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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:	Q1698	**OrderDate:**	4/2/2025 12:14:00 PM
Client:	Tully Construction Co., Inc.	**Project:**	MTA Rockaway Park
Contact:	Dean Devoe	**Location:**	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1698-03	**B-9**	**SOIL**			**04/02/25**			**04/02/25**
			VOC-TCLVOA-10	8260D			04/03/25	
Q1698-09	**B-10**	**SOIL**			**04/02/25**			**04/02/25**
			VOC-TCLVOA-10	8260D			04/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1698

Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**B-9**							
Q1698-03	B-9	SOIL	Acetone	0.0085	J	0.0041	0.022	mg/Kg
			Total Voc :	0.0085				
Q1698-03	B-9	SOIL	1H-Indene, 2,3-dihydro-4-meth *	4.60	J	0	0	ug/Kg
Q1698-03	B-9	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	9.90	J	0	0	ug/Kg
			Total Tics :	14.5				
			Total Concentration:	14.5				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1698

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1698-03	B-9	1,2-Dichloroethane-d4	50	56.0	112	63	155
		Dibromofluoromethane	50	46.2	92	70	134
		Toluene-d8	50	50.0	100	74	123
		4-Bromofluorobenzene	50	47.7	95	38	136
Q1698-09	B-10	1,2-Dichloroethane-d4	50	51.7	103	63	155
		Dibromofluoromethane	50	50.6	101	70	134
		Toluene-d8	50	50.4	101	74	123
		4-Bromofluorobenzene	50	46.3	93	38	136
VY0403SBL01	VY0403SBL01	1,2-Dichloroethane-d4	50	48.9	98	63	155
		Dibromofluoromethane	50	49.5	99	70	134
		Toluene-d8	50	49.9	100	74	123
		4-Bromofluorobenzene	50	43.3	87	38	136
VY0403SBS01	VY0403SBS01	1,2-Dichloroethane-d4	50	51.9	104	63	155
		Dibromofluoromethane	50	51.8	104	70	134
		Toluene-d8	50	53.0	106	74	123
		4-Bromofluorobenzene	50	52.5	105	38	136
VY0403SBSD01	VY0403SBSD01	1,2-Dichloroethane-d4	50	53.8	108	63	155
		Dibromofluoromethane	50	53.4	107	70	134
		Toluene-d8	50	53.4	107	74	123
		4-Bromofluorobenzene	50	53.8	108	38	136

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1698

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY021766.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0403SBS01	Dichlorodifluoromethane	20	18.3	ug/Kg	92			64	136	
	Chloromethane	20	19.4	ug/Kg	97			70	130	
	Vinyl chloride	20	18.7	ug/Kg	94			72	129	
	Bromomethane	20	20.5	ug/Kg	103			58	141	
	Chloroethane	20	19.3	ug/Kg	97			69	130	
	Trichlorofluoromethane	20	19.7	ug/Kg	99			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/Kg	101			81	123	
	1,1-Dichloroethene	20	18.8	ug/Kg	94			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	18.5	ug/Kg	93			45	154	
	Methyl tert-butyl Ether	20	18.2	ug/Kg	91			77	129	
	Methyl Acetate	20	20.0	ug/Kg	100			69	149	
	Methylene Chloride	20	19.8	ug/Kg	99			56	174	
	trans-1,2-Dichloroethene	20	19.2	ug/Kg	96			80	123	
	1,1-Dichloroethane	20	19.7	ug/Kg	99			82	123	
	Cyclohexane	20	18.3	ug/Kg	92			76	122	
	2-Butanone	100	97.4	ug/Kg	97			69	131	
	Carbon Tetrachloride	20	19.4	ug/Kg	97			76	129	
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98			82	123	
	Bromochloromethane	20	20.3	ug/Kg	102			80	127	
	Chloroform	20	20.1	ug/Kg	101			82	125	
	1,1,1-Trichloroethane	20	19.3	ug/Kg	97			80	126	
	Methylcyclohexane	20	18.4	ug/Kg	92			77	123	
	Benzene	20	19.9	ug/Kg	100			84	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			81	126	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.3	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	93.7	ug/Kg	94			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98			78	124	
	cis-1,3-Dichloropropene	20	19.6	ug/Kg	98			81	122	
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104			82	125	
	2-Hexanone	100	96.4	ug/Kg	96			66	138	
	Dibromochloromethane	20	20.6	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	19.7	ug/Kg	99			80	125	
	Tetrachloroethene	20	21.2	ug/Kg	106			83	125	
	Chlorobenzene	20	19.5	ug/Kg	98			84	122	
	Ethyl Benzene	20	18.9	ug/Kg	95			82	124	
	m/p-Xylenes	40	39.0	ug/Kg	98			83	124	
	o-Xylene	20	19.5	ug/Kg	98			83	123	
	Styrene	20	19.3	ug/Kg	97			82	124	
	Bromoform	20	19.9	ug/Kg	100			75	127	
	Isopropylbenzene	20	18.3	ug/Kg	92			82	124	
	1,1,2,2-Tetrachloroethane	20	17.8	ug/Kg	89			77	127	
	1,3-Dichlorobenzene	20	18.9	ug/Kg	95			83	122	
	1,4-Dichlorobenzene	20	19.3	ug/Kg	97			84	121	
	1,2-Dichlorobenzene	20	19.2	ug/Kg	96			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1698

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY021766.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0403SBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91			66	134	
	1,2,4-Trichlorobenzene	20	17.6	ug/Kg	88			78	127	
	1,2,3-Trichlorobenzene	20	17.3	ug/Kg	86			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1698

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY021767.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0403SBSD01	Dichlorodifluoromethane	20	19.1	ug/Kg	96	4		64	136	20
	Chloromethane	20	20.0	ug/Kg	100	3		70	130	20
	Vinyl chloride	20	19.3	ug/Kg	97	3		72	129	20
	Bromomethane	20	19.5	ug/Kg	98	5		58	141	20
	Chloroethane	20	19.4	ug/Kg	97	0		69	130	20
	Trichlorofluoromethane	20	19.5	ug/Kg	98	1		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99	2		81	123	20
	1,1-Dichloroethene	20	19.3	ug/Kg	97	3		79	121	20
	Acetone	100	97.7	ug/Kg	98	2		60	131	20
	Carbon disulfide	20	19.0	ug/Kg	95	2		45	154	20
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97	6		77	129	20
	Methyl Acetate	20	19.9	ug/Kg	100	0		69	149	20
	Methylene Chloride	20	20.8	ug/Kg	104	5		56	174	20
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99	3		80	123	20
	1,1-Dichloroethane	20	20.4	ug/Kg	102	3		82	123	20
	Cyclohexane	20	19.1	ug/Kg	96	4		76	122	20
	2-Butanone	100	97.5	ug/Kg	98	1		69	131	20
	Carbon Tetrachloride	20	19.8	ug/Kg	99	2		76	129	20
	cis-1,2-Dichloroethene	20	20.1	ug/Kg	101	3		82	123	20
	Bromochloromethane	20	20.5	ug/Kg	103	1		80	127	20
	Chloroform	20	20.7	ug/Kg	104	3		82	125	20
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102	5		80	126	20
	Methylcyclohexane	20	18.6	ug/Kg	93	1		77	123	20
	Benzene	20	20.3	ug/Kg	102	2		84	121	20
	1,2-Dichloroethane	20	19.6	ug/Kg	98	2		81	126	20
	Trichloroethene	20	20.4	ug/Kg	102	0		83	122	20
	1,2-Dichloropropane	20	19.9	ug/Kg	100	3		83	122	20
	Bromodichloromethane	20	20.0	ug/Kg	100	2		82	123	20
	4-Methyl-2-Pentanone	100	94.9	ug/Kg	95	1		70	135	20
	Toluene	20	20.3	ug/Kg	102	1		83	122	20
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98	0		78	124	20
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99	1		81	122	20
	1,1,2-Trichloroethane	20	19.8	ug/Kg	99	5		82	125	20
	2-Hexanone	100	93.9	ug/Kg	94	2		66	138	20
	Dibromochloromethane	20	20.3	ug/Kg	102	1		79	125	20
	1,2-Dibromoethane	20	19.7	ug/Kg	99	0		80	125	20
	Tetrachloroethene	20	21.0	ug/Kg	105	1		83	125	20
	Chlorobenzene	20	20.2	ug/Kg	101	3		84	122	20
	Ethyl Benzene	20	19.6	ug/Kg	98	3		82	124	20
	m/p-Xylenes	40	40.2	ug/Kg	101	3		83	124	20
	o-Xylene	20	19.9	ug/Kg	100	2		83	123	20
	Styrene	20	20.1	ug/Kg	101	4		82	124	20
	Bromoform	20	20.0	ug/Kg	100	0		75	127	20
	Isopropylbenzene	20	18.7	ug/Kg	94	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	17.8	ug/Kg	89	0		77	127	20
	1,3-Dichlorobenzene	20	19.8	ug/Kg	99	4		83	122	20
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98	1		84	121	20
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99	3		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1698

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY021767.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0403SBSD01	1,2-Dibromo-3-Chloropropane	20	18.3	ug/Kg	92	1		66	134	20
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100	13		78	127	20
	1,2,3-Trichlorobenzene	20	19.1	ug/Kg	96	11		70	137	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0403SBL01

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1698 SAS No.: Q1698 SDG NO.: Q1698

Lab File ID: VY021765.D Lab Sample ID: VY0403SBL01

Date Analyzed: 04/03/2025 Time Analyzed: 11:34

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
VY0403SBS01	VY0403SBS01	VY021766.D	04/03/2025
VY0403SBSD01	VY0403SBSD01	VY021767.D	04/03/2025
B-9	Q1698-03	VY021769.D	04/03/2025
B-10	Q1698-09	VY021770.D	04/03/2025

COMMENTS:

Raw Data: **VY021655.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1698 SAS No.: Q1698 SDG NO.: Q1698

Lab File ID: VY021655.D BFB Injection Date: 03/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:23

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	20.4
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.7 (2) 1
174	50.0 - 100.0% of mass 95	86.7
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.9 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021656.D	03/27/2025	10:08
VSTDICC010	VSTDICC010	VY021657.D	03/27/2025	10:31
VSTDICC020	VSTDICC020	VY021658.D	03/27/2025	10:54
VSTDICCC050	VSTDICCC050	VY021659.D	03/27/2025	11:16
VSTDICC100	VSTDICC100	VY021660.D	03/27/2025	11:39
VSTDICC150	VSTDICC150	VY021661.D	03/27/2025	12:02

Raw Data: **VY021763.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1698 SAS No.: Q1698 SDG NO.: Q1698

Lab File ID: VY021763.D BFB Injection Date: 04/03/2025

Instrument ID: MSVOA_Y BFB Injection Time: 10:29

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	20.4
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.5 (1.8) 1
174	50.0 - 100.0% of mass 95	83
175	5.0 - 9.0% of mass 174	6.7 (8.1) 1
176	95.0 - 101.0% of mass 174	79.4 (95.7) 1
177	5.0 - 9.0% of mass 176	5.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021764.D	04/03/2025	11:01
VY0403SBL01	VY0403SBL01	VY021765.D	04/03/2025	11:34
VY0403SBS01	VY0403SBS01	VY021766.D	04/03/2025	12:05
VY0403SBSD01	VY0403SBSD01	VY021767.D	04/03/2025	12:27
B-9	Q1698-03	VY021769.D	04/03/2025	13:33
B-10	Q1698-09	VY021770.D	04/03/2025	13:56

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1698 SAS No.: Q1698 SDG NO.: Q1698

Lab File ID: VY021764.D Date Analyzed: 04/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:01

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	208234	7.71	319384	8.62	290244	11.42
UPPER LIMIT	416468	8.207	638768	9.116	580488	11.92
LOWER LIMIT	104117	7.207	159692	8.116	145122	10.92
EPA SAMPLE NO.						
B-9	254509	7.71	494707	8.62	458971	11.41
B-10	264094	7.71	502539	8.62	458507	11.41
VY0403SBL01	249432	7.71	475813	8.62	424056	11.41
VY0403SBS01	203899	7.71	319045	8.62	287712	11.42
VY0403SBSD01	206953	7.71	330176	8.62	290460	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1698 SAS No.: Q1698 SDG NO.: Q1698

Lab File ID: VY021764.D Date Analyzed: 04/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:01

