
1,2-Dibromoethane	0.210	0.214		1.9	20
Tetrachloroethene	0.426	0.446		4.7	20
Chlorobenzene	1.066	1.114	0.3	4.5	20

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCIA01

Lab Code: CHEM Case No.: Q2147 SAS No.: Q2147 SDG No.: Q2147

Instrument ID: MSVOA_Y Calibration Date/Time: 05/29/2025 08:23

Lab File ID: VY022453.D Init. Calib. Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 08:50 10:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.980	2.068		4.44	20
m/p-Xylenes	0.751	0.779		3.73	20
o-Xylene	0.705	0.730		3.55	20
Styrene	1.175	1.240		5.53	20
Bromoform	0.189	0.192	0.1	1.59	20
Isopropylbenzene	3.935	4.134		5.06	20
1,1,2,2-Tetrachloroethane	0.620	0.610	0.3	-1.61	20
1,3-Dichlorobenzene	1.704	1.747		2.52	20
1,4-Dichlorobenzene	1.629	1.697		4.17	20
1,2-Dichlorobenzene	1.423	1.485		4.36	20
1,2-Dibromo-3-Chloropropane	0.096	0.093		-3.13	20
1,2,4-Trichlorobenzene	0.789	0.811		2.79	20
1,2,3-Trichlorobenzene	0.647	0.679		4.95	20
1,2-Dichloroethane-d4	0.527	0.542		2.85	20
Dibromofluoromethane	0.293	0.299		2.05	20
Toluene-d8	1.194	1.216		1.84	20
4-Bromofluorobenzene	0.361	0.361		0	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\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	217073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	367403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	311885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	144539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	117718	51.485	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.980%			
35) Dibromofluoromethane	7.646	113	109900	51.078	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.160%			
50) Toluene-d8	10.115	98	446607	50.917	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.840%			
62) 4-Bromofluorobenzene	12.414	95	132603	49.979	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	96102	46.403	ug/l	98
3) Chloromethane	2.074	50	234378	46.008	ug/l	99
4) Vinyl Chloride	2.208	62	312744	50.535	ug/l	97
5) Bromomethane	2.604	94	246236	43.784	ug/l	100
6) Chloroethane	2.745	64	215276	53.233	ug/l	98
7) Trichlorofluoromethane	3.062	101	259381	49.675	ug/l	99
8) Diethyl Ether	3.464	74	63009	52.335	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	117973	51.499	ug/l	98
10) Methyl Iodide	4.019	142	142579	55.169	ug/l	98
11) Tert butyl alcohol	4.885	59	39179	243.099	ug/l #	87
12) 1,1-Dichloroethene	3.799	96	116616	51.275	ug/l	92
13) Acrolein	3.665	56	33556	138.958	ug/l	100
14) Allyl chloride	4.397	41	183736	53.706	ug/l	98
15) Acrylonitrile	5.074	53	126492	260.652	ug/l	99
16) Acetone	3.885	43	112598	299.687	ug/l	93
17) Carbon Disulfide	4.116	76	374907	51.656	ug/l	99
18) Methyl Acetate	4.397	43	77391	54.988	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	310245	51.382	ug/l	97
20) Methylene Chloride	4.629	84	129965	48.985	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	128668	51.821	ug/l	98
22) Diisopropyl ether	6.031	45	395865	52.428	ug/l	98
23) Vinyl Acetate	5.970	43	1108700	255.731	ug/l	99
24) 1,1-Dichloroethane	5.927	63	238809	53.525	ug/l	98
25) 2-Butanone	6.903	43	169383	270.697	ug/l	97
26) 2,2-Dichloropropane	6.896	77	214202	53.021	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	151712	52.781	ug/l	98
28) Bromochloromethane	7.256	49	102958	55.263	ug/l	98
29) Tetrahydrofuran	7.274	42	107092	256.623	ug/l	97
30) Chloroform	7.433	83	232263	52.831	ug/l	99
31) Cyclohexane	7.713	56	213578	48.562	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	209433	52.490	ug/l	99
36) 1,1-Dichloropropene	7.847	75	177465	51.977	ug/l	99
37) Ethyl Acetate	6.994	43	73283	50.504	ug/l	99
38) Carbon Tetrachloride	7.829	117	186546	52.449	ug/l	97
39) Methylcyclohexane	9.116	83	228187	50.278	ug/l	96
40) Benzene	8.091	78	535259	52.686	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	45979m	52.208	ug/l		
42) 1,2-Dichloroethane	8.164	62	139327	51.926	ug/l		100
43) Isopropyl Acetate	8.201	43	159648	50.350	ug/l	#	88
44) Trichloroethene	8.872	130	128913	51.329	ug/l		98
45) 1,2-Dichloropropane	9.146	63	125461	52.560	ug/l		99
46) Dibromomethane	9.237	93	68205	51.150	ug/l		99
47) Bromodichloromethane	9.433	83	178705	52.116	ug/l		99
48) Methyl methacrylate	9.231	41	77784	52.848	ug/l		97
49) 1,4-Dioxane	9.237	88	14373	975.883	ug/l		96
51) 4-Methyl-2-Pentanone	10.006	43	402915	257.545	ug/l		100
52) Toluene	10.176	92	332855	52.454	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	166521	52.136	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	195125	51.992	ug/l		99
55) 1,1,2-Trichloroethane	10.579	97	86260	51.165	ug/l		99
56) Ethyl methacrylate	10.445	69	122555	50.656	ug/l		97
57) 1,3-Dichloropropane	10.725	76	152635	51.375	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	311180	258.077	ug/l		99
59) 2-Hexanone	10.768	43	269457	262.819	ug/l		100
60) Dibromochloromethane	10.920	129	112707	52.335	ug/l		99
61) 1,2-Dibromoethane	11.024	107	78781	51.091	ug/l		98
64) Tetrachloroethene	10.652	164	138967	52.318	ug/l		96
65) Chlorobenzene	11.450	112	347414	52.240	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	116764	51.821	ug/l		98
67) Ethyl Benzene	11.524	91	645012	52.235	ug/l		98
68) m/p-Xylenes	11.633	106	485605	103.724	ug/l		100
69) o-Xylene	11.963	106	227557	51.717	ug/l		99
70) Styrene	11.975	104	386668	52.776	ug/l		100
71) Bromoform	12.139	173	59931	50.779	ug/l	#	100
73) Isopropylbenzene	12.261	105	597529	52.527	ug/l		99
74) N-amyl acetate	12.072	43	146777	52.730	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	88143	49.179	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	68789m	47.513	ug/l		
77) Bromobenzene	12.536	156	125196	51.142	ug/l		98
78) n-propylbenzene	12.603	91	726495	53.216	ug/l		100
79) 2-Chlorotoluene	12.682	91	386917	52.357	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	466486	52.483	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	32774	51.193	ug/l		98
82) 4-Chlorotoluene	12.780	91	397764	52.262	ug/l		100
83) tert-Butylbenzene	13.005	119	426168	53.068	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	471592	52.724	ug/l		100
85) sec-Butylbenzene	13.182	105	631375	53.014	ug/l		100
86) p-Isopropyltoluene	13.298	119	526903	52.981	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	252533	51.269	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	245269	52.077	ug/l		99
89) n-Butylbenzene	13.621	91	499367	53.553	ug/l		100
90) Hexachloroethane	13.883	117	104310	52.707	ug/l		97
91) 1,2-Dichlorobenzene	13.664	146	214576	52.156	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13492	48.716	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	117166	51.370	ug/l		97
94) Hexachlorobutadiene	15.029	225	61354	51.258	ug/l		97
95) Naphthalene	15.151	128	219204	51.987	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	98121	52.456	ug/l		98

Sample Results: **VY022453.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
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 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

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

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

Sample Results: **VY022453.D**

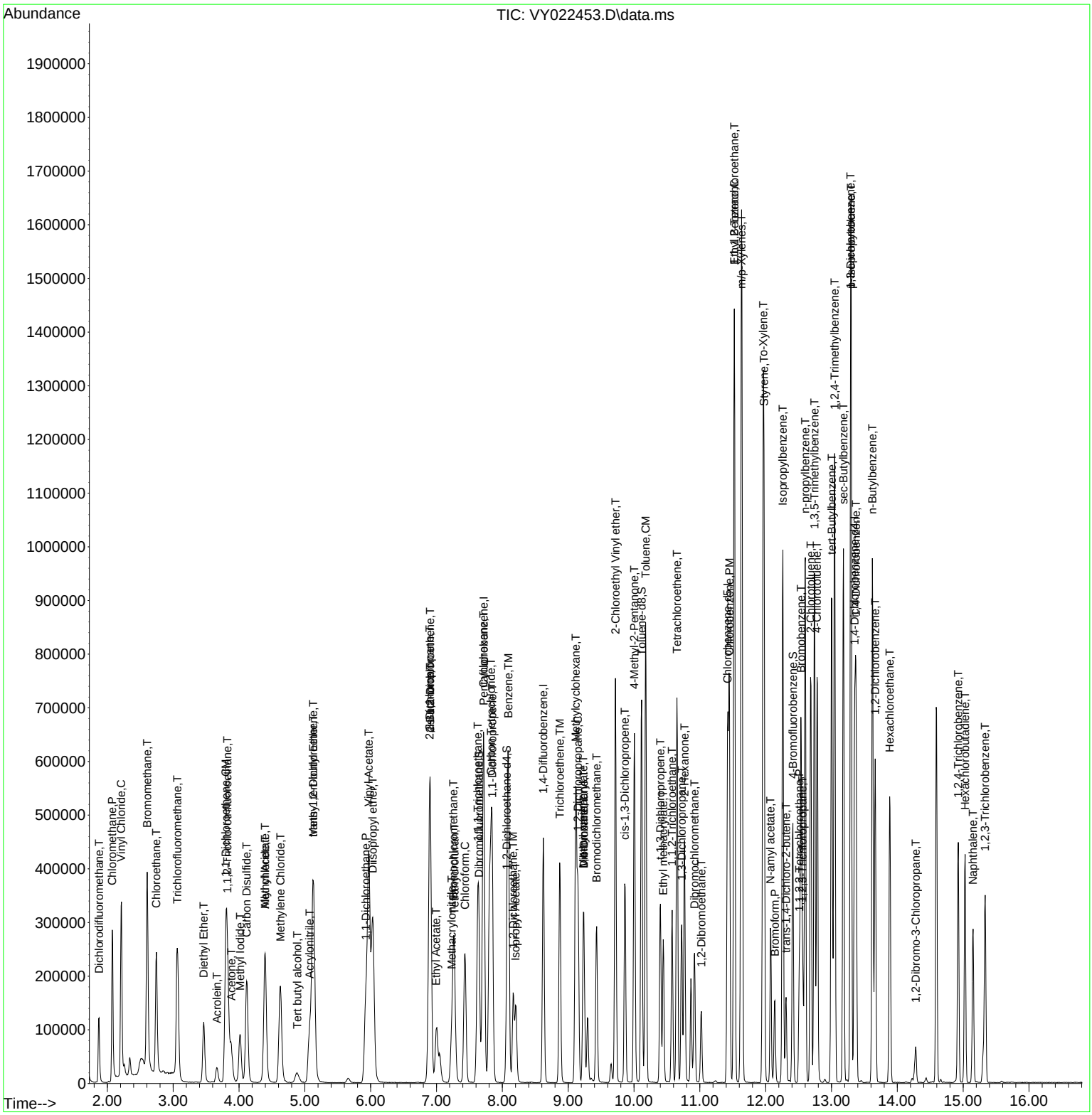
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