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

	IS4 AREA #	RT #				
12 HOUR STD	149312	13.347				
UPPER LIMIT	298624	13.847				
LOWER LIMIT	74656	12.847				
EPA SAMPLE NO.						
B-9	190883	13.35				
B-10	179643	13.35				
VY0403SBL01	162342	13.35				
VY0403SBS01	148166	13.35				
VY0403SBSD01	151135	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: **VY021769.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-9	SDG No.:	Q1698
Lab Sample ID:	Q1698-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.6
Sample Wt/Vol:	6.27 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
VY021769.D	1		04/03/25 13:33	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.00098	U	0.00098	0.0043	mg/Kg
74-87-3	Chloromethane	0.00098	U	0.00098	0.0043	mg/Kg
75-01-4	Vinyl Chloride	0.00068	U	0.00068	0.0043	mg/Kg
74-83-9	Bromomethane	0.00092	U	0.00092	0.0043	mg/Kg
75-00-3	Chloroethane	0.0011	U	0.0011	0.0043	mg/Kg
75-69-4	Trichlorofluoromethane	0.0010	U	0.0010	0.0043	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00091	U	0.00091	0.0043	mg/Kg
75-35-4	1,1-Dichloroethene	0.00086	U	0.00086	0.0043	mg/Kg
67-64-1	Acetone	0.0085	J	0.0041	0.022	mg/Kg
75-15-0	Carbon Disulfide	0.00091	U	0.00091	0.0043	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00063	U	0.00063	0.0043	mg/Kg
79-20-9	Methyl Acetate	0.0013	U	0.0013	0.0043	mg/Kg
75-09-2	Methylene Chloride	0.0030	U	0.0030	0.0086	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00074	U	0.00074	0.0043	mg/Kg
75-34-3	1,1-Dichloroethane	0.00069	U	0.00069	0.0043	mg/Kg
110-82-7	Cyclohexane	0.00068	U	0.00068	0.0043	mg/Kg
78-93-3	2-Butanone	0.0056	U	0.0056	0.022	mg/Kg
56-23-5	Carbon Tetrachloride	0.00084	U	0.00084	0.0043	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00065	U	0.00065	0.0043	mg/Kg
74-97-5	Bromochloromethane	0.00099	U	0.00099	0.0043	mg/Kg
67-66-3	Chloroform	0.00072	U	0.00072	0.0043	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00080	U	0.00080	0.0043	mg/Kg
108-87-2	Methylcyclohexane	0.00078	U	0.00078	0.0043	mg/Kg
71-43-2	Benzene	0.00068	U	0.00068	0.0043	mg/Kg
107-06-2	1,2-Dichloroethane	0.00068	U	0.00068	0.0043	mg/Kg
79-01-6	Trichloroethene	0.00070	U	0.00070	0.0043	mg/Kg
78-87-5	1,2-Dichloropropane	0.00078	U	0.00078	0.0043	mg/Kg
75-27-4	Bromodichloromethane	0.00067	U	0.00067	0.0043	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0031	U	0.0031	0.022	mg/Kg
108-88-3	Toluene	0.00067	U	0.00067	0.0043	mg/Kg

Raw Data: **VY021769.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-9	SDG No.:	Q1698
Lab Sample ID:	Q1698-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.6
Sample Wt/Vol:	6.27 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
VY021769.D	1		04/03/25 13:33	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00056	U	0.00056	0.0043	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00053	U	0.00053	0.0043	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00079	U	0.00079	0.0043	mg/Kg
591-78-6	2-Hexanone	0.0032	U	0.0032	0.022	mg/Kg
124-48-1	Dibromochloromethane	0.00075	U	0.00075	0.0043	mg/Kg
106-93-4	1,2-Dibromoethane	0.00076	U	0.00076	0.0043	mg/Kg
127-18-4	Tetrachloroethene	0.00090	U	0.00090	0.0043	mg/Kg
108-90-7	Chlorobenzene	0.00078	U	0.00078	0.0043	mg/Kg
100-41-4	Ethyl Benzene	0.00058	U	0.00058	0.0043	mg/Kg
179601-23-1	m/p-Xylenes	0.0011	U	0.0011	0.0086	mg/Kg
95-47-6	o-Xylene	0.00071	U	0.00071	0.0043	mg/Kg
100-42-5	Styrene	0.00061	U	0.00061	0.0043	mg/Kg
75-25-2	Bromoform	0.00074	U	0.00074	0.0043	mg/Kg
98-82-8	Isopropylbenzene	0.00067	U	0.00067	0.0043	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.0043	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0015	U	0.0015	0.0043	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0013	U	0.0013	0.0043	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0012	U	0.0012	0.0043	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.0043	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0026	U	0.0026	0.0043	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0027	U	0.0027	0.0043	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.0		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	46.2		70 - 134	92%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		38 - 136	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	255000	7.707			
540-36-3	1,4-Difluorobenzene	495000	8.616			
3114-55-4	Chlorobenzene-d5	459000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	191000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-9	SDG No.:	Q1698
Lab Sample ID:	Q1698-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.6
Sample Wt/Vol:	6.27 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
VY021769.D	1		04/03/25 13:33	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	9.90	J		13.9	ug/Kg
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	4.60	J		14.6	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\VY040325\
Data File : VY021769.D
Acq On : 03 Apr 2025 13:33
Operator : SY/MD
Sample : Q1698-03
Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-9

Quant Time: Apr 04 01:31:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

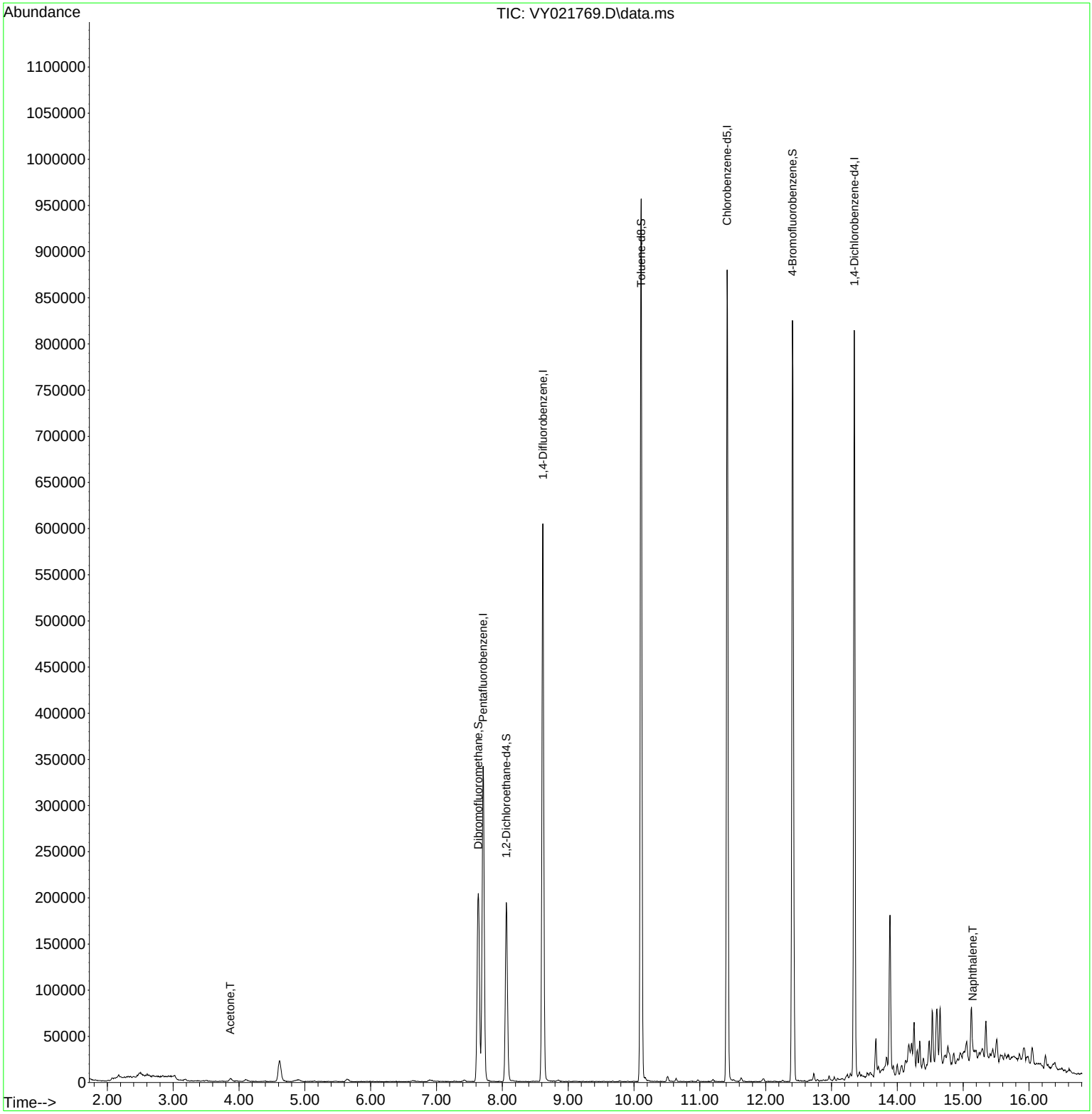
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	254509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	494707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	190883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154290	55.952	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.900%			
35) Dibromofluoromethane	7.634	113	148285	46.208	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.420%			
50) Toluene-d8	10.109	98	610646	50.019	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.408	95	196948	47.694	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.380%			
Target Compounds						Qvalue
16) Acetone	3.867	43	5562	9.855	ug/l	96
95) Naphthalene	15.145	128	8053	1.535	ug/l #	91

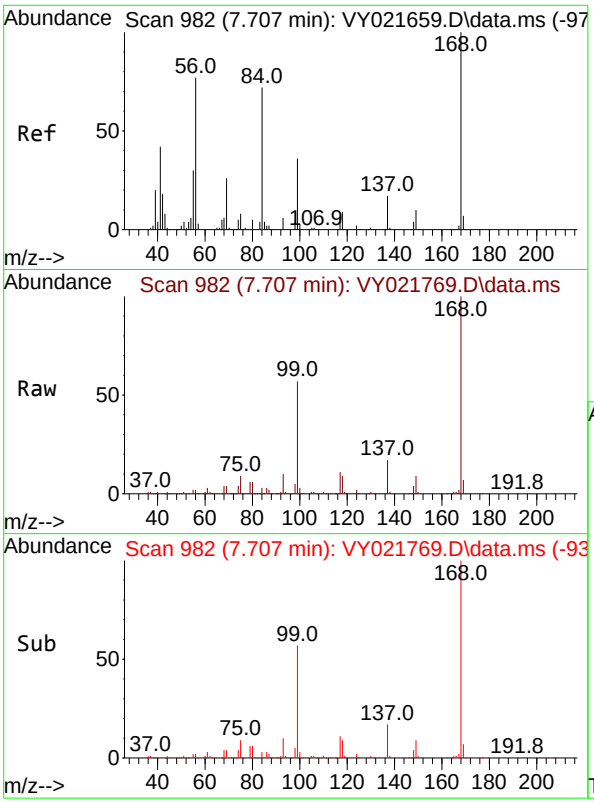
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021769.D
Acq On : 03 Apr 2025 13:33
Operator : SY/MD
Sample : Q1698-03
Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-9

Quant Time: Apr 04 01:31:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



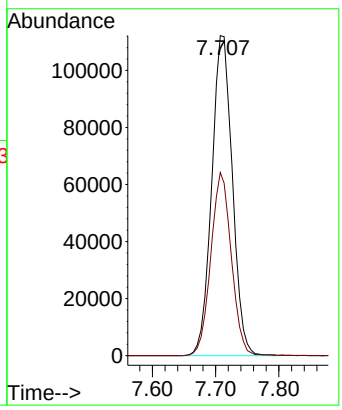


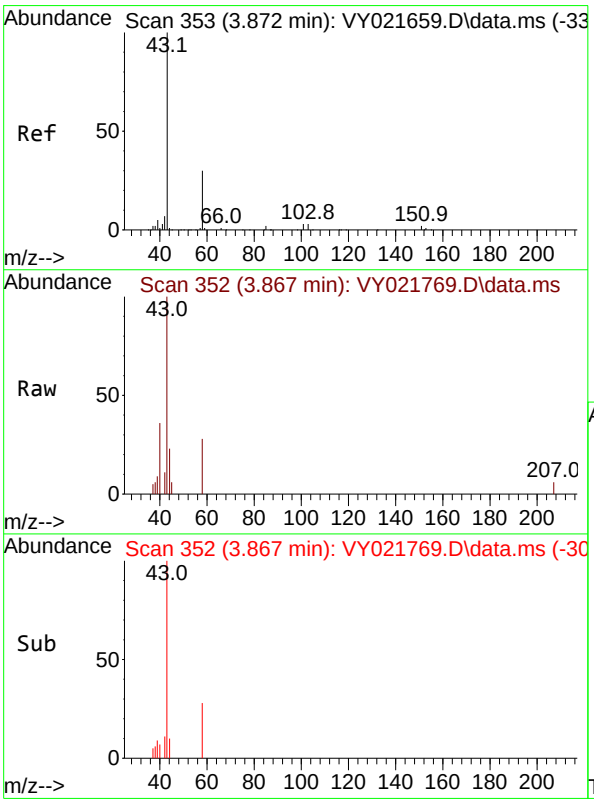
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Instrument :
MSVOA_Y
ClientSampleId :
B-9

Tgt Ion:168 Resp: 254509

Ion	Ratio	Lower	Upper
168	100		
99	57.2	46.7	70.1

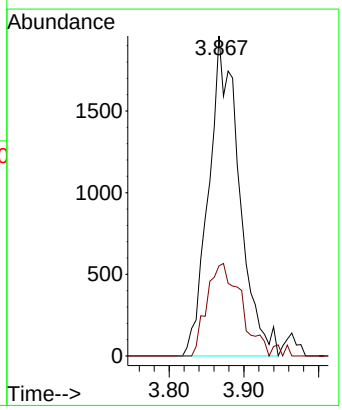


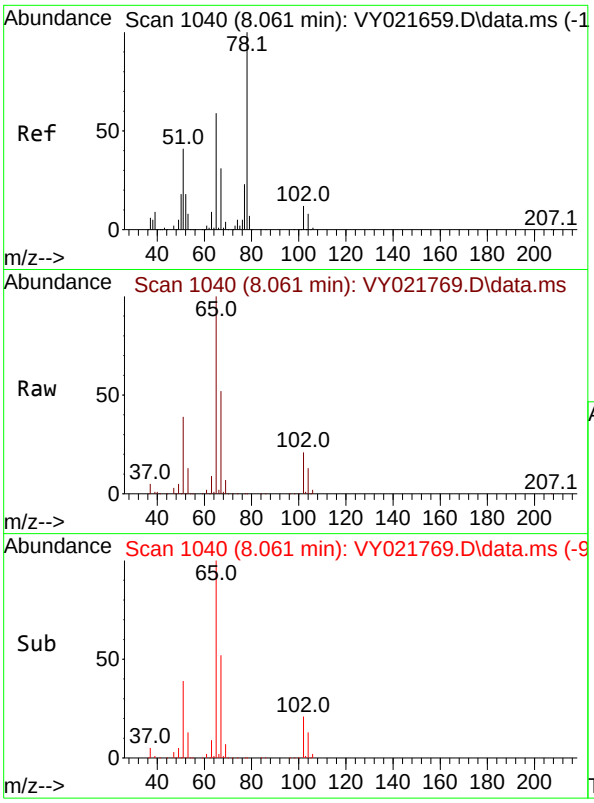


#16
Acetone
Concen: 9.855 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Tgt Ion: 43 Resp: 5562

Ion	Ratio	Lower	Upper
43	100		
58	28.2	24.2	36.4



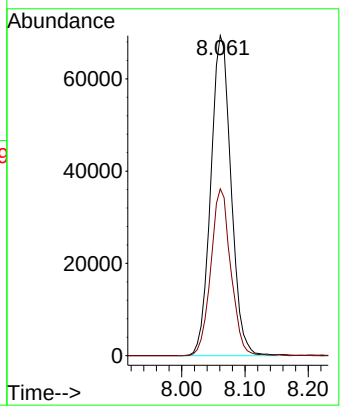


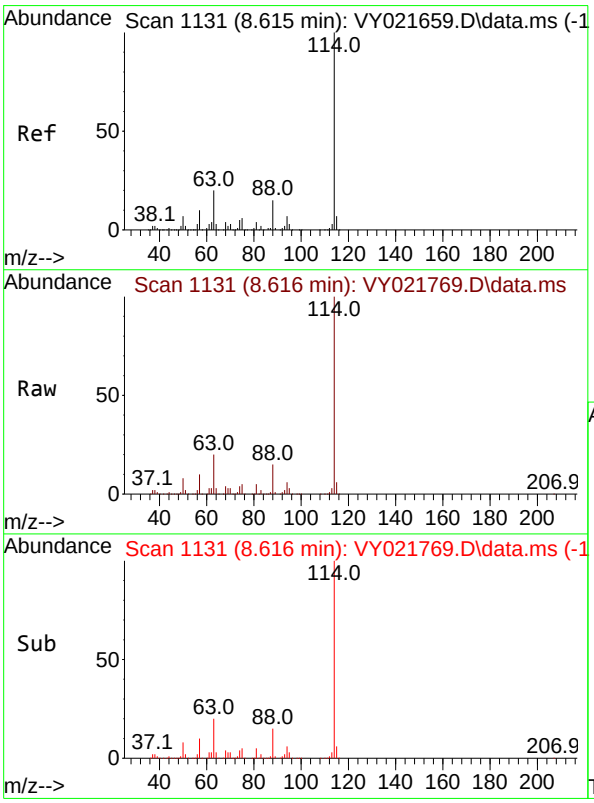
#33
1,2-Dichloroethane-d4
Concen: 55.952 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Instrument :
MSVOA_Y
ClientSampleId :
B-9

Tgt Ion: 65 Resp: 154290

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.6

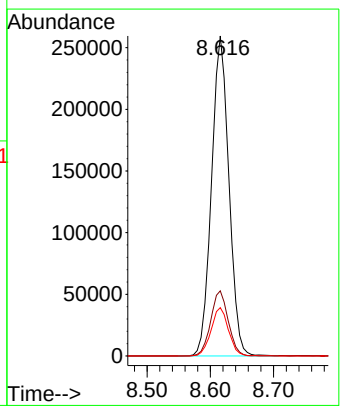


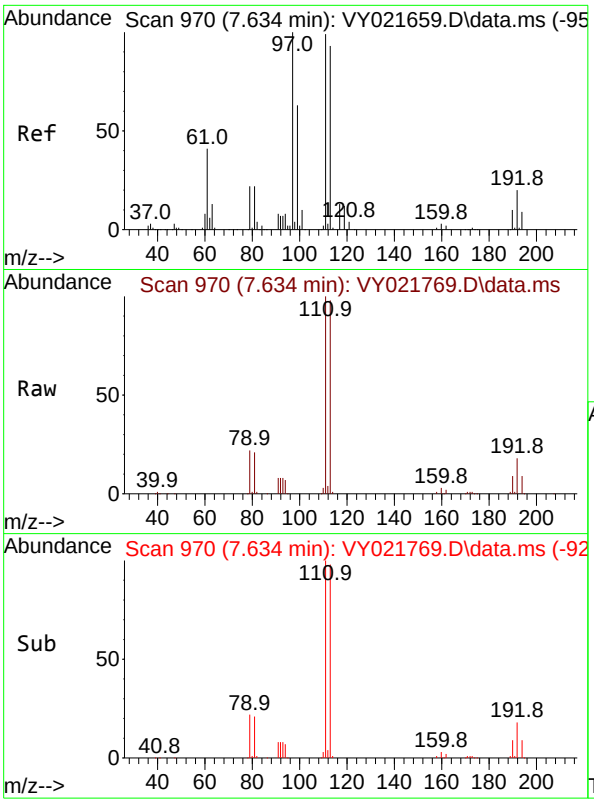


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Tgt Ion:114 Resp: 494707

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	15.1	0.0	29.8



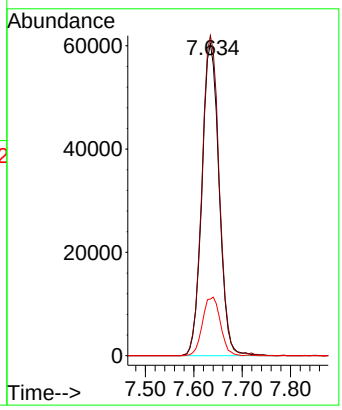


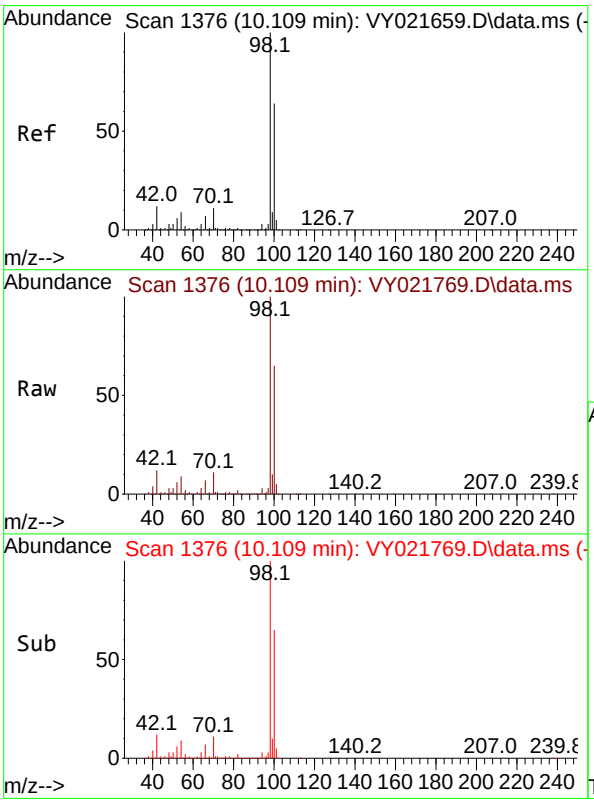
#35
Dibromofluoromethane
Concen: 46.208 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Instrument :
MSVOA_Y
ClientSampleId :
B-9

Tgt Ion:113 Resp: 148285

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	19.6	16.2	24.4

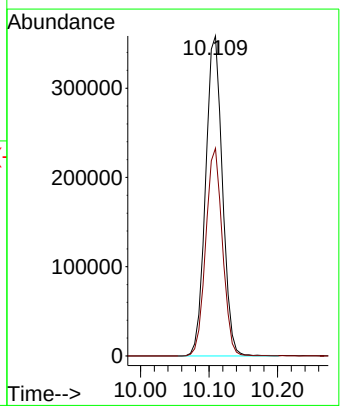


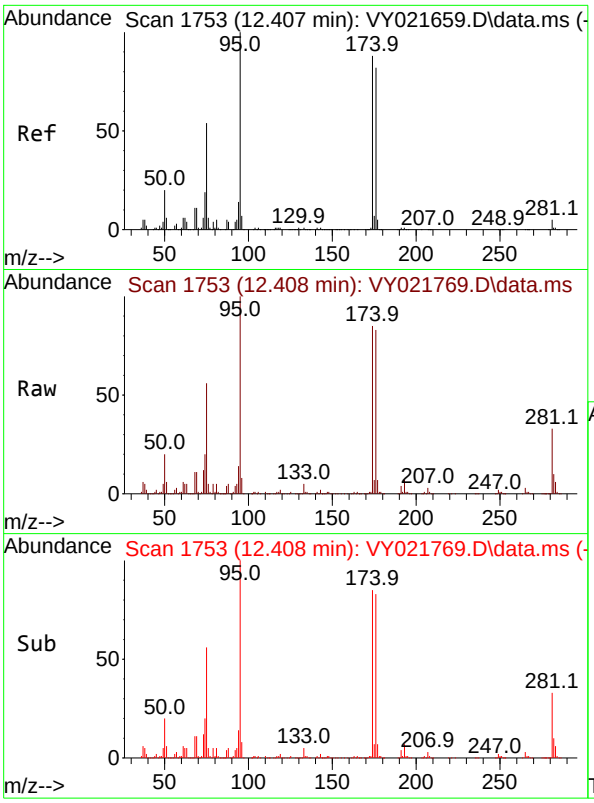


#50
Toluene-d8
Concen: 50.019 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Tgt Ion: 98 Resp: 610646