Sample Results: **VY022453.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
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: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	86	0.00
2	T	Dichlorodifluoromethane	0.477	0.443	7.1	90	0.00
3	P	Chloromethane	1.173	1.080	7.9	78	0.00
4	C	Vinyl Chloride	1.425	1.441	-1.1#	86	0.00
5	T	Bromomethane	1.295	1.134	12.4	77	0.00
6	T	Chloroethane	0.931	0.992	-6.6	84	0.00
7	T	Trichlorofluoromethane	1.203	1.195	0.7	86	0.00
8	T	Diethyl Ether	0.277	0.290	-4.7	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.528	0.543	-2.8	90	0.00
10	T	Methyl Iodide	0.595	0.657	-10.4	88	0.00
11	T	Tert butyl alcohol	0.037	0.036	2.7	88	0.00
12	CM	1,1-Dichloroethene	0.524	0.537	-2.5#	91	0.00
13	T	Acrolein	0.056	0.031	44.6#	47#	0.00
14	T	Allyl chloride	0.788	0.846	-7.4	93	0.01
15	T	Acrylonitrile	0.112	0.117	-4.5	90	0.00
16	T	Acetone	0.087	0.104	-19.5	106	0.00
17	T	Carbon Disulfide	1.672	1.727	-3.3	90	0.00
18	T	Methyl Acetate	0.324	0.357	-10.2	100	0.00
19	T	Methyl tert-butyl Ether	1.391	1.429	-2.7	89	0.00
20	T	Methylene Chloride	0.611	0.599	2.0	94	0.00
21	T	trans-1,2-Dichloroethene	0.572	0.593	-3.7	91	0.01
22	T	Diisopropyl ether	1.739	1.824	-4.9	91	0.00
23	T	Vinyl Acetate	0.999	1.021	-2.2	88	0.00
24	P	1,1-Dichloroethane	1.028	1.100	-7.0	92	0.00
25	T	2-Butanone	0.144	0.156	-8.3	95	0.00
26	T	2,2-Dichloropropane	0.931	0.987	-6.0	93	0.00
27	T	cis-1,2-Dichloroethene	0.662	0.699	-5.6	93	0.00
28	T	Bromochloromethane	0.429	0.474	-10.5	93	0.00
29	T	Tetrahydrofuran	0.096	0.099	-3.1	90	0.00
30	C	Chloroform	1.013	1.070	-5.6#	90	0.00
31	T	Cyclohexane	1.013	0.984	2.9	90	0.01
32	T	1,1,1-Trichloroethane	0.919	0.965	-5.0	91	0.00
33	S	1,2-Dichloroethane-d4	0.527	0.542	-2.8	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.293	0.299	-2.0	90	0.00
36	T	1,1-Dichloropropene	0.465	0.483	-3.9	92	0.00
37	T	Ethyl Acetate	0.197	0.199	-1.0	87	0.00
38	T	Carbon Tetrachloride	0.484	0.508	-5.0	92	0.00
39	T	Methylcyclohexane	0.618	0.621	-0.5	88	0.00
40	TM	Benzene	1.383	1.457	-5.4	91	0.00
41	T	Methacrylonitrile	0.120	0.125	-4.2	93	-0.02
42	TM	1,2-Dichloroethane	0.365	0.379	-3.8	90	0.00
43	T	Isopropyl Acetate	0.432	0.435	-0.7	87	0.00
44	TM	Trichloroethene	0.342	0.351	-2.6	89	0.00
45	C	1,2-Dichloropropane	0.325	0.341	-4.9#	92	0.00
46	T	Dibromomethane	0.181	0.186	-2.8	89	0.00
47	T	Bromodichloromethane	0.467	0.486	-4.1	91	0.00
48	T	Methyl methacrylate	0.200	0.212	-6.0	92	0.00

Sample Results: **VY022453.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
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: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	86	0.00
50	S	Toluene-d8	1.194	1.216	-1.8	90	0.00
51	T	4-Methyl-2-Pentanone	0.213	0.219	-2.8	88	0.00
52	CM	Toluene	0.864	0.906	-4.9#	91	0.00
53	T	t-1,3-Dichloropropene	0.435	0.453	-4.1	91	0.00
54	T	cis-1,3-Dichloropropene	0.511	0.531	-3.9	91	0.00
55	T	1,1,2-Trichloroethane	0.229	0.235	-2.6	89	0.00
56	T	Ethyl methacrylate	0.329	0.334	-1.5	85	0.00
57	T	1,3-Dichloropropane	0.404	0.415	-2.7	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.164	0.169	-3.0	88	0.00
59	T	2-Hexanone	0.140	0.147	-5.0	88	0.00
60	T	Dibromochloromethane	0.293	0.307	-4.8	89	0.00
61	T	1,2-Dibromoethane	0.210	0.214	-1.9	87	0.00
62	S	4-Bromofluorobenzene	0.361	0.361	0.0	89	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.426	0.446	-4.7	90	0.00
65	PM	Chlorobenzene	1.066	1.114	-4.5	91	0.00
66	T	1,1,1,2-Tetrachloroethane	0.361	0.374	-3.6	88	0.00
67	C	Ethyl Benzene	1.980	2.068	-4.4#	91	0.00
68	T	m/p-Xylenes	0.751	0.779	-3.7	89	0.00
69	T	o-Xylene	0.705	0.730	-3.5	89	0.00
70	T	Styrene	1.175	1.240	-5.5	90	0.00
71	P	Bromoform	0.189	0.192	-1.6	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
73	T	Isopropylbenzene	3.935	4.134	-5.1	91	0.00
74	T	N-amyl acetate	0.963	1.015	-5.4	86	0.00
75	P	1,1,2,2-Tetrachloroethane	0.620	0.610	1.6	84	0.00
76	T	1,2,3-Trichloropropane	0.501	0.476	5.0	82	0.00
77	T	Bromobenzene	0.847	0.866	-2.2	86	0.00
78	T	n-propylbenzene	4.723	5.026	-6.4	90	0.00
79	T	2-Chlorotoluene	2.556	2.677	-4.7	90	0.00
80	T	1,3,5-Trimethylbenzene	3.075	3.227	-4.9	89	0.00
81	T	trans-1,4-Dichloro-2-butene	0.221	0.227	-2.7	89	0.00
82	T	4-Chlorotoluene	2.633	2.752	-4.5	89	0.00
83	T	tert-Butylbenzene	2.778	2.948	-6.1	91	0.00
84	T	1,2,4-Trimethylbenzene	3.094	3.263	-5.5	89	0.00
85	T	sec-Butylbenzene	4.120	4.368	-6.0	89	0.00
86	T	p-Isopropyltoluene	3.440	3.645	-6.0	89	0.00
87	T	1,3-Dichlorobenzene	1.704	1.747	-2.5	87	0.00
88	T	1,4-Dichlorobenzene	1.629	1.697	-4.2	88	0.00
89	T	n-Butylbenzene	3.226	3.455	-7.1	88	0.00
90	T	Hexachloroethane	0.685	0.722	-5.4	89	0.00
91	T	1,2-Dichlorobenzene	1.423	1.485	-4.4	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.096	0.093	3.1	85	0.00
93	T	1,2,4-Trichlorobenzene	0.789	0.811	-2.8	83	0.00
94	T	Hexachlorobutadiene	0.414	0.424	-2.4	85	0.00
95	T	Naphthalene	1.459	1.517	-4.0	83	0.00

Sample Results: **VY022453.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
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: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	0.647	0.679	-4.9	84	0.00

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

Evaluate Continuing Calibration Report

Sample Results: **VY022453.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
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: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	86	0.00
2	T	Dichlorodifluoromethane	50.000	46.403	7.2	90	0.00
3	P	Chloromethane	50.000	46.008	8.0	78	0.00
4	C	Vinyl Chloride	50.000	50.535	-1.1#	86	0.00
5	T	Bromomethane	50.000	43.784	12.4	77	0.00
6	T	Chloroethane	50.000	53.233	-6.5	84	0.00
7	T	Trichlorofluoromethane	50.000	49.675	0.7	86	0.00
8	T	Diethyl Ether	50.000	52.335	-4.7	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.499	-3.0	90	0.00
10	T	Methyl Iodide	50.000	55.169	-10.3	88	0.00
11	T	Tert butyl alcohol	250.000	243.099	2.8	88	0.00
12	CM	1,1-Dichloroethene	50.000	51.275	-2.5#	91	0.00
13	T	Acrolein	250.000	138.958	44.4#	47	0.00
14	T	Allyl chloride	50.000	53.706	-7.4	93	0.01
15	T	Acrylonitrile	250.000	260.652	-4.3	90	0.00
16	T	Acetone	250.000	299.687	-19.9	106	0.00
17	T	Carbon Disulfide	50.000	51.656	-3.3	90	0.00
18	T	Methyl Acetate	50.000	54.988	-10.0	100	0.00
19	T	Methyl tert-butyl Ether	50.000	51.382	-2.8	89	0.00
20	T	Methylene Chloride	50.000	48.985	2.0	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.821	-3.6	91	0.01
22	T	Diisopropyl ether	50.000	52.428	-4.9	91	0.00
23	T	Vinyl Acetate	250.000	255.731	-2.3	88	0.00
24	P	1,1-Dichloroethane	50.000	53.525	-7.0	92	0.00
25	T	2-Butanone	250.000	270.697	-8.3	95	0.00
26	T	2,2-Dichloropropane	50.000	53.021	-6.0	93	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.781	-5.6	93	0.00
28	T	Bromochloromethane	50.000	55.263	-10.5	93	0.00
29	T	Tetrahydrofuran	250.000	256.623	-2.6	90	0.00
30	C	Chloroform	50.000	52.831	-5.7#	90	0.00
31	T	Cyclohexane	50.000	48.562	2.9	90	0.01
32	T	1,1,1-Trichloroethane	50.000	52.490	-5.0	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.485	-3.0	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	51.078	-2.2	90	0.00
36	T	1,1-Dichloropropene	50.000	51.977	-4.0	92	0.00
37	T	Ethyl Acetate	50.000	50.504	-1.0	87	0.00
38	T	Carbon Tetrachloride	50.000	52.449	-4.9	92	0.00
39	T	Methylcyclohexane	50.000	50.278	-0.6	88	0.00
40	TM	Benzene	50.000	52.686	-5.4	91	0.00
41	T	Methacrylonitrile	50.000	52.208	-4.4	93	-0.02
42	TM	1,2-Dichloroethane	50.000	51.926	-3.9	90	0.00
43	T	Isopropyl Acetate	50.000	50.350	-0.7	87	0.00
44	TM	Trichloroethene	50.000	51.329	-2.7	89	0.00
45	C	1,2-Dichloropropane	50.000	52.560	-5.1#	92	0.00
46	T	Dibromomethane	50.000	51.150	-2.3	89	0.00
47	T	Bromodichloromethane	50.000	52.116	-4.2	91	0.00
48	T	Methyl methacrylate	50.000	52.848	-5.7	92	0.00

Sample Results: **VY022453.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
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: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	975.883	2.4	86	0.00
50	S	Toluene-d8	50.000	50.917	-1.8	90	0.00
51	T	4-Methyl-2-Pentanone	250.000	257.545	-3.0	88	0.00
52	CM	Toluene	50.000	52.454	-4.9#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	52.136	-4.3	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.992	-4.0	91	0.00
55	T	1,1,2-Trichloroethane	50.000	51.165	-2.3	89	0.00
56	T	Ethyl methacrylate	50.000	50.656	-1.3	85	0.00
57	T	1,3-Dichloropropane	50.000	51.375	-2.8	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	258.077	-3.2	88	0.00
59	T	2-Hexanone	250.000	262.819	-5.1	88	0.00
60	T	Dibromochloromethane	50.000	52.335	-4.7	89	0.00
61	T	1,2-Dibromoethane	50.000	51.091	-2.2	87	0.00
62	S	4-Bromofluorobenzene	50.000	49.979	0.0	89	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	52.318	-4.6	90	0.00
65	PM	Chlorobenzene	50.000	52.240	-4.5	91	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.821	-3.6	88	0.00
67	C	Ethyl Benzene	50.000	52.235	-4.5#	91	0.00
68	T	m/p-Xylenes	100.000	103.724	-3.7	89	0.00
69	T	o-Xylene	50.000	51.717	-3.4	89	0.00
70	T	Styrene	50.000	52.776	-5.6	90	0.00
71	P	Bromoform	50.000	50.779	-1.6	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	85	0.00
73	T	Isopropylbenzene	50.000	52.527	-5.1	91	0.00
74	T	N-amyl acetate	50.000	52.730	-5.5	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.179	1.6	84	0.00
76	T	1,2,3-Trichloropropane	50.000	47.513	5.0	82	0.00
77	T	Bromobenzene	50.000	51.142	-2.3	86	0.00
78	T	n-propylbenzene	50.000	53.216	-6.4	90	0.00
79	T	2-Chlorotoluene	50.000	52.357	-4.7	90	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.483	-5.0	89	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.193	-2.4	89	0.00
82	T	4-Chlorotoluene	50.000	52.262	-4.5	89	0.00
83	T	tert-Butylbenzene	50.000	53.068	-6.1	91	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.724	-5.4	89	0.00
85	T	sec-Butylbenzene	50.000	53.014	-6.0	89	0.00
86	T	p-Isopropyltoluene	50.000	52.981	-6.0	89	0.00
87	T	1,3-Dichlorobenzene	50.000	51.269	-2.5	87	0.00
88	T	1,4-Dichlorobenzene	50.000	52.077	-4.2	88	0.00
89	T	n-Butylbenzene	50.000	53.553	-7.1	88	0.00
90	T	Hexachloroethane	50.000	52.707	-5.4	89	0.00
91	T	1,2-Dichlorobenzene	50.000	52.156	-4.3	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.716	2.6	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.370	-2.7	83	0.00
94	T	Hexachlorobutadiene	50.000	51.258	-2.5	85	0.00
95	T	Naphthalene	50.000	51.987	-4.0	83	0.00

Sample Results: **VY022453.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
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: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.456	-4.9	84	0.00

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

QC SAMPLE DATA

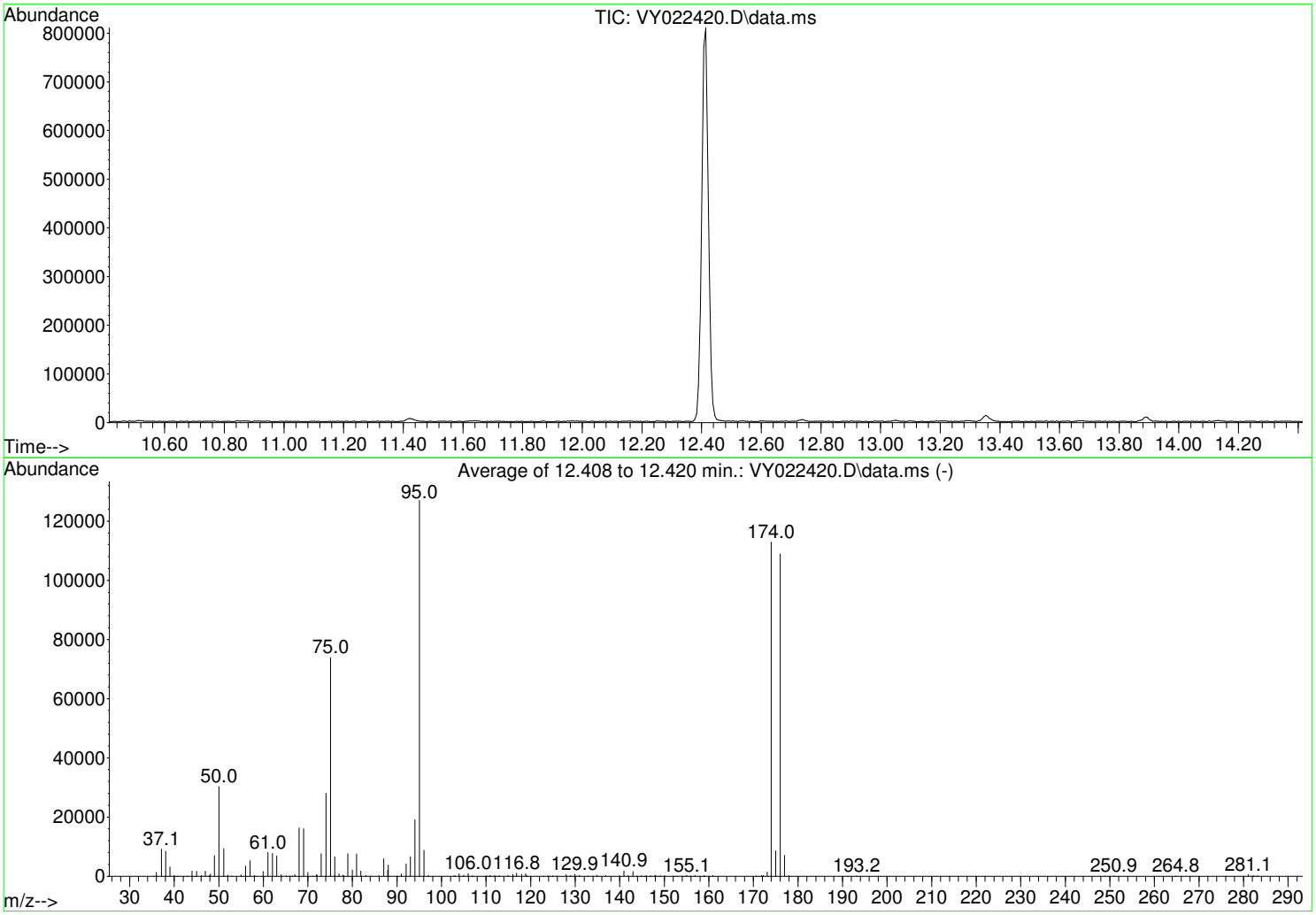
Sample Results: **VY022420.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022420.D
Acq On : 27 May 2025 08:20
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\82Y052725S.M
Title : SW846 8260
Last Update : Wed May 28 10:34:06 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.8	30285	PASS
75	95	30	60	58.1	73816	PASS
95	95	100	100	100.0	127085	PASS
96	95	5	9	6.9	8787	PASS
173	174	0.00	2	1.2	1405	PASS
174	95	50	100	88.8	112901	PASS
175	174	5	9	7.6	8537	PASS
176	174	95	101	96.4	108888	PASS
177	176	5	9	6.5	7038	PASS

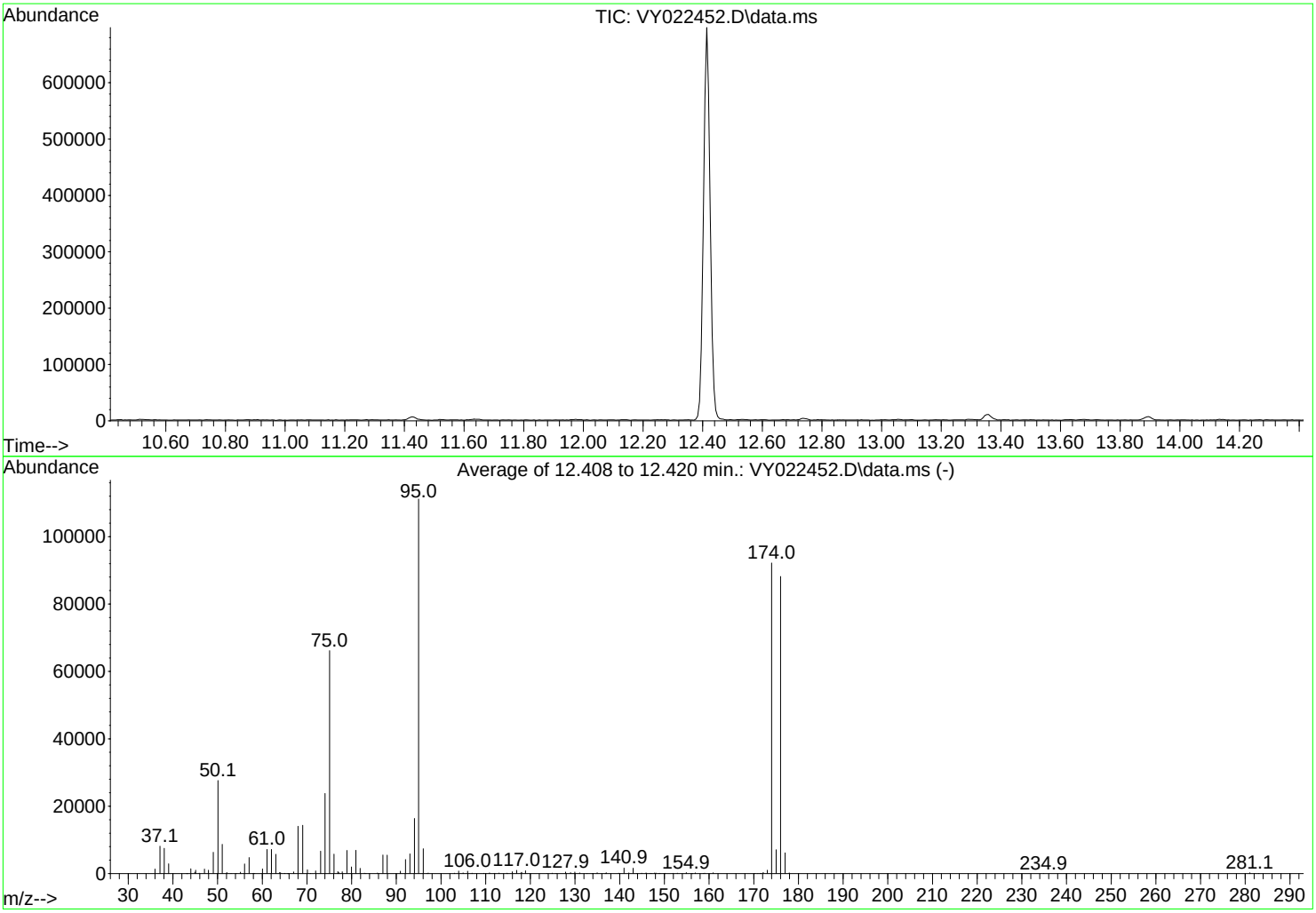
Sample Results: **VY022452.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022452.D
Acq On : 29 May 2025 07:54
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\82Y052725S.M
Title : SW846 8260
Last Update : Wed May 28 10:34:06 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.8	27616	PASS
75	95	30	60	59.5	66192	PASS
95	95	100	100	100.0	111184	PASS
96	95	5	9	6.6	7367	PASS
173	174	0.00	2	1.1	1032	PASS
174	95	50	100	82.9	92195	PASS
175	174	5	9	7.7	7073	PASS
176	174	95	101	95.6	88176	PASS
177	176	5	9	7.0	6175	PASS

Raw Data: **VY022454.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:	98 Morse Ave Nutley	Date Received:	
Client Sample ID:	VY0529SBL01	SDG No.:	Q2147
Lab Sample ID:	VY0529SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022454.D	1		05/29/25 08:56	VY052925

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: **VY022454.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:	98 Morse Ave Nutley	Date Received:	
Client Sample ID:	VY0529SBL01	SDG No.:	Q2147
Lab Sample ID:	VY0529SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022454.D	1		05/29/25 08:56	VY052925

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	53.3		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.9		17 - 146	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	321000	7.719			
540-36-3	1,4-Difluorobenzene	585000	8.621			
3114-55-4	Chlorobenzene-d5	456000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.352			

Raw Data: **VY022454.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:	98 Morse Ave Nutley	Date Received:	
Client Sample ID:	VY0529SBL01	SDG No.:	Q2147
Lab Sample ID:	VY0529SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022454.D	1		05/29/25 08:56	VY052925

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\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Time: May 30 05:29:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	320837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	584950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	455837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	159461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	180255	53.339	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.680%			
35) Dibromofluoromethane	7.646	113	173894	50.762	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.520%			
50) Toluene-d8	10.115	98	699660	50.101	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.413	95	172737	40.893	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.780%			