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1



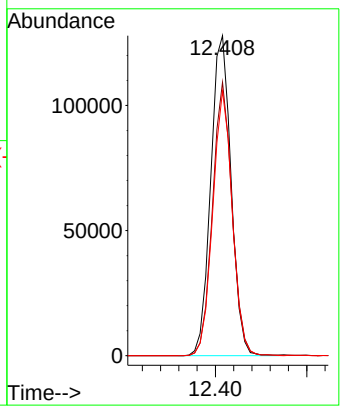


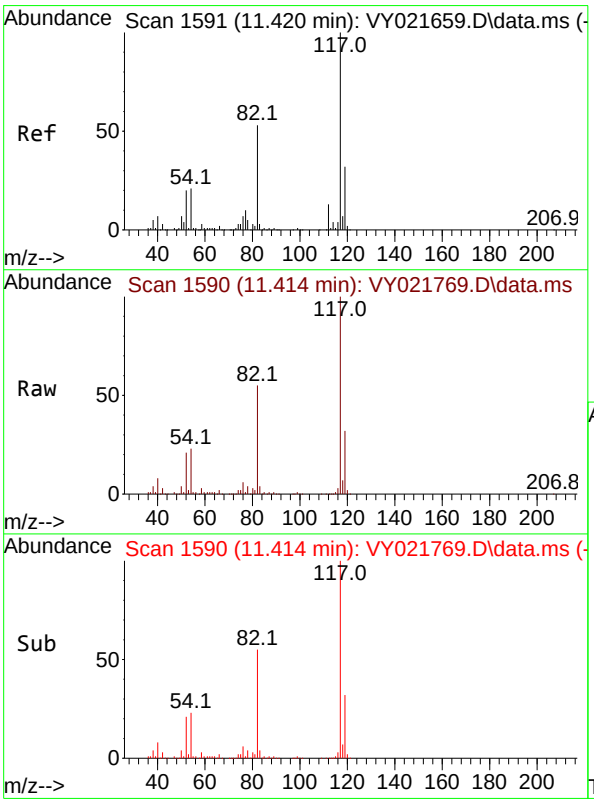
#62
4-Bromofluorobenzene
Concen: 47.694 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Instrument :
MSVOA_Y
ClientSampleId :
B-9

Tgt Ion: 95 Resp: 196948

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	170.8
176	79.8	0.0	162.0

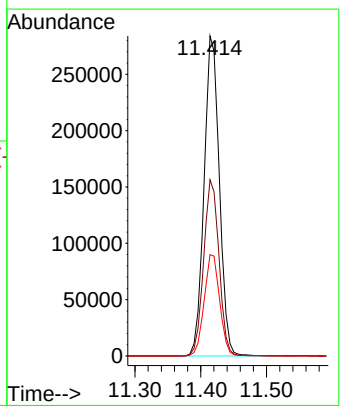


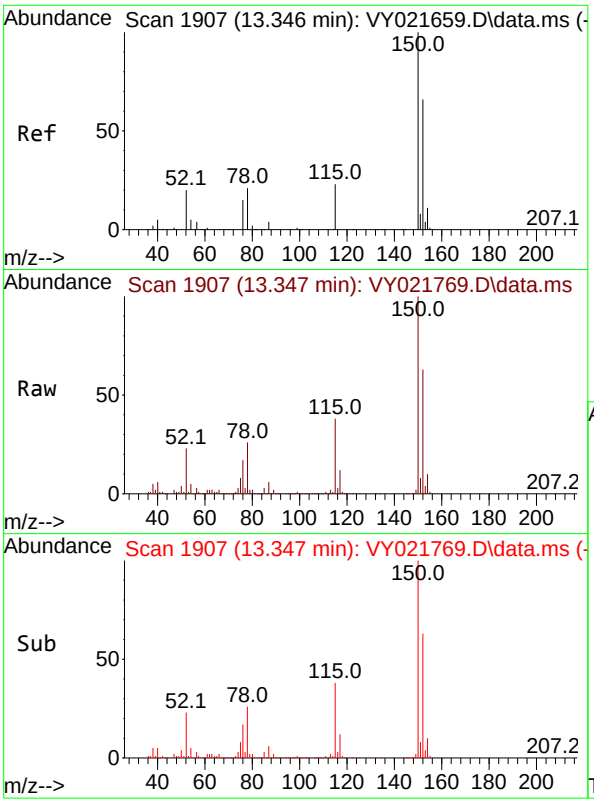


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Tgt Ion:117 Resp: 458971

Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.8	64.2
119	31.6	25.7	38.5



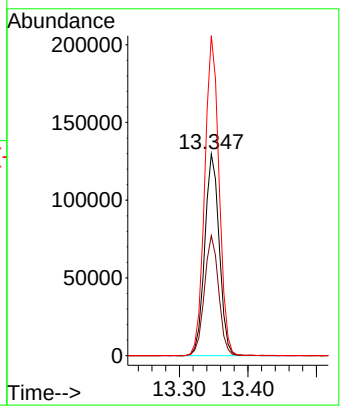


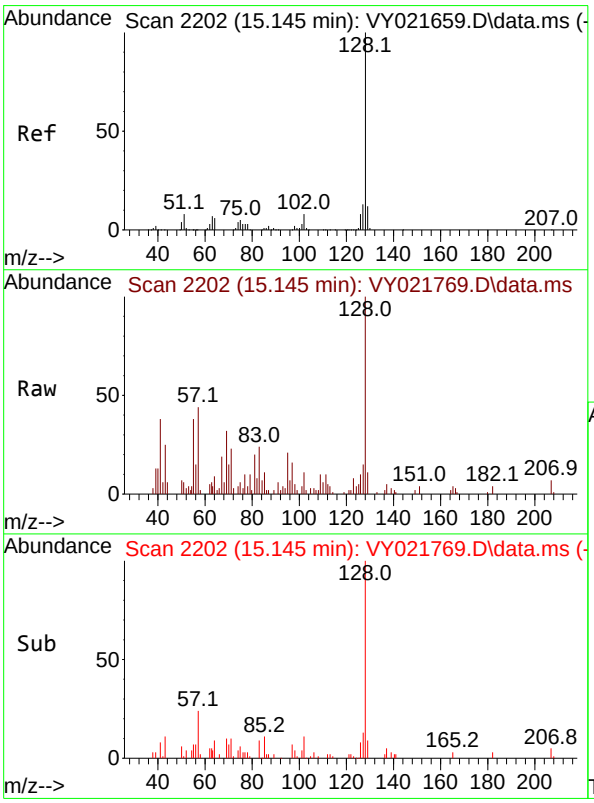
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Instrument :
MSVOA_Y
ClientSampleId :
B-9

Tgt Ion:152 Resp: 190883

Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.8	86.5
150	156.8	0.0	348.4

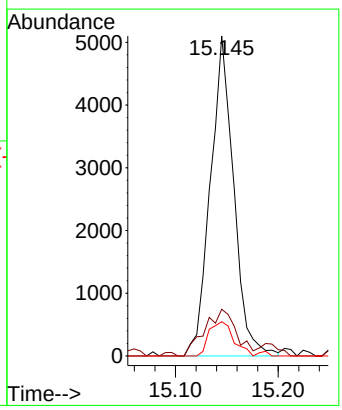




#95
Naphthalene
Concen: 1.535 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Tgt Ion:128 Resp: 8053

Ion	Ratio	Lower	Upper
128	100		
127	19.6	10.8	16.2#
129	11.8	8.8	13.2



Sample Results: **VY021769.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021769.D
Acq On : 03 Apr 2025 13:33
Operator : SY/MD
Sample : Q1698-03
Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-9

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021769.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	462	475	486	rBV3	22441	71557	4.35%	0.704%
2	7.634	960	970	976	rBV2	203979	507285	30.86%	4.990%
3	7.707	976	982	993	rVB	340602	768903	46.77%	7.563%
4	8.061	1031	1040	1051	rBV	193738	428821	26.08%	4.218%
5	8.616	1122	1131	1146	rBV	604078	1171231	71.24%	11.520%
6	10.109	1367	1376	1385	rBV	956338	1644092	100.00%	16.171%
7	11.414	1582	1590	1601	rBV	879442	1437248	87.42%	14.137%
8	12.408	1745	1753	1764	rBV2	824499	1500391	91.26%	14.758%
9	13.347	1900	1907	1915	rVB	808311	1187875	72.25%	11.684%
10	13.676	1955	1961	1965	rBV2	41697	70605	4.29%	0.694%
11	13.834	1979	1987	1990	rBV3	14276	28309	1.72%	0.278%
12	13.889	1990	1996	2002	rVV2	167844	271814	16.53%	2.674%
13	13.999	2009	2014	2019	rBV6	11509	17753	1.08%	0.175%
14	14.066	2019	2025	2029	rBV8	9741	21513	1.31%	0.212%
15	14.127	2030	2035	2037	rBV5	12485	22474	1.37%	0.221%
16	14.176	2038	2043	2046	rVV4	25733	54102	3.29%	0.532%
17	14.218	2047	2050	2052	rVV	26595	39507	2.40%	0.389%
18	14.255	2052	2056	2060	rVV	49187	74930	4.56%	0.737%
19	14.304	2060	2064	2067	rVV4	18689	26523	1.61%	0.261%
20	14.340	2067	2070	2075	rVB3	29198	38749	2.36%	0.381%
21	14.395	2075	2079	2084	rVB7	11793	19307	1.17%	0.190%
22	14.487	2088	2094	2097	rVV	27311	46063	2.80%	0.453%
23	14.529	2097	2101	2107	rVV2	59779	90677	5.52%	0.892%
24	14.602	2107	2113	2117	rVV3	61001	126315	7.68%	1.242%
25	14.651	2117	2121	2127	rVV3	61761	102971	6.26%	1.013%
26	14.730	2129	2134	2136	rVV5	10611	22768	1.38%	0.224%
27	14.767	2137	2140	2148	rVB7	19794	45222	2.75%	0.445%
28	14.859	2150	2155	2159	rVV8	11745	19642	1.19%	0.193%
29	14.956	2167	2171	2176	rBV7	8162	16598	1.01%	0.163%
30	15.127	2194	2199	2205	rBV3	56385	99420	6.05%	0.978%
31	15.346	2231	2235	2242	rVB2	39950	60714	3.69%	0.597%
32	15.511	2258	2262	2267	rVB5	24713	44749	2.72%	0.440%
33	15.925	2326	2330	2334	rVB6	13557	27590	1.68%	0.271%
34	16.047	2346	2350	2357	rVB4	18191	34971	2.13%	0.344%
35	16.249	2379	2383	2388	rBV4	14333	25930	1.58%	0.255%

Sample Results: **VY021769.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021769.D
Acq On : 03 Apr 2025 13:33
Operator : SY/MD
Sample : Q1698-03
Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-9

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\82Y032725S.M
Title : SW846 8260

Sum of corrected areas: 10166619

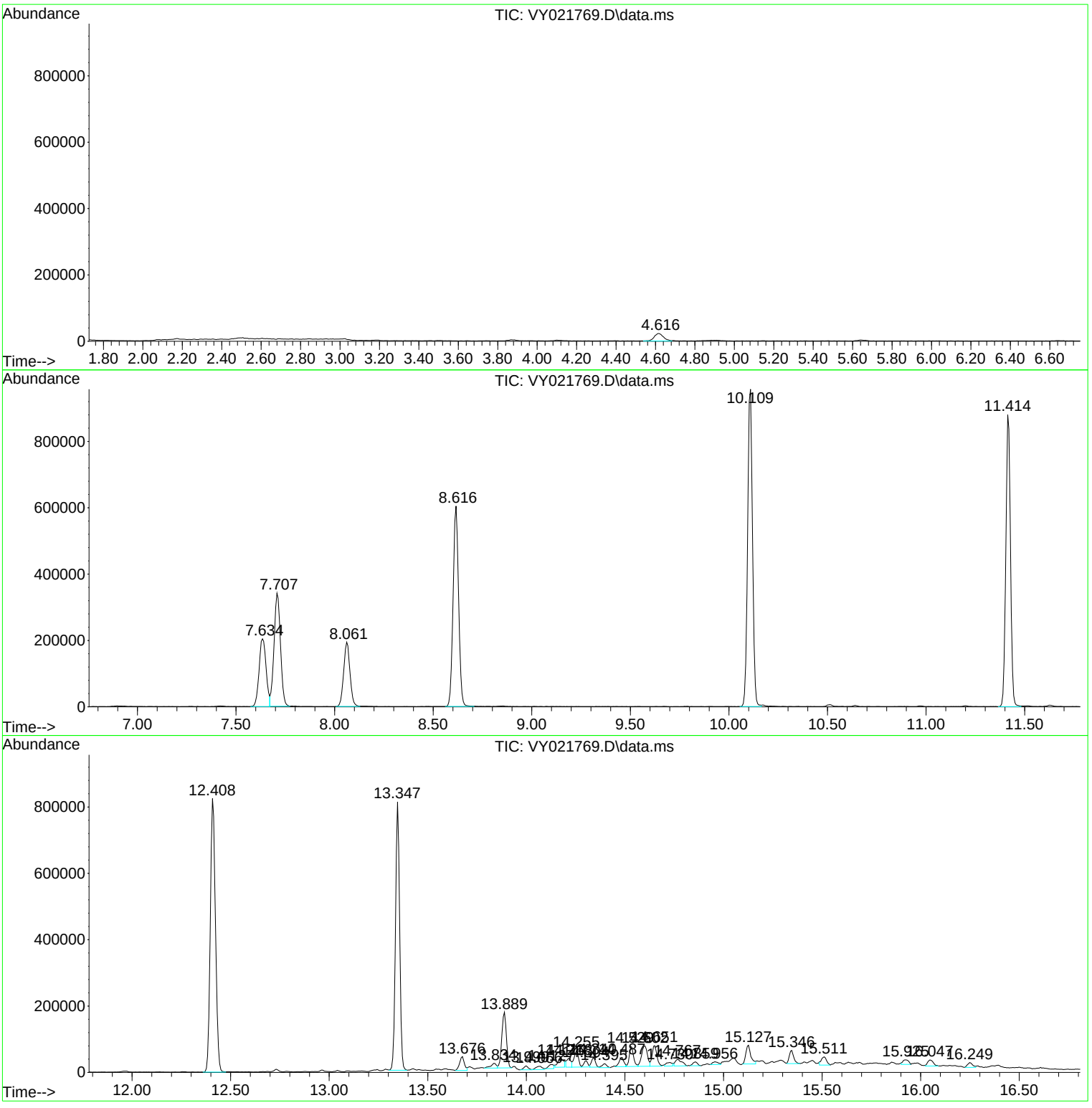
Sample Results: **VY021769.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021769.D
Acq On : 03 Apr 2025 13:33
Operator : SY/MD
Sample : Q1698-03
Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021769.D
Acq On : 03 Apr 2025 13:33
Operator : SY/MD
Sample : Q1698-03
Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-9