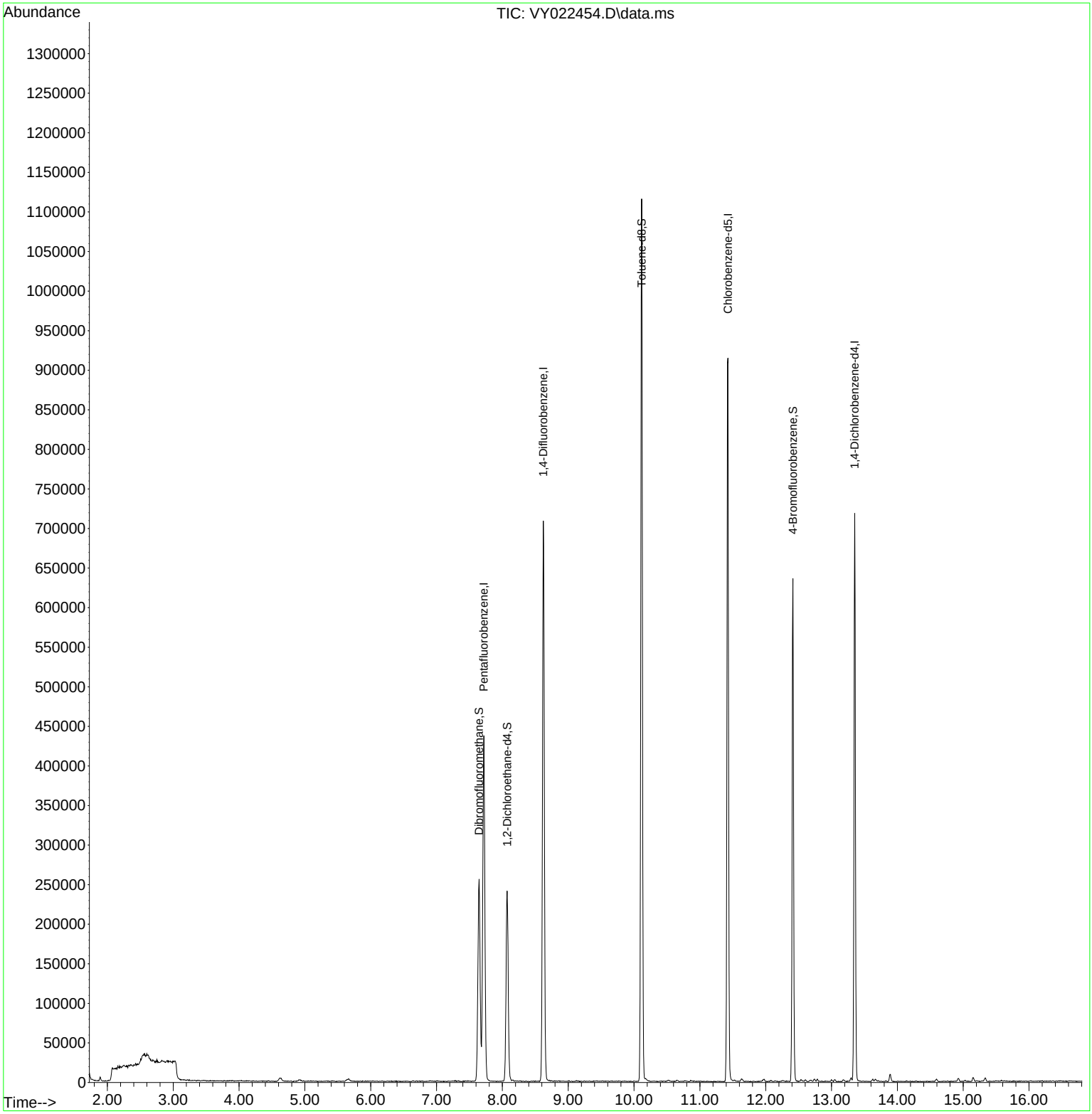
Target Compounds Qvalue

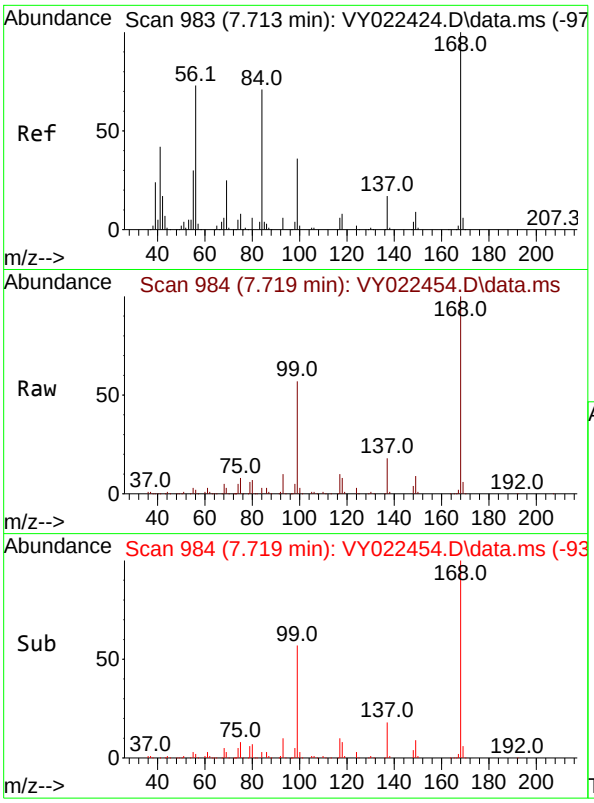
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Time: May 30 05:29:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



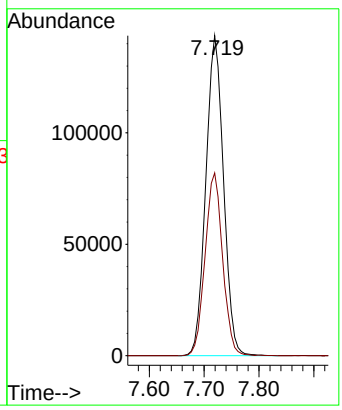


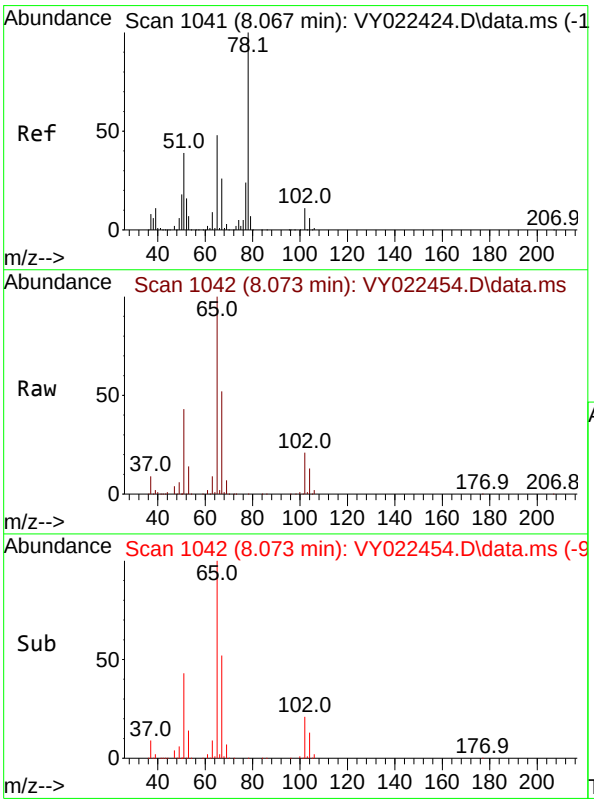
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Tgt Ion:168 Resp: 320837

Ion	Ratio	Lower	Upper
168	100		
99	57.1	44.7	67.1

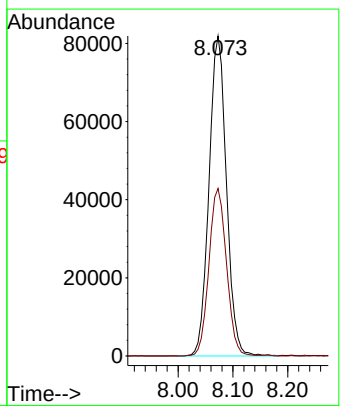


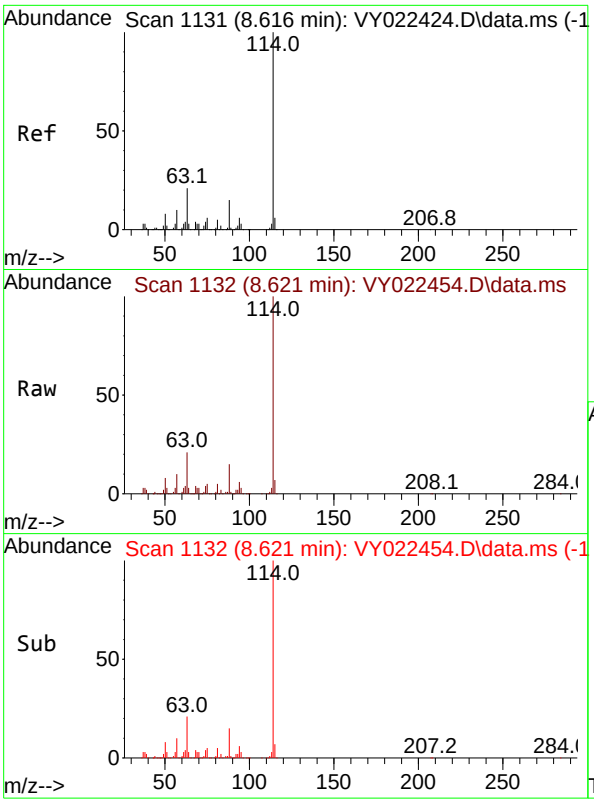


#33
1,2-Dichloroethane-d4
Concen: 53.339 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion: 65 Resp: 180255

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.4



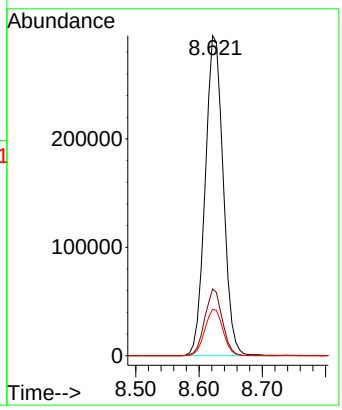


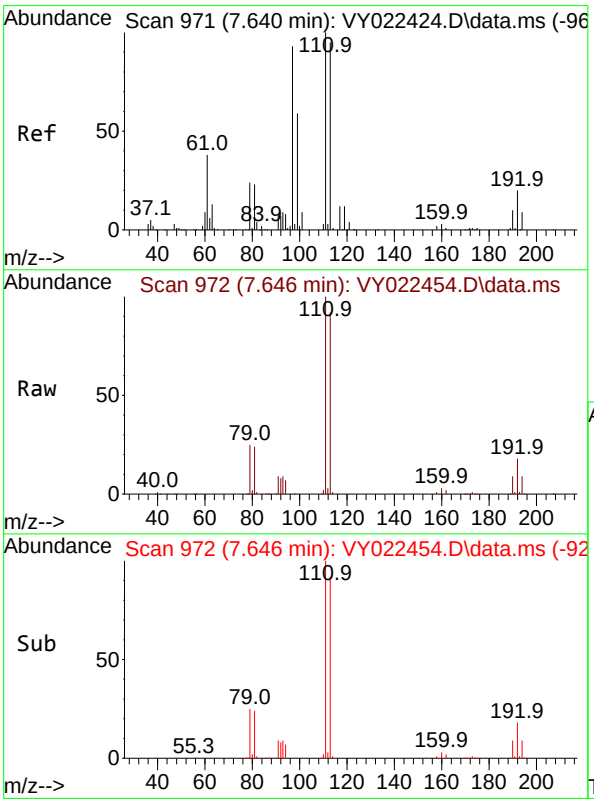
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Tgt Ion:114 Resp: 584950

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.6
88	14.5	0.0	29.4

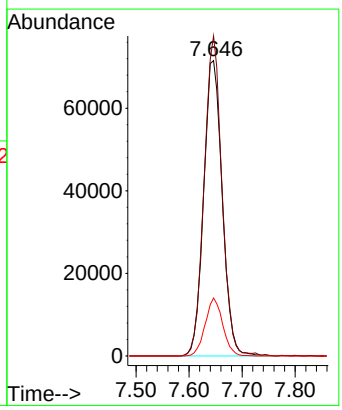


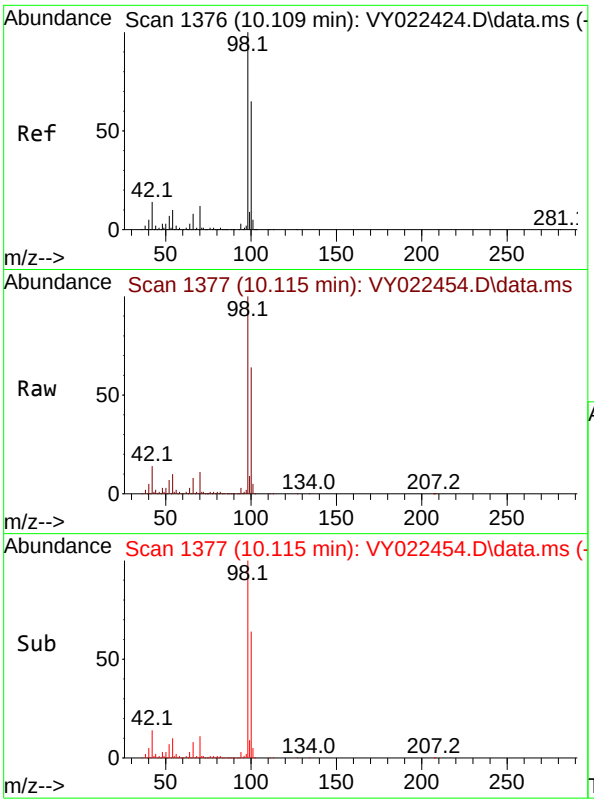


#35
Dibromofluoromethane
Concen: 50.762 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion:113 Resp: 173894

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	18.6	15.2	22.8



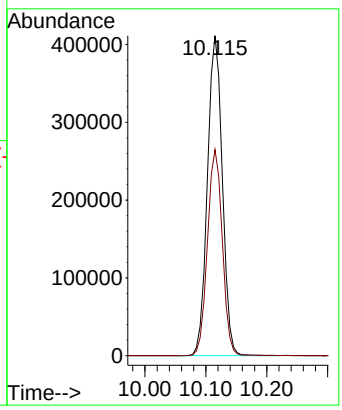


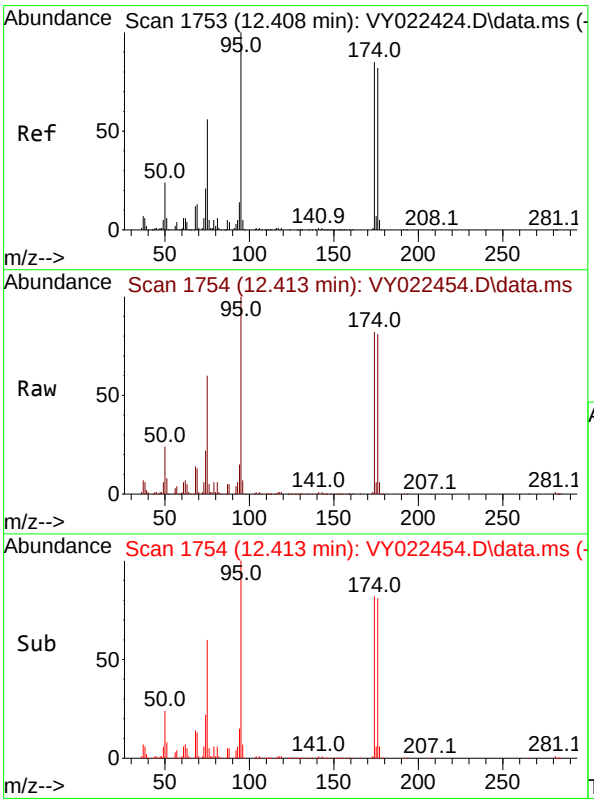
#50
Toluene-d8
Concen: 50.101 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Tgt Ion: 98 Resp: 699660