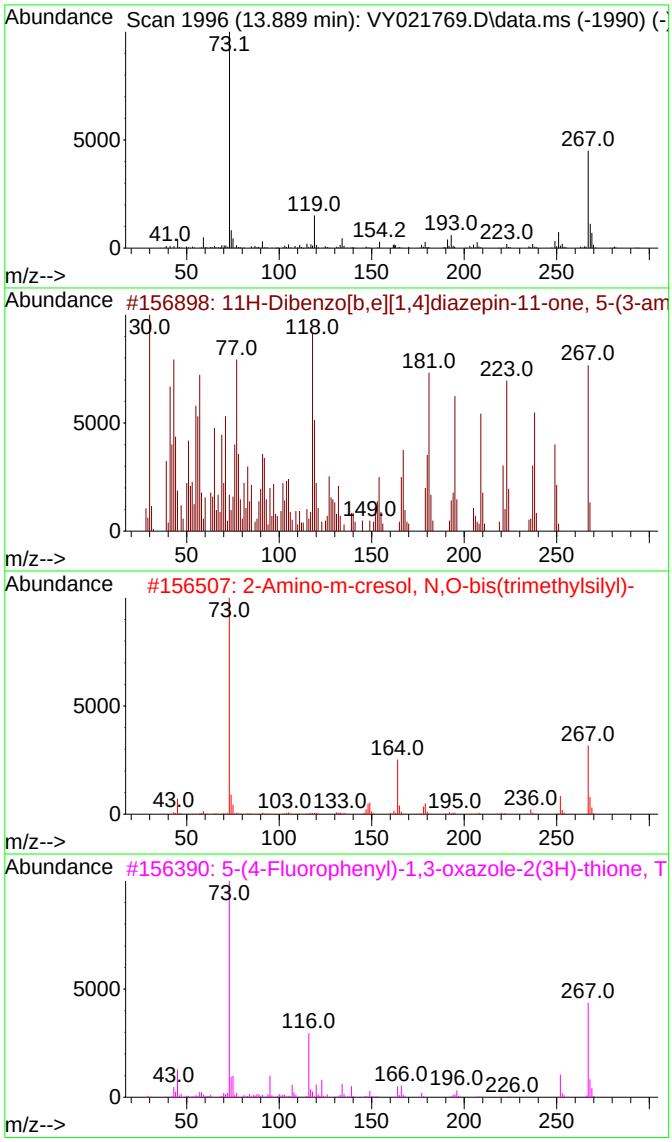
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

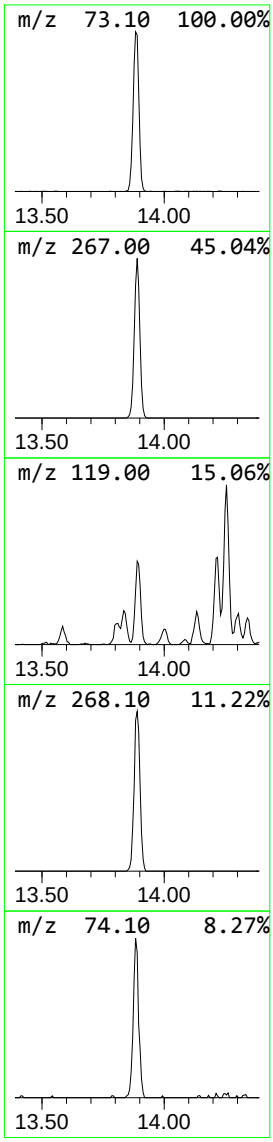
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	11.44 ug/l	271814	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	96
2	2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	59
3	5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSSi	1000497-07-6	59
4	9-Acridinol, trimethylsilyl ether	267	C16H17NOSi	1000463-65-5	58
5	Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021769.D
Acq On : 03 Apr 2025 13:33
Operator : SY/MD
Sample : Q1698-03
Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-9

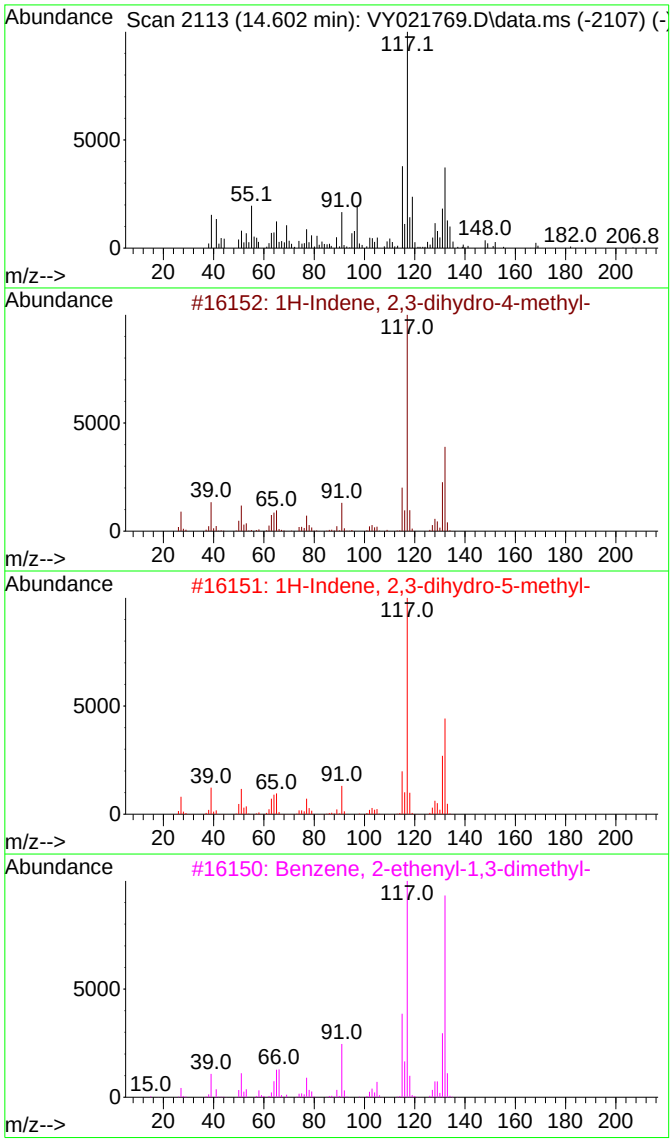
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

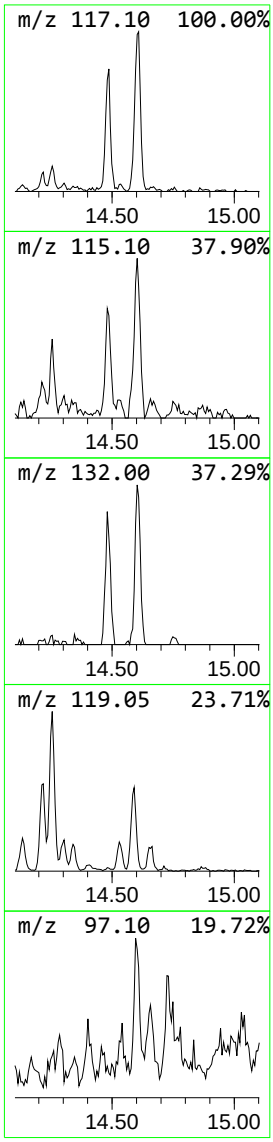
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	5.32 ug/l	126315	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	60
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021769.D
Acq On : 03 Apr 2025 13:33
Operator : SY/MD
Sample : Q1698-03
Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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
11H-Dibenzo[b,e...	13.889	11.4	ug/l	271814	4	13.347	1187880	50.0
1H-Indene, 2,3-...	14.602	5.3	ug/l	126315	4	13.347	1187880	50.0

Raw Data: **VY021770.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-10	SDG No.:	Q1698
Lab Sample ID:	Q1698-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.1
Sample Wt/Vol:	6.09 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
VY021770.D	1		04/03/25 13:56	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0010	U	0.0010	0.0044	mg/Kg
74-87-3	Chloromethane	0.0010	U	0.0010	0.0044	mg/Kg
75-01-4	Vinyl Chloride	0.00070	U	0.00070	0.0044	mg/Kg
74-83-9	Bromomethane	0.00094	U	0.00094	0.0044	mg/Kg
75-00-3	Chloroethane	0.0011	U	0.0011	0.0044	mg/Kg
75-69-4	Trichlorofluoromethane	0.0011	U	0.0011	0.0044	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00093	U	0.00093	0.0044	mg/Kg
75-35-4	1,1-Dichloroethene	0.00088	U	0.00088	0.0044	mg/Kg
67-64-1	Acetone	0.0042	U	0.0042	0.022	mg/Kg
75-15-0	Carbon Disulfide	0.00093	U	0.00093	0.0044	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00064	U	0.00064	0.0044	mg/Kg
79-20-9	Methyl Acetate	0.0014	U	0.0014	0.0044	mg/Kg
75-09-2	Methylene Chloride	0.0031	U	0.0031	0.0088	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00076	U	0.00076	0.0044	mg/Kg
75-34-3	1,1-Dichloroethane	0.00071	U	0.00071	0.0044	mg/Kg
110-82-7	Cyclohexane	0.00070	U	0.00070	0.0044	mg/Kg
78-93-3	2-Butanone	0.0058	U	0.0058	0.022	mg/Kg
56-23-5	Carbon Tetrachloride	0.00086	U	0.00086	0.0044	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00066	U	0.00066	0.0044	mg/Kg
74-97-5	Bromochloromethane	0.0010	U	0.0010	0.0044	mg/Kg
67-66-3	Chloroform	0.00074	U	0.00074	0.0044	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00082	U	0.00082	0.0044	mg/Kg
108-87-2	Methylcyclohexane	0.00080	U	0.00080	0.0044	mg/Kg
71-43-2	Benzene	0.00070	U	0.00070	0.0044	mg/Kg
107-06-2	1,2-Dichloroethane	0.00070	U	0.00070	0.0044	mg/Kg
79-01-6	Trichloroethene	0.00071	U	0.00071	0.0044	mg/Kg
78-87-5	1,2-Dichloropropane	0.00080	U	0.00080	0.0044	mg/Kg
75-27-4	Bromodichloromethane	0.00069	U	0.00069	0.0044	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0032	U	0.0032	0.022	mg/Kg
108-88-3	Toluene	0.00069	U	0.00069	0.0044	mg/Kg

Raw Data: **VY021770.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-10	SDG No.:	Q1698
Lab Sample ID:	Q1698-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.1
Sample Wt/Vol:	6.09 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
VY021770.D	1		04/03/25 13:56	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00057	U	0.00057	0.0044	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00055	U	0.00055	0.0044	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00081	U	0.00081	0.0044	mg/Kg
591-78-6	2-Hexanone	0.0033	U	0.0033	0.022	mg/Kg
124-48-1	Dibromochloromethane	0.00077	U	0.00077	0.0044	mg/Kg
106-93-4	1,2-Dibromoethane	0.00078	U	0.00078	0.0044	mg/Kg
127-18-4	Tetrachloroethene	0.00093	U	0.00093	0.0044	mg/Kg
108-90-7	Chlorobenzene	0.00080	U	0.00080	0.0044	mg/Kg
100-41-4	Ethyl Benzene	0.00059	U	0.00059	0.0044	mg/Kg
179601-23-1	m/p-Xylenes	0.0011	U	0.0011	0.0088	mg/Kg
95-47-6	o-Xylene	0.00072	U	0.00072	0.0044	mg/Kg
100-42-5	Styrene	0.00063	U	0.00063	0.0044	mg/Kg
75-25-2	Bromoform	0.00076	U	0.00076	0.0044	mg/Kg
98-82-8	Isopropylbenzene	0.00069	U	0.00069	0.0044	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0044	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0015	U	0.0015	0.0044	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0014	U	0.0014	0.0044	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0013	U	0.0013	0.0044	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.0044	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0026	U	0.0026	0.0044	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0028	U	0.0028	0.0044	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.4		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		38 - 136	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	7.707			
540-36-3	1,4-Difluorobenzene	503000	8.616			
3114-55-4	Chlorobenzene-d5	459000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	180000	13.346			

Raw Data: **VY021770.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-10	SDG No.:	Q1698
Lab Sample ID:	Q1698-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.1
Sample Wt/Vol:	6.09 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
VY021770.D	1		04/03/25 13:56	VY040325

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\VY040325\
Data File : VY021770.D
Acq On : 03 Apr 2025 13:56
Operator : SY/MD
Sample : Q1698-09
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-10

Quant Time: Apr 04 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	264094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	502539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147838	51.667	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.340%			
35) Dibromofluoromethane	7.640	113	165001	50.616	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.240%			
50) Toluene-d8	10.109	98	625514	50.438	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.880%			
62) 4-Bromofluorobenzene	12.408	95	194072	46.265	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.520%			

Target Compounds Qvalue

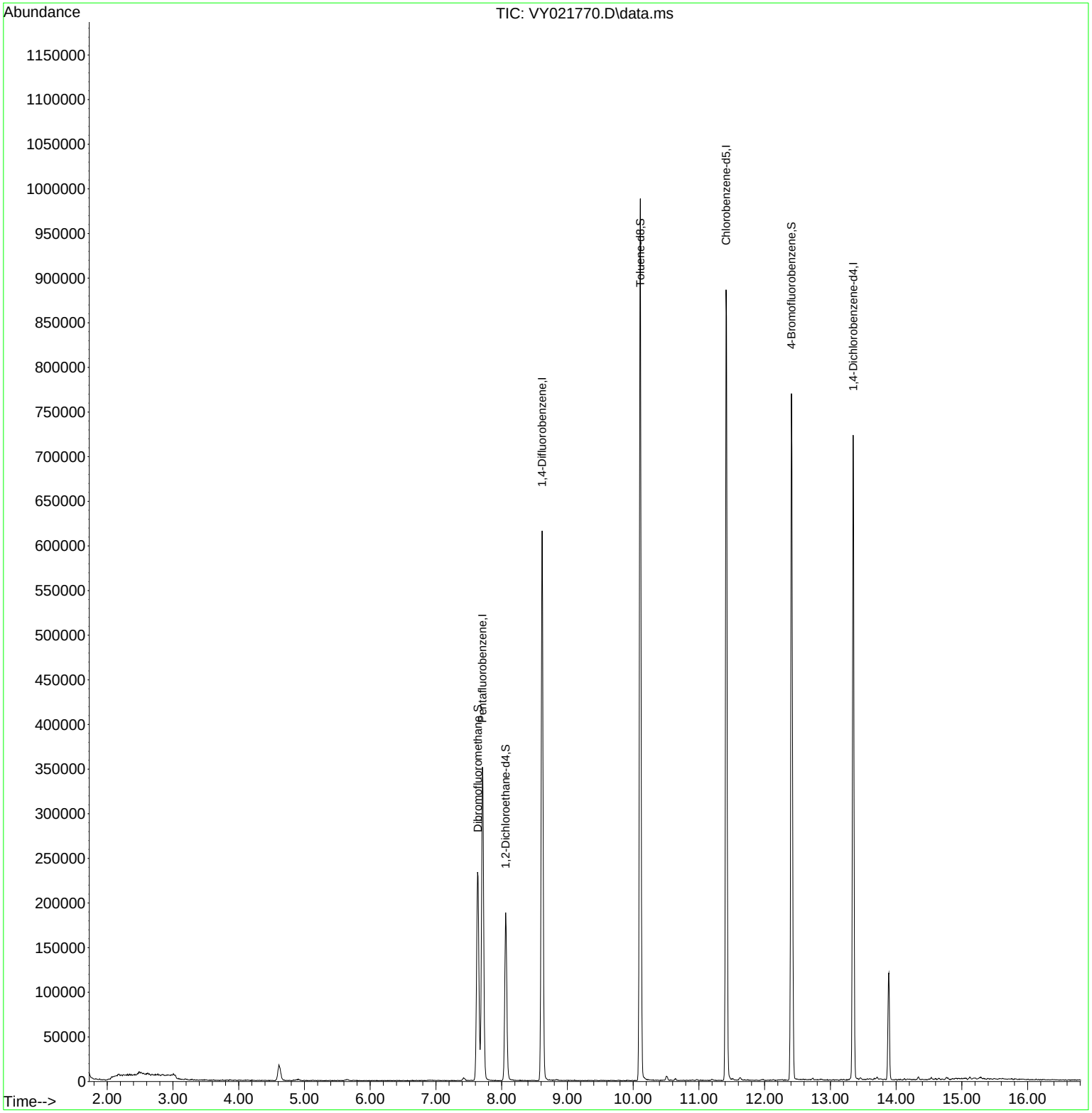
(#) = qualifier out of range (m) = manual integration (+) = signals summed

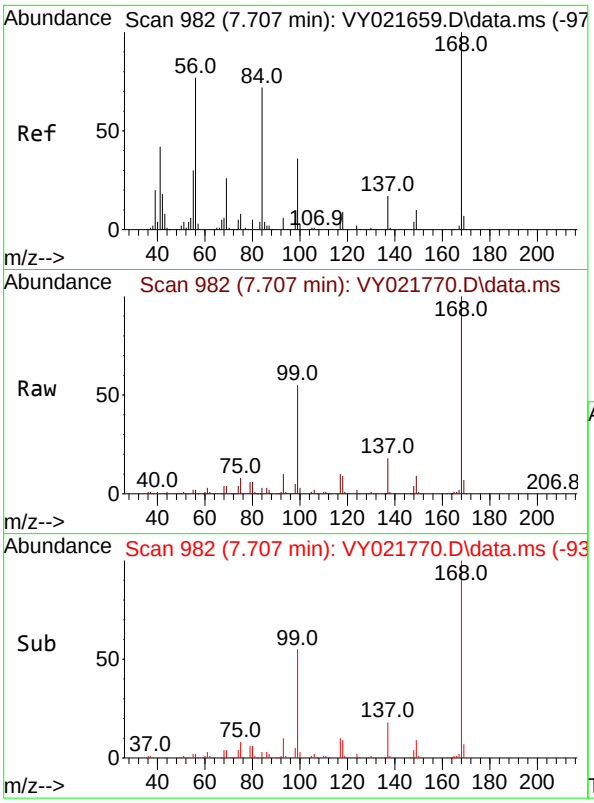
Sample Results: **VY021770.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021770.D
Acq On : 03 Apr 2025 13:56
Operator : SY/MD
Sample : Q1698-09
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-10

Quant Time: Apr 04 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



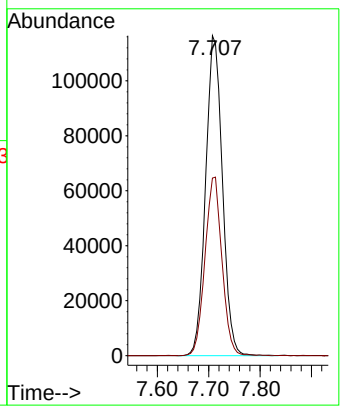


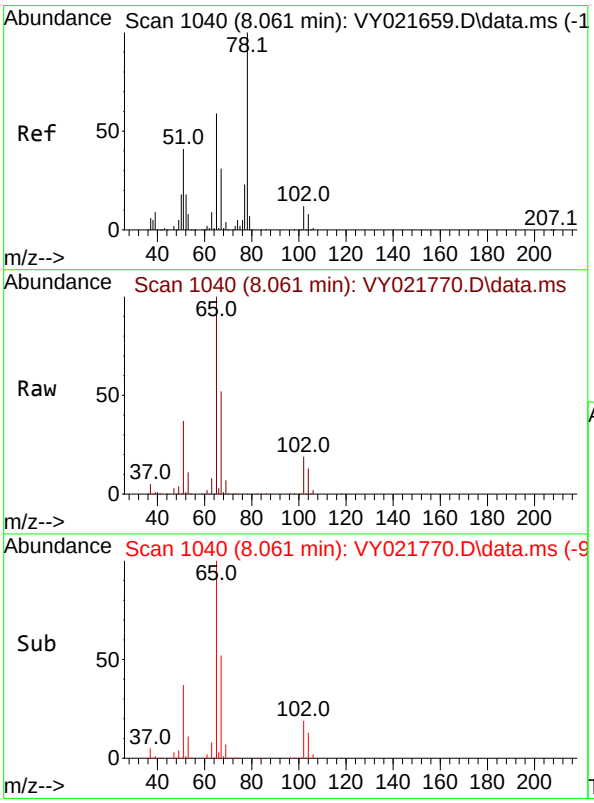
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
B-10

Tgt Ion:168 Resp: 264094

Ion	Ratio	Lower	Upper
168	100		
99	55.5	46.7	70.1

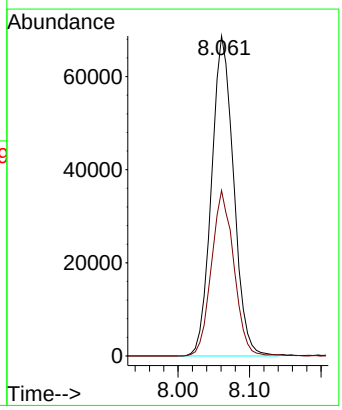


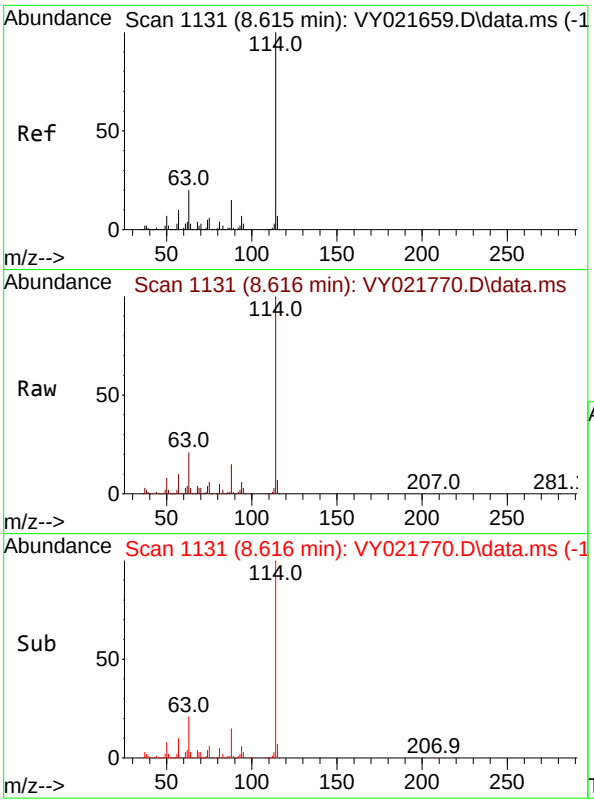


#33
1,2-Dichloroethane-d4
Concen: 51.667 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Tgt Ion: 65 Resp: 147838