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.2

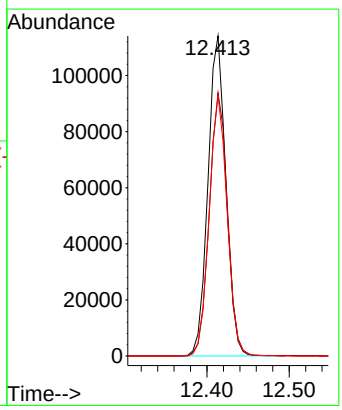


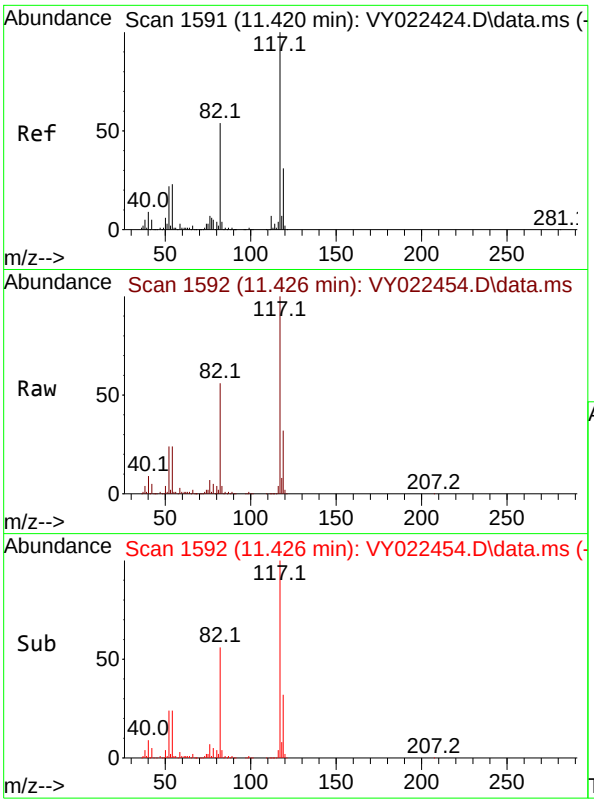


#62
4-Bromofluorobenzene
Concen: 40.893 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion: 95 Resp: 172737

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	171.6
176	81.5	0.0	164.6



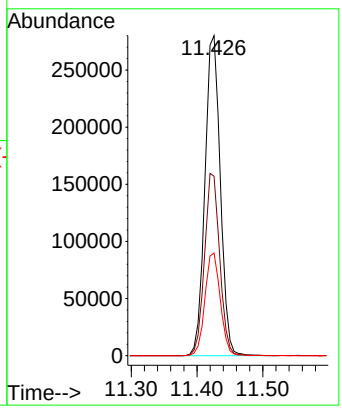


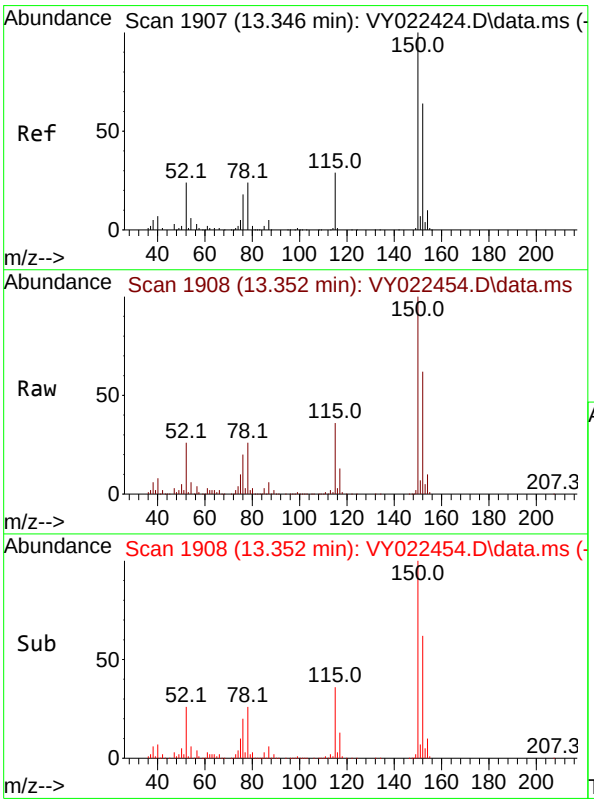
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Tgt Ion:117 Resp: 455837

Ion	Ratio	Lower	Upper
117	100		
82	56.1	43.3	64.9
119	32.1	24.5	36.7

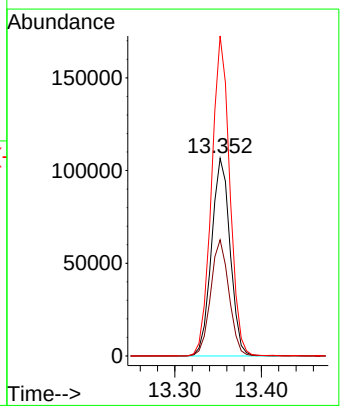




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion:152 Resp: 159461

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.4	85.3
150	157.8	0.0	345.8



Sample Results: **VY022454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022454.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	51	59	60	rBV3	16100	28783	1.51%	0.321%
2	7.646	961	972	978	rBV	255112	607533	31.93%	6.771%
3	7.719	978	984	1000	rVB	436707	975162	51.25%	10.868%
4	8.073	1032	1042	1053	rBV	240353	537253	28.24%	5.987%
5	8.621	1123	1132	1146	rBV	708320	1387838	72.95%	15.467%
6	10.115	1369	1377	1386	rBV	1115218	1902581	100.00%	21.203%
7	11.426	1583	1592	1605	rBV	914308	1506160	79.16%	16.785%
8	12.413	1746	1754	1763	rBV	635695	980938	51.56%	10.932%
9	13.352	1902	1908	1916	rVB	716844	1046890	55.02%	11.667%

Sum of corrected areas: 8973138

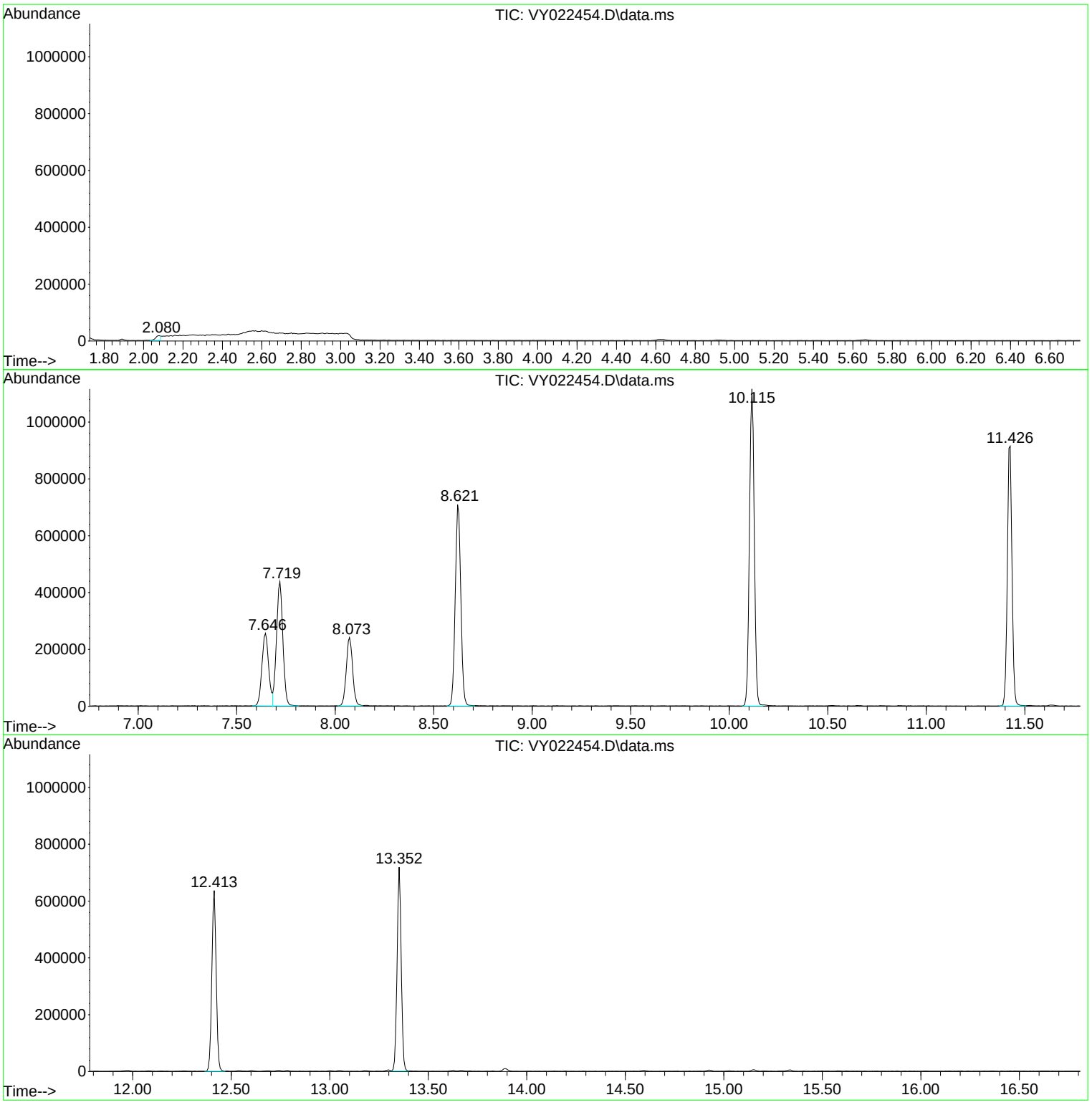
Sample Results: **VY022454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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: **VY022455.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:	98 Morse Ave Nutley	Date Received:	
Client Sample ID:	VY0529SBS01	SDG No.:	Q2147
Lab Sample ID:	VY0529SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022455.D	1		05/29/25 09:27	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.5		1.10	5.00	ug/Kg
74-87-3	Chloromethane	26.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	23.7		0.79	5.00	ug/Kg
74-83-9	Bromomethane	28.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	26.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	24.0		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.3		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.9		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.4		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Raw Data: **VY022455.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:	98 Morse Ave Nutley	Date Received:	
Client Sample ID:	VY0529SBS01	SDG No.:	Q2147
Lab Sample ID:	VY0529SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022455.D	1		05/29/25 09:27	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.2		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	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	20.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.6		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		17 - 146	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	7.719			
540-36-3	1,4-Difluorobenzene	377000	8.622			
3114-55-4	Chlorobenzene-d5	320000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.352			

Raw Data: **VY022455.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:	98 Morse Ave Nutley	Date Received:	
Client Sample ID:	VY0529SBS01	SDG No.:	Q2147
Lab Sample ID:	VY0529SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022455.D	1		05/29/25 09:27	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY022455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022455.D
Acq On : 29 May 2025 09:27
Operator : SY/MD
Sample : VY0529SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.719	168	217849	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	376540	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.420	117	319754	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	148991	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.073	65	122757	53.498 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.000%		
35) Dibromofluoromethane	7.646	113	109319	49.575 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.140%		
50) Toluene-d8	10.115	98	446049	49.620 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%		
62) 4-Bromofluorobenzene	12.414	95	131041	48.192 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.380%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.873	85	46688	22.463 ug/l	98
3) Chloromethane	2.074	50	134444	26.297 ug/l	98
4) Vinyl Chloride	2.208	62	147122	23.688 ug/l	98
5) Bromomethane	2.598	94	157906	27.978 ug/l	96
6) Chloroethane	2.738	64	107679	26.532 ug/l	99
7) Trichlorofluoromethane	3.055	101	125536	23.956 ug/l	96
8) Diethyl Ether	3.464	74	27444	22.714 ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	49269	21.431 ug/l	99
10) Methyl Iodide	4.019	142	50019	19.285 ug/l	99
11) Tert butyl alcohol	4.897	59	19308	119.376 ug/l	97
12) 1,1-Dichloroethene	3.799	96	48631	21.307 ug/l	96
13) Acrolein	3.665	56	24794	102.308 ug/l	99
14) Allyl chloride	4.391	41	75557	22.007 ug/l	99
15) Acrylonitrile	5.073	53	56731	116.484 ug/l	99
16) Acetone	3.885	43	42974	113.971 ug/l	94
17) Carbon Disulfide	4.116	76	152446	20.930 ug/l	99
18) Methyl Acetate	4.397	43	32296	22.865 ug/l	98
19) Methyl tert-butyl Ether	5.134	73	135345	22.336 ug/l	97
20) Methylene Chloride	4.628	84	55665	20.906 ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	52156	20.931 ug/l	95
22) Diisopropyl ether	6.031	45	165331	21.818 ug/l	98
23) Vinyl Acetate	5.976	43	484839	111.434 ug/l	98
24) 1,1-Dichloroethane	5.921	63	96506	21.553 ug/l	98
25) 2-Butanone	6.908	43	71529	113.906 ug/l	100
26) 2,2-Dichloropropane	6.890	77	83691	20.642 ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	61114	21.186 ug/l	98
28) Bromochloromethane	7.256	49	41852	22.384 ug/l	99
29) Tetrahydrofuran	7.280	42	49922	119.201 ug/l	98
30) Chloroform	7.433	83	96292	21.825 ug/l	96
31) Cyclohexane	7.713	56	91969	20.837 ug/l #	91
32) 1,1,1-Trichloroethane	7.628	97	85584	21.373 ug/l	99
36) 1,1-Dichloropropene	7.847	75	71878	20.541 ug/l	99
37) Ethyl Acetate	7.000	43	34104	22.933 ug/l	99
38) Carbon Tetrachloride	7.823	117	73360	20.125 ug/l	97
39) Methylcyclohexane	9.115	83	94592	20.336 ug/l	94
40) Benzene	8.091	78	216938	20.835 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022455.D
Acq On : 29 May 2025 09:27
Operator : SY/MD
Sample : VY0529SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 30 05:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	19377	21.468	ug/l		88
42) 1,2-Dichloroethane	8.164	62	59459	21.622	ug/l		98
43) Isopropyl Acetate	8.207	43	72871	22.425	ug/l	#	87
44) Trichloroethene	8.871	130	52748	20.493	ug/l		89
45) 1,2-Dichloropropane	9.146	63	51691	21.130	ug/l		94
46) Dibromomethane	9.243	93	28793	21.069	ug/l		99
47) Bromodichloromethane	9.432	83	73499	20.914	ug/l		95
48) Methyl methacrylate	9.231	41	34348	22.770	ug/l		99
49) 1,4-Dioxane	9.237	88	6938	459.638	ug/l		94
51) 4-Methyl-2-Pentanone	10.005	43	180359	112.489	ug/l		99
52) Toluene	10.176	92	130911	20.130	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	69246	21.154	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	79429	20.650	ug/l		96
55) 1,1,2-Trichloroethane	10.578	97	36436	21.088	ug/l		98
56) Ethyl methacrylate	10.444	69	52736	21.269	ug/l		98
57) 1,3-Dichloropropane	10.725	76	66794	21.937	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	124474	100.727	ug/l		98
59) 2-Hexanone	10.767	43	119129	113.375	ug/l		99
60) Dibromochloromethane	10.920	129	46556	21.093	ug/l		98
61) 1,2-Dibromoethane	11.024	107	33658	21.298	ug/l		98
64) Tetrachloroethene	10.652	164	56988	20.927	ug/l		96
65) Chlorobenzene	11.450	112	137324	20.141	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.523	131	45717	19.790	ug/l		98
67) Ethyl Benzene	11.523	91	248860	19.657	ug/l		97
68) m/p-Xylenes	11.633	106	186984	38.956	ug/l		97
69) o-Xylene	11.962	106	89547	19.850	ug/l		99
70) Styrene	11.975	104	150631	20.053	ug/l		100
71) Bromoform	12.139	173	25838	21.354	ug/l	#	97
73) Isopropylbenzene	12.261	105	231788	19.767	ug/l		99
74) N-amyl acetate	12.078	43	62329	21.723	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	38907	21.059	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	30908m	20.710	ug/l		
77) Bromobenzene	12.535	156	50007	19.817	ug/l		97
78) n-propylbenzene	12.603	91	280089	19.904	ug/l		100
79) 2-Chlorotoluene	12.682	91	149938	19.683	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	183061	19.980	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	13668	20.711	ug/l		96
82) 4-Chlorotoluene	12.785	91	154200	19.655	ug/l		99
83) tert-Butylbenzene	13.005	119	166325	20.093	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	179206	19.437	ug/l		100
85) sec-Butylbenzene	13.182	105	247028	20.122	ug/l		99
86) p-Isopropyltoluene	13.297	119	201014	19.608	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	98707	19.441	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	95858	19.745	ug/l		96
89) n-Butylbenzene	13.621	91	193195	20.100	ug/l		100
90) Hexachloroethane	13.883	117	41291	20.240	ug/l		94
91) 1,2-Dichlorobenzene	13.663	146	86130	20.310	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6529	22.870	ug/l		88
93) 1,2,4-Trichlorobenzene	14.925	180	46466	19.764	ug/l		96
94) Hexachlorobutadiene	15.029	225	25447	20.624	ug/l		96
95) Naphthalene	15.151	128	90867	20.906	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	39732	20.606	ug/l		97

Sample Results: **VY022455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022455.D
Acq On : 29 May 2025 09:27
Operator : SY/MD
Sample : VY0529SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

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

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

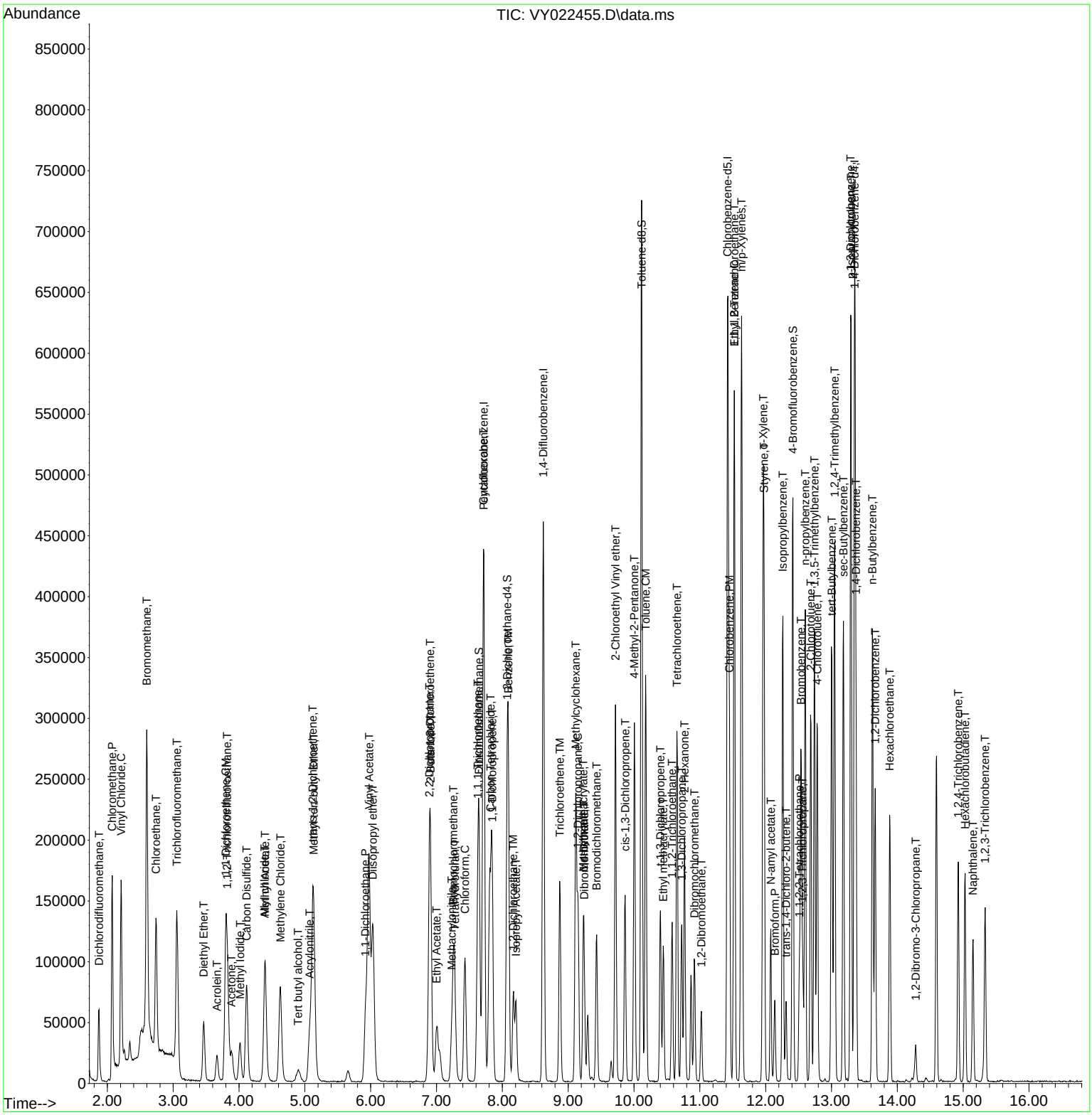
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022455.D
Acq On : 29 May 2025 09:27
Operator : SY/MD
Sample : VY0529SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 30 05:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



Raw Data: **VY022456.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:	98 Morse Ave Nutley	Date Received:	
Client Sample ID:	VY0529SBSD01	SDG No.:	Q2147
Lab Sample ID:	VY0529SBSD01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022456.D	1		05/29/25 09:50	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	23.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	26.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	28.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	27.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	25.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	22.1		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	23.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	25.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	22.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	98 Morse Ave Nutley	Date Received:	
Client Sample ID:	VY0529SBSD01	SDG No.:	Q2147
Lab Sample ID:	VY0529SBSD01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022456.D	1		05/29/25 09:50	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.3		0.82	5.00	ug/Kg
100-42-5	Styrene	20.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.2		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	22.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	51.6		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	206000	7.713			
540-36-3	1,4-Difluorobenzene	360000	8.622			
3114-55-4	Chlorobenzene-d5	306000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.347			

Raw Data: **VY022456.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:	98 Morse Ave Nutley	Date Received:	
Client Sample ID:	VY0529SBSD01	SDG No.:	Q2147
Lab Sample ID:	VY0529SBSD01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022456.D	1		05/29/25 09:50	VY052925