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.6



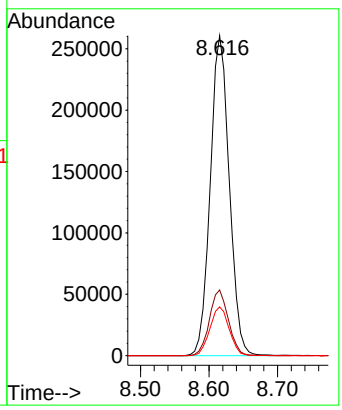


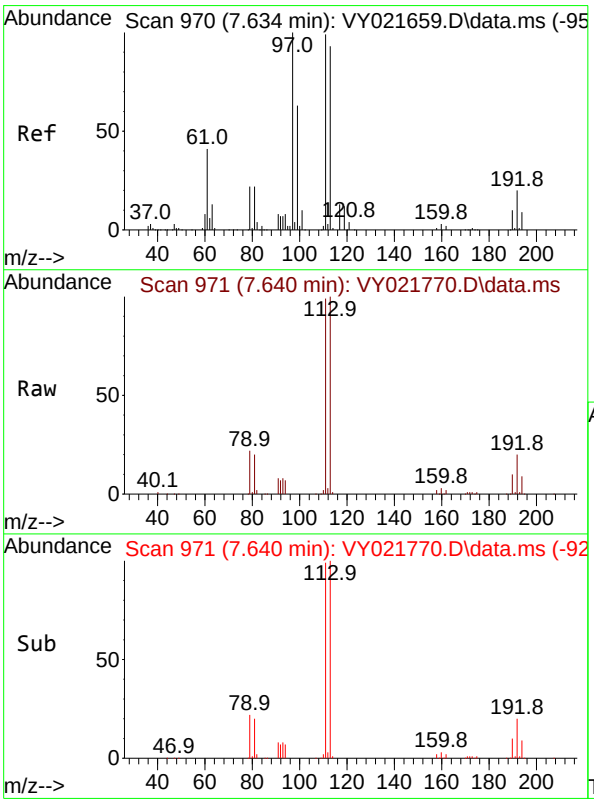
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
B-10

Tgt Ion:114 Resp: 502539

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.2
88	15.2	0.0	29.8

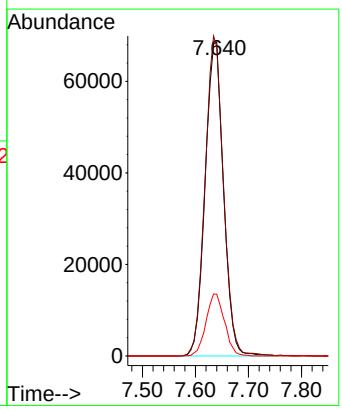


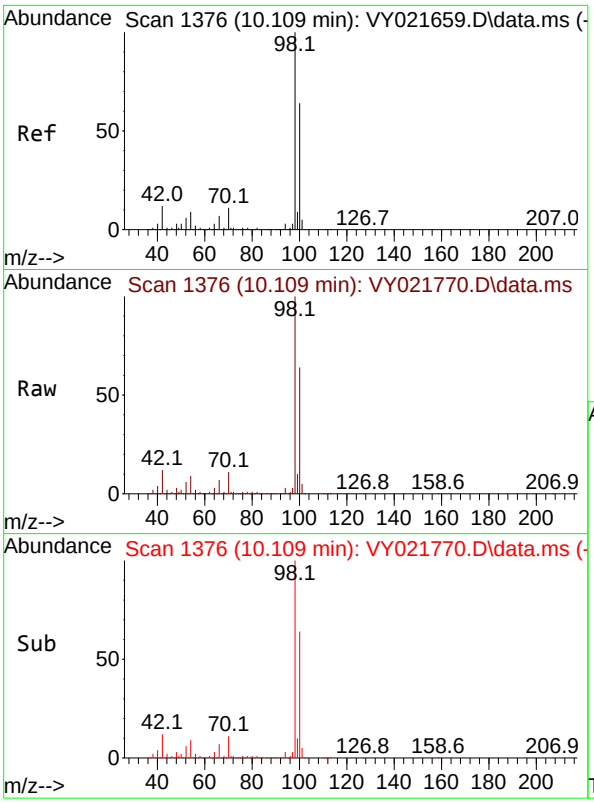


#35
Dibromofluoromethane
Concen: 50.616 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Tgt Ion:113 Resp: 165001

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	19.9	16.2	24.4



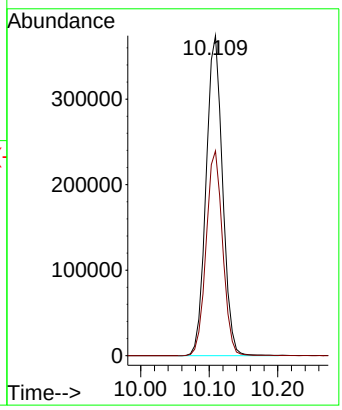


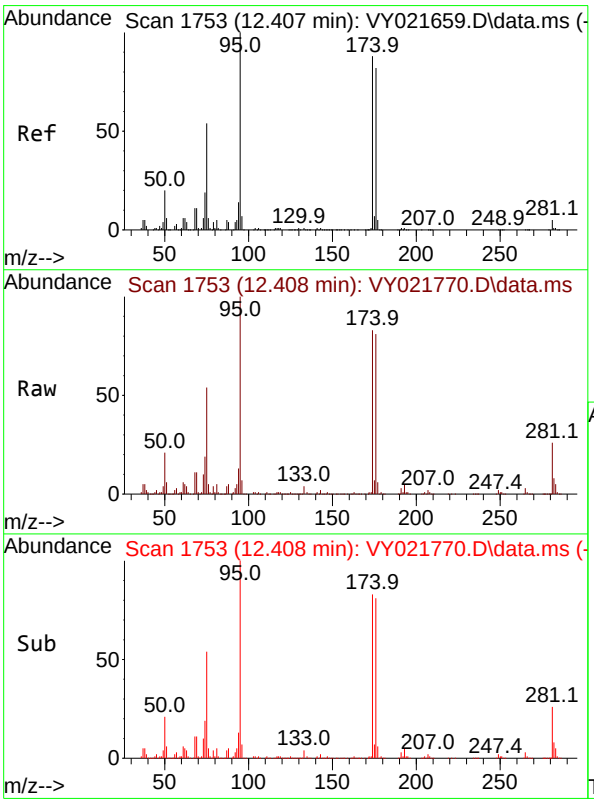
#50
Toluene-d8
Concen: 50.438 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
B-10

Tgt Ion: 98 Resp: 625514

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

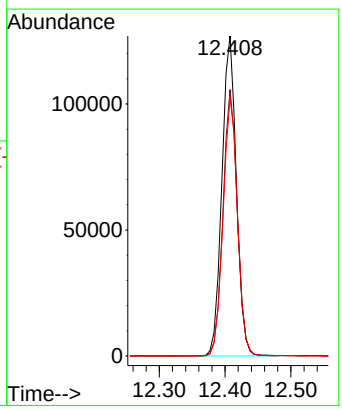


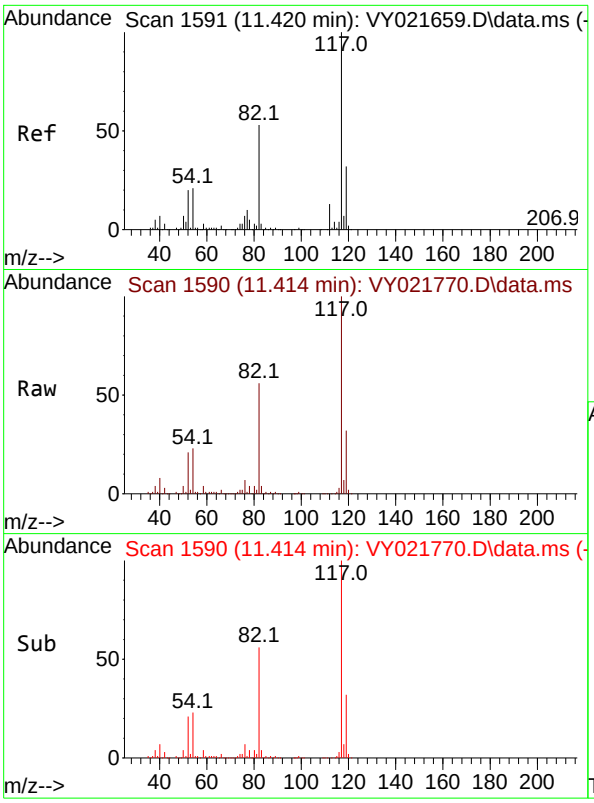


#62
4-Bromofluorobenzene
Concen: 46.265 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Tgt Ion: 95 Resp: 194072

Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	170.8
176	80.4	0.0	162.0



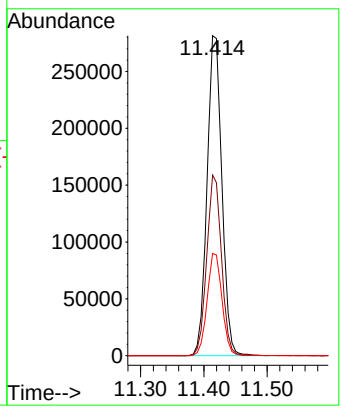


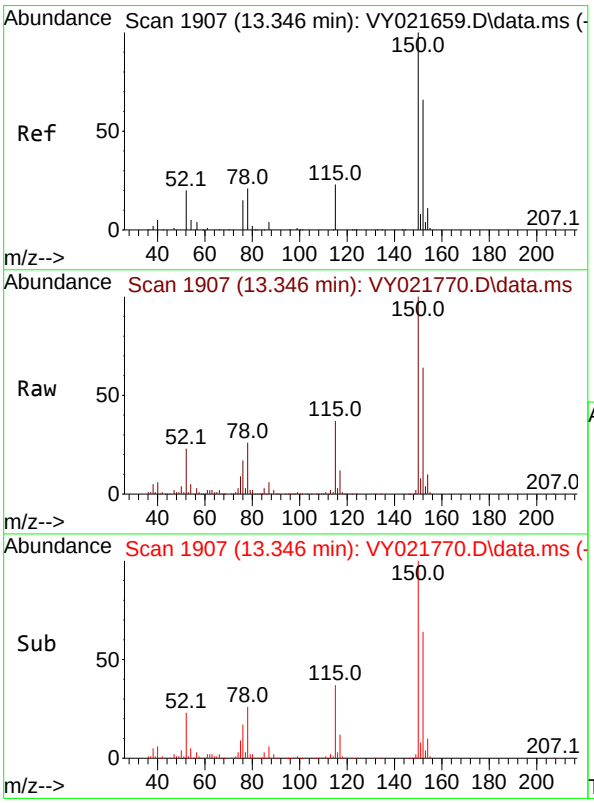
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
B-10

Tgt Ion:117 Resp: 458507

Ion	Ratio	Lower	Upper
117	100		
82	56.5	42.8	64.2
119	31.9	25.7	38.5

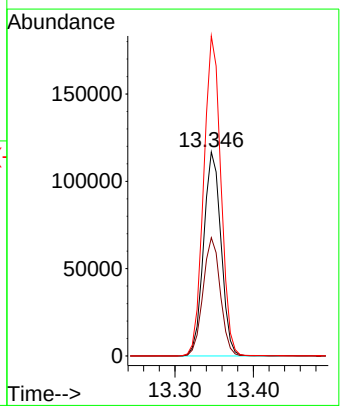




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Tgt Ion:152 Resp: 179643

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.8	86.5
150	155.1	0.0	348.4



Sample Results: **VY021770.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021770.D
Acq On : 03 Apr 2025 13:56
Operator : SY/MD
Sample : Q1698-09
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-10

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021770.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	465	474	486	rBV2	17735	52843	3.15%	0.598%
2	7.634	957	970	976	rBV	233625	561834	33.48%	6.357%
3	7.707	976	982	998	rVB	350655	800119	47.68%	9.053%
4	8.061	1030	1040	1055	rBV	188297	418059	24.91%	4.730%
5	8.616	1122	1131	1146	rBV	615905	1195679	71.25%	13.528%
6	10.109	1366	1376	1391	rBV	988091	1678229	100.00%	18.988%
7	11.414	1580	1590	1602	rBV	885969	1448434	86.31%	16.388%
8	12.408	1745	1753	1763	rBV2	769329	1378718	82.15%	15.599%
9	13.346	1897	1907	1917	rBV	722052	1105736	65.89%	12.511%
10	13.889	1990	1996	2004	rVB2	119671	198632	11.84%	2.247%