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\VY052925\
Data File : VY022456.D
Acq On : 29 May 2025 09:50
Operator : SY/MD
Sample : VY0529SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 05:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda
05/30/2025
Supervised By :Semsettin Yesilyurt
05/30/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.713	168	205776	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	359832	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305847	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	140548	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.067	65	119518	55.142 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.280%		
35) Dibromofluoromethane	7.640	113	110555	52.463 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.920%		
50) Toluene-d8	10.109	98	443079	51.578 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.160%		
62) 4-Bromofluorobenzene	12.408	95	129686	49.908 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.820%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	45950	23.405 ug/l	96
3) Chloromethane	2.068	50	127635	26.430 ug/l	99
4) Vinyl Chloride	2.208	62	143639	24.484 ug/l	98
5) Bromomethane	2.598	94	153498	28.792 ug/l	96
6) Chloroethane	2.739	64	103463	26.988 ug/l	99
7) Trichlorofluoromethane	3.050	101	125182	25.290 ug/l	97
8) Diethyl Ether	3.458	74	27089	23.735 ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	46248	21.297 ug/l	100
10) Methyl Iodide	4.007	142	52695	21.509 ug/l	98
11) Tert butyl alcohol	4.897	59	18285	119.684 ug/l	99
12) 1,1-Dichloroethene	3.793	96	47557	22.059 ug/l	96
13) Acrolein	3.659	56	23667	103.387 ug/l	99
14) Allyl chloride	4.391	41	72904	22.480 ug/l	98
15) Acrylonitrile	5.068	53	53746	116.830 ug/l	100
16) Acetone	3.885	43	41379	116.179 ug/l	96
17) Carbon Disulfide	4.110	76	148882	21.639 ug/l	99
18) Methyl Acetate	4.391	43	33619	25.198 ug/l	99
19) Methyl tert-butyl Ether	5.116	73	131747	23.017 ug/l	99
20) Methylene Chloride	4.629	84	53789	21.387 ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	51482	21.873 ug/l	97
22) Diisopropyl ether	6.025	45	161945	22.626 ug/l	98
23) Vinyl Acetate	5.970	43	456630	111.108 ug/l	98
24) 1,1-Dichloroethane	5.921	63	96288	22.766 ug/l	99
25) 2-Butanone	6.903	43	68030	114.690 ug/l	99
26) 2,2-Dichloropropane	6.890	77	81729	21.341 ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	59568	21.861 ug/l	99
28) Bromochloromethane	7.256	49	38824	21.983 ug/l	100
29) Tetrahydrofuran	7.274	42	46439	117.391 ug/l	98
30) Chloroform	7.427	83	94926	22.777 ug/l	98
31) Cyclohexane	7.707	56	86206	20.677 ug/l #	93
32) 1,1,1-Trichloroethane	7.622	97	81565	21.565 ug/l	98
36) 1,1-Dichloropropene	7.841	75	69669	20.835 ug/l	100
37) Ethyl Acetate	6.994	43	31627	22.255 ug/l	96
38) Carbon Tetrachloride	7.823	117	71355	20.484 ug/l	94
39) Methylcyclohexane	9.116	83	88788	19.975 ug/l	97
40) Benzene	8.085	78	212449	21.352 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022456.D
Acq On : 29 May 2025 09:50
Operator : SY/MD
Sample : VY0529SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 05:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda
05/30/2025
Supervised By :Semsettin Yesilyurt
05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	17862	20.709	ug/l		89
42) 1,2-Dichloroethane	8.165	62	57566	21.906	ug/l		100
43) Isopropyl Acetate	8.201	43	68235	21.973	ug/l	#	87
44) Trichloroethene	8.872	130	51499	20.937	ug/l		98
45) 1,2-Dichloropropane	9.146	63	51267	21.930	ug/l		96
46) Dibromomethane	9.238	93	28152	21.556	ug/l		98
47) Bromodichloromethane	9.427	83	72157	21.486	ug/l		99
48) Methyl methacrylate	9.225	41	31618	21.934	ug/l		100
49) 1,4-Dioxane	9.238	88	6628	459.490	ug/l		99
51) 4-Methyl-2-Pentanone	10.000	43	169643	110.718	ug/l		100
52) Toluene	10.176	92	127807	20.565	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	66189	21.159	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	77958	21.209	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	35077	21.244	ug/l		95
56) Ethyl methacrylate	10.445	69	50615	21.361	ug/l		97
57) 1,3-Dichloropropane	10.719	76	62576	21.506	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	124329	105.282	ug/l		98
59) 2-Hexanone	10.768	43	112377	111.915	ug/l		100
60) Dibromochloromethane	10.914	129	44484	21.090	ug/l		98
61) 1,2-Dibromoethane	11.018	107	32567	21.565	ug/l		100
64) Tetrachloroethene	10.652	164	54451	20.904	ug/l		97
65) Chlorobenzene	11.444	112	136170	20.880	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	45682	20.674	ug/l		98
67) Ethyl Benzene	11.524	91	245127	20.243	ug/l		99
68) m/p-Xylenes	11.633	106	183812	40.037	ug/l		100
69) o-Xylene	11.957	106	87779	20.343	ug/l		100
70) Styrene	11.975	104	146742	20.424	ug/l		100
71) Bromoform	12.133	173	24149	20.865	ug/l	#	97
73) Isopropylbenzene	12.255	105	226043	20.435	ug/l		99
74) N-amyl acetate	12.072	43	58739	21.701	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	37969	21.786	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	26369m	18.730	ug/l		
77) Bromobenzene	12.536	156	48852	20.522	ug/l		96
78) n-propylbenzene	12.597	91	274435	20.673	ug/l		98
79) 2-Chlorotoluene	12.682	91	148607	20.680	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	179270	20.742	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13230	21.252	ug/l		99
82) 4-Chlorotoluene	12.780	91	152410	20.594	ug/l		99
83) tert-Butylbenzene	12.999	119	157690	20.194	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	178877	20.566	ug/l		100
85) sec-Butylbenzene	13.176	105	238715	20.613	ug/l		100
86) p-Isopropyltoluene	13.292	119	196000	20.268	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	97966	20.454	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	97065	21.194	ug/l		99
89) n-Butylbenzene	13.621	91	188466	20.785	ug/l		100
90) Hexachloroethane	13.883	117	40139	20.858	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	84578	21.142	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6003	22.291	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	48125	21.699	ug/l		97
94) Hexachlorobutadiene	15.023	225	24884	21.380	ug/l		97
95) Naphthalene	15.145	128	91603	22.342	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	39958	21.968	ug/l		97

Sample Results: **VY022456.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022456.D
Acq On : 29 May 2025 09:50
Operator : SY/MD
Sample : VY0529SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 05:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
05/30/2025

Supervised By :Semsettin Yesilyurt
05/30/2025

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\VY052925\
Data File : VY022456.D
Acq On : 29 May 2025 09:50
Operator : SY/MD
Sample : VY0529SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

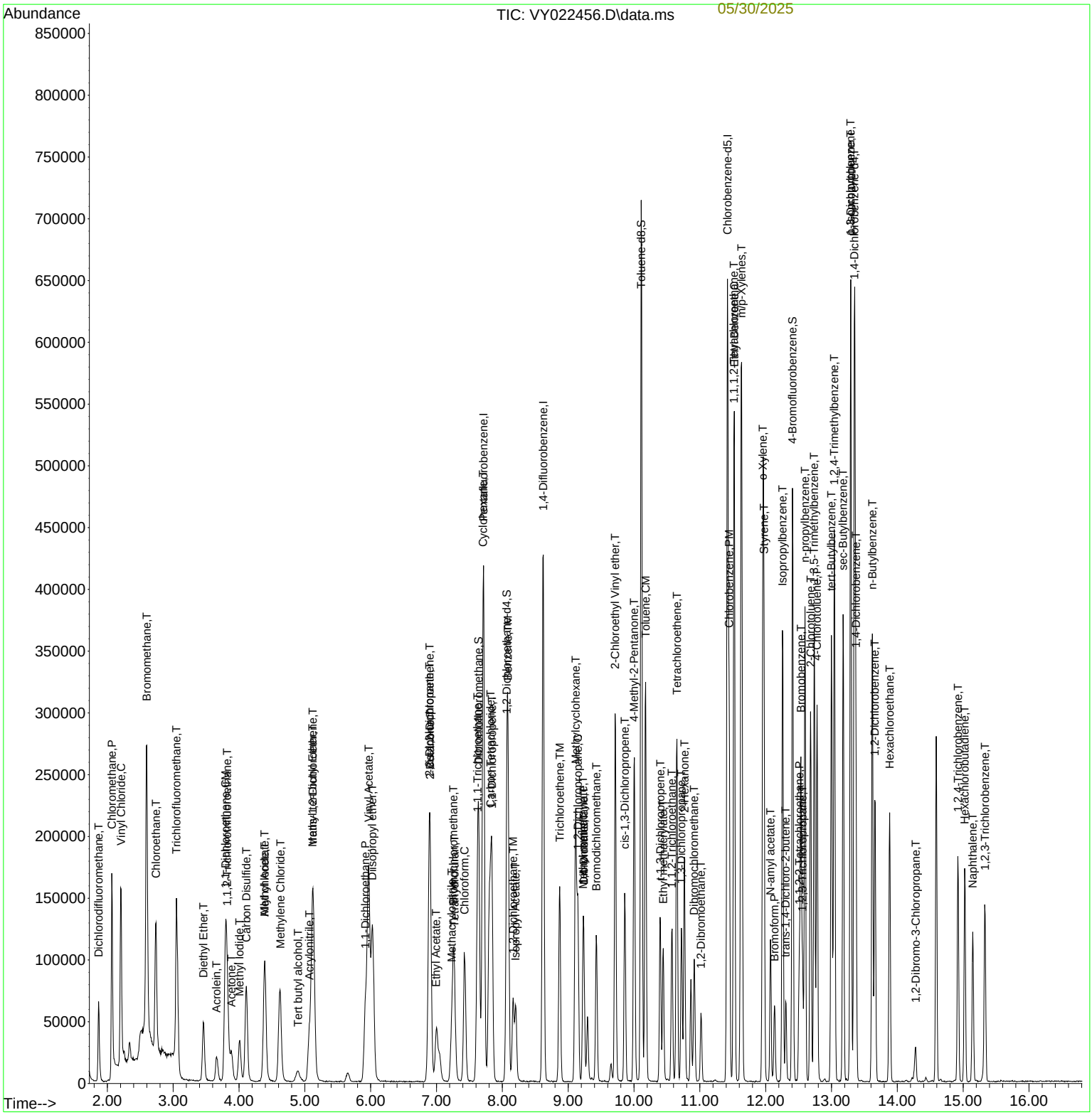
Quant Time: May 30 05:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
05/30/2025

Supervised By :Semsettin Yesilyurt
05/30/2025



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

Manual Integration Report

Sequence:	VY052725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022421.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDICC005	VY022421.D	Methacrylonitrile	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDICC005	VY022421.D	Tert butyl alcohol	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDICC010	VY022422.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:43 PM	MMDadoda	5/28/2025 12:56:10 PM	Peak Integrated by Software
VSTDICC010	VY022422.D	Methacrylonitrile	Amit	5/28/2025 12:55:43 PM	MMDadoda	5/28/2025 12:56:10 PM	Peak Integrated by Software
VSTDICC020	VY022423.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:47 PM	MMDadoda	5/28/2025 12:56:14 PM	Peak Integrated by Software
VSTDICC020	VY022423.D	Methacrylonitrile	Amit	5/28/2025 12:55:47 PM	MMDadoda	5/28/2025 12:56:14 PM	Peak Integrated by Software
VSTDICCC050	VY022424.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:51 PM	MMDadoda	5/28/2025 12:56:29 PM	Peak Integrated by Software
VSTDICC100	VY022425.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:55 PM	MMDadoda	5/28/2025 12:56:33 PM	Peak Integrated by Software
VSTDICC150	VY022426.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:59 PM	MMDadoda	5/28/2025 12:56:36 PM	Peak Integrated by Software
VSTDICC150	VY022426.D	Methacrylonitrile	Amit	5/28/2025 12:55:59 PM	MMDadoda	5/28/2025 12:56:36 PM	Peak Integrated by Software
VSTDICV050	VY022428.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:56:03 PM	MMDadoda	5/28/2025 12:56:40 PM	Peak Integrated by Software
VSTDICV050	VY022428.D	Methacrylonitrile	Amit	5/28/2025 12:56:03 PM	MMDadoda	5/28/2025 12:56:40 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY052725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022438.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:56:20 PM	MMDadoda	5/28/2025 12:56:54 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY052925	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022453.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:39 PM	Sam	5/30/2025 12:27:00 PM	Peak Integrated by Software
VSTDCCC050	VY022453.D	Methacrylonitrile	MMDadoda	5/30/2025 12:21:39 PM	Sam	5/30/2025 12:27:00 PM	Peak Integrated by Software
VY0529SBS01	VY022455.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:40 PM	Sam	5/30/2025 12:27:01 PM	Peak Integrated by Software
VY0529SBSD01	VY022456.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:44 PM	Sam	5/30/2025 12:27:03 PM	Peak Integrated by Software
VSTDCCC050	VY022470.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:50 PM	Sam	5/30/2025 12:27:07 PM	Peak Integrated by Software
VSTDCCC050	VY022470.D	Methacrylonitrile	MMDadoda	5/30/2025 12:21:50 PM	Sam	5/30/2025 12:27:07 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM				
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022420.D	27 May 2025 08:20	SY/MD	Ok
2	VSTDICC005	VY022421.D	27 May 2025 08:50	SY/MD	Ok,M
3	VSTDICC010	VY022422.D	27 May 2025 09:14	SY/MD	Ok,M
4	VSTDICC020	VY022423.D	27 May 2025 09:36	SY/MD	Ok,M
5	VSTDICCC050	VY022424.D	27 May 2025 09:59	SY/MD	Ok,M
6	VSTDICC100	VY022425.D	27 May 2025 10:22	SY/MD	Ok,M
7	VSTDICC150	VY022426.D	27 May 2025 10:44	SY/MD	Ok,M
8	VIBLK	VY022427.D	27 May 2025 11:20	SY/MD	Ok
9	VSTDICV050	VY022428.D	27 May 2025 11:56	SY/MD	Ok,M
10	VY0527SBL01	VY022429.D	27 May 2025 13:12	SY/MD	Ok
11	VY0527SBS01	VY022430.D	27 May 2025 13:35	SY/MD	Ok,M
12	VY0527SBSD01	VY022431.D	27 May 2025 13:57	SY/MD	Ok,M
13	Q2118-11RE	VY022432.D	27 May 2025 14:27	SY/MD	Confirms
14	Q2113-01	VY022433.D	27 May 2025 14:51	SY/MD	Not Ok
15	Q2128-03	VY022434.D	27 May 2025 15:14	SY/MD	Ok
16	Q2127-11RE	VY022435.D	27 May 2025 15:38	SY/MD	Confirms
17	Q2130-01	VY022436.D	27 May 2025 16:01	SY/MD	Ok
18	VIBLK	VY022437.D	27 May 2025 16:24	SY/MD	Ok
19	VSTDCCC050	VY022438.D	27 May 2025 17:10	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052925

Review By	Mahesh Dadoda	Review On	5/30/2025 12:21:56 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/30/2025 12:28:04 PM				
SubDirectory	VY052925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134049
Initial Calibration Stds	
CCC	VP134050,VP134051
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	VY022452.D	29 May 2025 07:54	SY/MD	Ok
2	VSTDCCC050	VY022453.D	29 May 2025 08:23	SY/MD	Ok,M
3	VY0529SBL01	VY022454.D	29 May 2025 08:56	SY/MD	Ok
4	VY0529SBS01	VY022455.D	29 May 2025 09:27	SY/MD	Ok,M
5	VY0529SBSD01	VY022456.D	29 May 2025 09:50	SY/MD	Ok,M
6	Q2126-03	VY022457.D	29 May 2025 10:53	SY/MD	ReRun
7	Q2126-03	VY022458.D	29 May 2025 11:38	SY/MD	ReRun
8	Q2147-02	VY022459.D	29 May 2025 12:02	SY/MD	Ok
9	Q2150-01	VY022460.D	29 May 2025 12:25	SY/MD	Ok
10	Q2150-02	VY022461.D	29 May 2025 12:49	SY/MD	ReRun
11	Q2150-03	VY022462.D	29 May 2025 13:12	SY/MD	Ok
12	Q2150-04	VY022463.D	29 May 2025 13:36	SY/MD	Ok
13	Q2150-05	VY022464.D	29 May 2025 13:59	SY/MD	ReRun
14	Q2150-06	VY022465.D	29 May 2025 14:22	SY/MD	Ok
15	Q2150-07	VY022466.D	29 May 2025 14:46	SY/MD	Ok
16	Q2150-08	VY022467.D	29 May 2025 15:09	SY/MD	Ok
17	Q2150-09	VY022468.D	29 May 2025 15:33	SY/MD	Ok
18	Q2150-10	VY022469.D	29 May 2025 15:56	SY/MD	Ok
19	VSTDCCC050	VY022470.D	29 May 2025 17:04	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM		
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022420.D	27 May 2025 08:20		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022421.D	27 May 2025 08:50		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022422.D	27 May 2025 09:14		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022423.D	27 May 2025 09:36		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022424.D	27 May 2025 09:59		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022425.D	27 May 2025 10:22		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022426.D	27 May 2025 10:44		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022427.D	27 May 2025 11:20		SY/MD	Ok
9	VSTDICV050	ICVVY052725	VY022428.D	27 May 2025 11:56		SY/MD	Ok,M
10	VY0527SBL01	VY0527SBL01	VY022429.D	27 May 2025 13:12		SY/MD	Ok
11	VY0527SBS01	VY0527SBS01	VY022430.D	27 May 2025 13:35		SY/MD	Ok,M
12	VY0527SBSD01	VY0527SBSD01	VY022431.D	27 May 2025 13:57		SY/MD	Ok,M
13	Q2118-11RE	BP-VPB-182-GW-500-5	VY022432.D	27 May 2025 14:27	vial-B Surrogate Fail	SY/MD	Confirms
14	Q2113-01	HD-02-05222025	VY022433.D	27 May 2025 14:51	vial-B not purged	SY/MD	Not Ok
15	Q2128-03	TP03-MHM-VOC	VY022434.D	27 May 2025 15:14	vial-A	SY/MD	Ok
16	Q2127-11RE	COMP-2RE	VY022435.D	27 May 2025 15:38	vial-B Internal Standard Fail	SY/MD	Confirms
17	Q2130-01	TP-3	VY022436.D	27 May 2025 16:01	vial-A	SY/MD	Ok
18	VIBLK	VIBLK	VY022437.D	27 May 2025 16:24		SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM		
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VY022438.D	27 May 2025 17:10		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052925

Review By	Mahesh Dadoda	Review On	5/30/2025 12:21:56 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/30/2025 12:28:04 PM		
SubDirectory	VY052925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134049
Initial Calibration Stds	
CCC	VP134050,VP134051
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	VY022452.D	29 May 2025 07:54		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022453.D	29 May 2025 08:23	CCAL failed low for comp. #13	SY/MD	Ok,M
3	VY0529SBL01	VY0529SBL01	VY022454.D	29 May 2025 08:56		SY/MD	Ok
4	VY0529SBS01	VY0529SBS01	VY022455.D	29 May 2025 09:27		SY/MD	Ok,M
5	VY0529SBSD01	VY0529SBSD01	VY022456.D	29 May 2025 09:50		SY/MD	Ok,M
6	Q2126-03	MDL-SOIL-03-QT2-202	VY022457.D	29 May 2025 10:53	CCAL failed low	SY/MD	ReRun
7	Q2126-03	MDL-SOIL-03-QT2-202	VY022458.D	29 May 2025 11:38	CCAL failed low	SY/MD	ReRun
8	Q2147-02	VOC	VY022459.D	29 May 2025 12:02	vial-A Internal Standard Fail;	SY/MD	Ok
9	Q2150-01	TP-44	VY022460.D	29 May 2025 12:25	vial-A	SY/MD	Ok
10	Q2150-02	TP-42	VY022461.D	29 May 2025 12:49	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q2150-03	TP-39	VY022462.D	29 May 2025 13:12	vial-A	SY/MD	Ok
12	Q2150-04	TP-48	VY022463.D	29 May 2025 13:36	vial-A	SY/MD	Ok
13	Q2150-05	TP-47	VY022464.D	29 May 2025 13:59	vial-A Internal Standard Fail; Surrogate fail	SY/MD	ReRun
14	Q2150-06	TP-50	VY022465.D	29 May 2025 14:22	vial-A	SY/MD	Ok
15	Q2150-07	TP-51	VY022466.D	29 May 2025 14:46	vial-A	SY/MD	Ok
16	Q2150-08	TP-52	VY022467.D	29 May 2025 15:09	vial-A	SY/MD	Ok
17	Q2150-09	TP-54	VY022468.D	29 May 2025 15:33	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052925

Review By	Mahesh Dadoda	Review On	5/30/2025 12:21:56 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/30/2025 12:28:04 PM		
SubDirectory	VY052925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134049
Initial Calibration Stds	
CCC	VP134050,VP134051
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2150-10	TP-53	VY022469.D	29 May 2025 15:56	vial-A	SY/MD	Ok
19	VSTDCCC050	VSTDCCC050EC	VY022470.D	29 May 2025 17:04		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 05/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135934

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
Q2135-01	1977	1	1.00	1.00	2.00	2.00	100.0	caluk
Q2136-01	OR-646-COMP-52	2	1.18	10.37	11.55	10.04	85.4	
Q2136-02	OR-646-VOC-52	3	1.15	10.30	11.45	9.45	80.6	
Q2136-03	OR-646-154	4	1.19	10.53	11.72	9.58	79.7	
Q2136-04	OR-646-155	5	1.19	10.00	11.19	8.97	77.8	
Q2137-01	MOO-25-0149	6	1.00	1.00	2.00	2.00	100.0	debris
Q2137-02	MOO-25-0149	7	1.00	1.00	2.00	2.00	100.0	debris
Q2138-01	SMALL-CONCRETE-PAD	8	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2139-01	BELL-25-0010	9	1.00	1.00	2.00	2.00	100.0	debris
Q2139-02	BELL-25-0010	10	1.00	1.00	2.00	2.00	100.0	debris
Q2140-01	KMH5090-1-1	11	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2140-02	KMH5090-1-2	12	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2141-01	VNJ-215	13	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2142-01	Y2309-0029-1-1	14	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2142-02	Y2309-0029-1-2	15	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2143-01	ELI-46-36-25-58-53	16	1.00	1.00	2.00	2.00	100.0	debris
Q2143-02	ELI-57-43-35-26	17	1.14	10.32	11.46	11.03	95.8	
Q2144-01	OILY-DEBRIS-COMP-A	18	1.00	1.00	2.00	2.00	100.0	debris
Q2144-02	OILY-DEBRIS-COMP-B	19	1.18	10.04	11.22	10.55	93.3	
Q2146-01	TP04-MHN-WC	20	1.15	9.93	11.08	9.08	79.9	
Q2146-02	TP04-MHN-VOC	21	1.19	10.53	11.72	10.27	86.2	
Q2146-03	TP04-MHN-EPH	22	1.12	10.87	11.99	8.21	65.2	
Q2147-01	WASTE	23	1.18	10.78	11.96	10.00	81.8	
Q2147-02	VOC	24	1.14	10.53	11.67	9.82	82.4	
Q2147-03	1	25	1.18	10.71	11.89	10.41	86.2	
Q2147-04	2	26	1.17	10.64	11.81	10.23	85.2	
Q2147-05	3	27	1.13	10.66	11.79	10.33	86.3	
Q2147-06	4	28	1.16	10.68	11.84	10.26	85.2	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 05/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135934

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
Q2147-07	5	29	1.18	9.87	11.05	9.58	85.1	
Q2149-01	FILTER-CAKE	30	1.15	10.37	11.52	7.32	59.5	

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

WORKLIST(Hardcopy Internal Chain)

VB135934

WorkList Name : %1-052825 **WorkList ID :** 189773 **Department :** Wet-Chemistry **Date :** 05-28-2025 08:19:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2135-01	1977	Solid	Percent Solids	Cool 4 deg C	ATCE02	L31	05/28/2025	Chemtech -SO
Q2136-01	OR-646-COMP-52	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/27/2025	Chemtech -SO
Q2136-02	OR-646-VOC-52	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/27/2025	Chemtech -SO
Q2136-03	OR-646-154	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/27/2025	Chemtech -SO
Q2136-04	OR-646-155	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/27/2025	Chemtech -SO
Q2137-01	MOO-25-0149	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/27/2025	Chemtech -SO
Q2137-02	MOO-25-0149	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/28/2025	Chemtech -SO
Q2138-01	SMALL-CONCRETE-PAD	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/28/2025	Chemtech -SO
Q2139-01	BELL-25-0010	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/28/2025	Chemtech -SO
Q2139-02	BELL-25-0010	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/28/2025	Chemtech -SO
Q2140-01	KMH5090-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/28/2025	Chemtech -SO
Q2140-02	KMH5090-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/28/2025	Chemtech -SO
Q2141-01	VNJ-215	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/28/2025	Chemtech -SO
Q2142-01	Y2309-0029-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/28/2025	Chemtech -SO
Q2142-02	Y2309-0029-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/28/2025	Chemtech -SO
Q2143-01	ELI-46-36-25-58-53	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/28/2025	Chemtech -SO
Q2143-02	ELI-57-43-35-26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/28/2025	Chemtech -SO
Q2144-01	OILY-DEBRIS-COMP-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/28/2025	Chemtech -SO
Q2144-02	OILY-DEBRIS-COMP-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/28/2025	Chemtech -SO
Q2146-01	TP04-MHN-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/28/2025	Chemtech -SO
Q2146-02	TP04-MHN-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/28/2025	Chemtech -SO

Date/Time 05/28/25 15:30

Raw Sample Received by: SG WC)

Raw Sample Relinquished by: AP SM

Date/Time 05/28/25 17:15

Raw Sample Received by: AP SM

Raw Sample Relinquished by: SG WC)

WORKLIST(Hardcopy Internal Chain)

VB 135934

WorkList Name : %1-052825 **WorkList ID :** 189773 **Department :** Wet-Chemistry **Date :** 05-28-2025 08:19:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2146-03	TP04-MHN-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/28/2025	Chemtech -SO
Q2147-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/27/2025	Chemtech -SO
Q2147-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/27/2025	Chemtech -SO
Q2147-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/27/2025	Chemtech -SO
Q2147-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/27/2025	Chemtech -SO
Q2147-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/27/2025	Chemtech -SO
Q2147-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/27/2025	Chemtech -SO
Q2147-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/27/2025	Chemtech -SO
Q2149-01	FILTER-CAKE	Solid	Percent Solids	Cool 4 deg C	ARAM01	L31	05/28/2025	Chemtech -SO

Date/Time 05/28/25 15:30

Raw Sample Received by: JA Cell

Raw Sample Relinquished by: CBSA

Date/Time 05/28/25 17:15

Raw Sample Received by: CBSA

Raw Sample Relinquished by:

SHIPPING DOCUMENTS

98 Morse AVE Q2147

CHEMTECH
CHAIN OF CUSTODY RECORD

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

Chemtech Project Number: NUTLEY
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:
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				5/27	2PM	1	X									
2.	VOC					2PM	1		X								
3.	1					3PM	1			X							
4.	2					8PM	1			X							
5.	3					8	1			X							
6.	4					9AM	1			X							
7.	5					9	1			X							
8.																	
9.																	
10.																	

PRESERVATIVES: <—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.		1. 1247 5-28-27
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME 1337 5-28-27	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.5 C
Comments: _____

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

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2147 SCIA01
Client Name : Sciacca General Contractors
Client Contact : Rosanne Scirica
Invoice Name : Sciacca General Contractors
Invoice Contact : Rosanne Scirica

Order Date : 5/28/2025 1:30:00 PM
Project Name : 98 Morse Ave Nutley
Receive DateTime : 5/28/2025 1:37:00 PM
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
Q2147-02	VOC	Solid	05/27/2025	08:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 5-28-25 1435

Received By : JC
Date / Time : 5/28/25 1435

Storage Area : VOA Refridgerator Room