Sum of corrected areas: 8838283

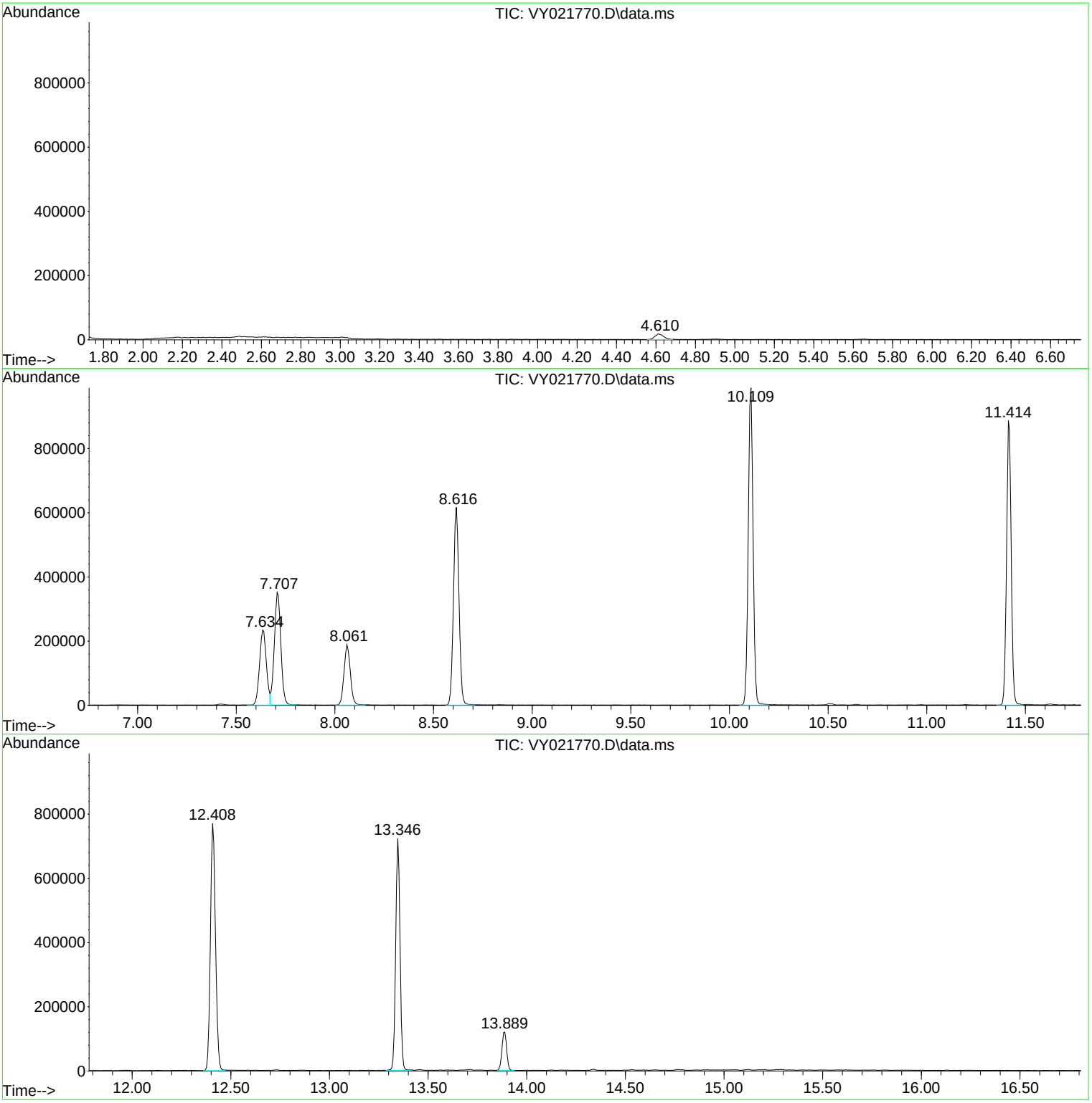
Sample Results: **VY021770.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021770.D
Acq On : 03 Apr 2025 13:56
Operator : SY/MD
Sample : Q1698-09
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY021770.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021770.D
Acq On : 03 Apr 2025 13:56
Operator : SY/MD
Sample : Q1698-09
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY040325\
Data File : VY021770.D
Acq On : 03 Apr 2025 13:56
Operator : SY/MD
Sample : Q1698-09
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1698 SAS No.: Q1698 SDG No.: Q1698

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.4
Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.6
Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.5
Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.9
Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.5
Trichlorofluoromethane	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.5
1,1,2-Trichlorotrifluoroethane	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.4
1,1-Dichloroethene	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.2
Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.3
Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.4
Methyl tert-butyl Ether	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.9
Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	11
Methylene Chloride	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.8
trans-1,2-Dichloroethene	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.3
1,1-Dichloroethane	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.3
Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.1
2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.9
Carbon Tetrachloride	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.9
cis-1,2-Dichloroethene	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.3
Bromochloromethane	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.3
Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.9
1,1,1-Trichloroethane	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.3
Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.5
Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.6
1,2-Dichloroethane	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.1
Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.4
1,2-Dichloropropane	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.2
Bromodichloromethane	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6
4-Methyl-2-Pentanone	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.9
Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3

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

Raw Data

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: TULL02

Lab Code: CHEM Case No.: Q1698 SAS No.: Q1698 SDG No.: Q1698

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.5
cis-1,3-Dichloropropene	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.6
1,1,2-Trichloroethane	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.9
2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.2
Dibromochloromethane	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.1
1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.3
Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.3
Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.3
Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.9
m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.2
o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.4
Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.8
Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.4
Isopropylbenzene	3.628	3.701	3.582	3.826	3.843	3.702	3.714	2.8
1,1,2,2-Tetrachloroethane	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.1
1,3-Dichlorobenzene	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.2
1,4-Dichlorobenzene	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.2
1,2-Dichlorobenzene	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.9
1,2-Dibromo-3-Chloropropane	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.6
1,2,4-Trichlorobenzene	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.6
1,2,3-Trichlorobenzene	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.1
1,2-Dichloroethane-d4	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.5
Dibromofluoromethane	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7
Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.1
4-Bromofluorobenzene	0.447	0.410	0.378	0.439	0.424	0.407	0.417	6

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025
Response Via : Initial Calibration

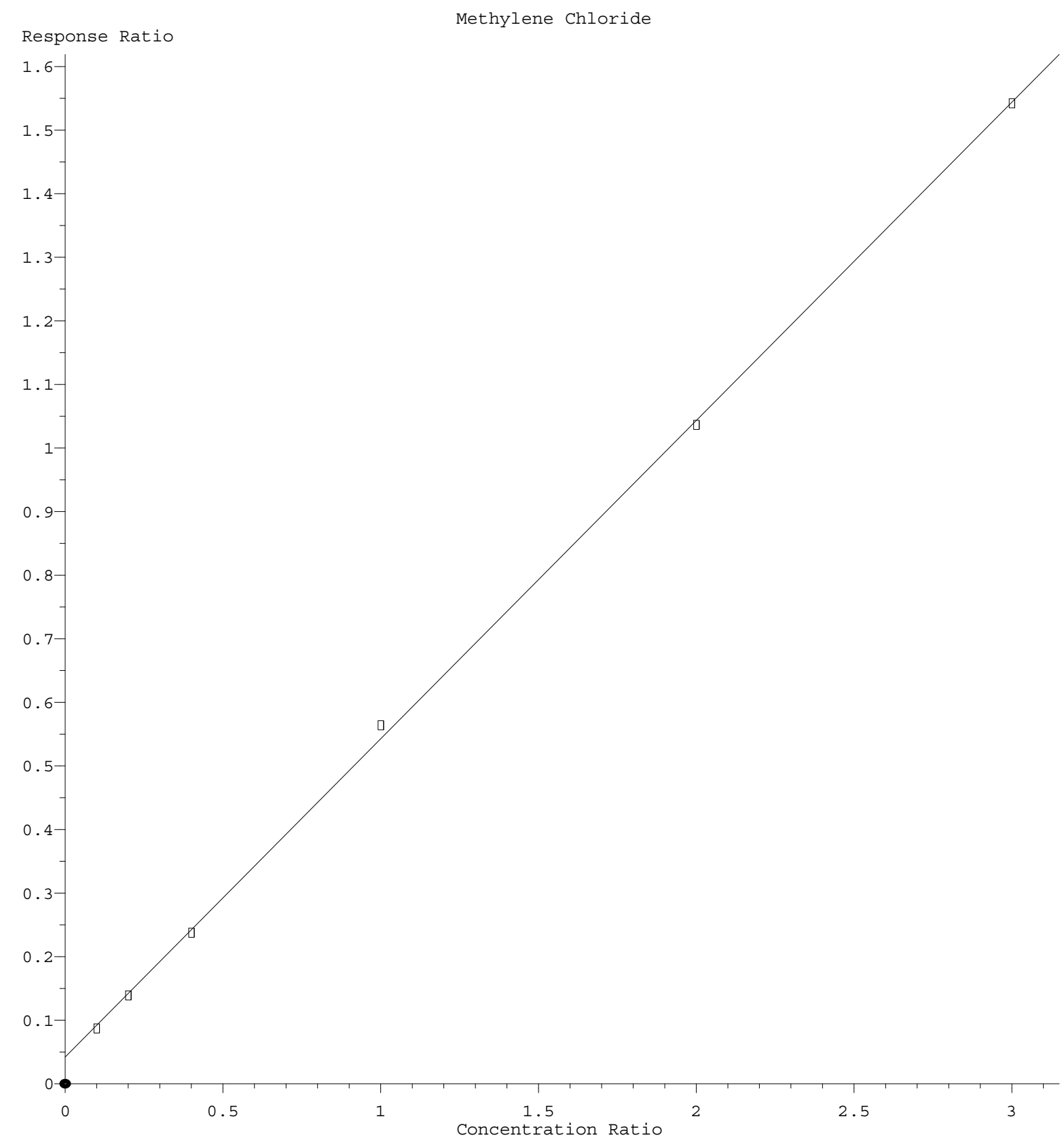
Calibration Files
5 =VY021656.D 10 =VY021657.D 20 =VY021658.D 50 =VY021659.D 100 =VY021660.D 150 =VY021661.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.38
3)	P	Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.61
4)	C	Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.48#
5)	T	Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.90
6)	T	Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.46
7)	T	Trichlorofluor...	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.48
8)	T	Diethyl Ether	0.332	0.309	0.284	0.275	0.256	0.266	0.287	9.95
9)	T	1,1,2-Trichlor...	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.39
10)	T	Methyl Iodide	0.567	0.581	0.610	0.655	0.631	0.620	0.611	5.34
11)	T	Tert butyl alc...	0.043	0.038	0.034	0.034	0.029	0.032	0.035	13.48
12)	CM	1,1-Dichloroet...	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.17#
13)	T	Acrolein	0.069	0.070	0.064	0.063	0.059	0.061	0.064	7.03
14)	T	Allyl chloride	0.897	0.866	0.803	0.837	0.814	0.801	0.836	4.60
15)	T	Acrylonitrile	0.132	0.128	0.116	0.121	0.109	0.113	0.120	7.45
16)	T	Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.31
17)	T	Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.40
18)	T	Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	10.97
19)	T	Methyl tert-bu...	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.90
20)	T	Methylene Chlo...	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.82
21)	T	trans-1,2-Dich...	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.32
22)	T	Diisopropyl ether	1.795	1.771	1.732	1.800	1.725	1.701	1.754	2.32
23)	T	Vinyl Acetate	1.026	1.036	1.000	1.066	1.004	1.025	1.026	2.33
24)	P	1,1-Dichloroet...	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.26
25)	T	2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.91
26)	T	2,2-Dichloropr...	1.063	0.962	0.896	0.920	0.886	0.870	0.933	7.63
27)	T	cis-1,2-Dichlo...	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.34
28)	T	Bromochloromet...	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.32
29)	T	Tetrahydrofuran	0.108	0.111	0.096	0.105	0.093	0.097	0.102	7.06
30)	C	Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.85#
31)	T	Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.12
32)	T	1,1,1-Trichlor...	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.31
33)	S	1,2-Dichloroet...	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.53
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7.00
36)	T	1,1-Dichloropr...	0.532	0.509	0.487	0.502	0.484	0.450	0.494	5.59
37)	T	Ethyl Acetate	0.270	0.256	0.217	0.236	0.211	0.210	0.233	10.82
38)	T	Carbon Tetrach...	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.89
39)	T	Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.50
40)	TM	Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.58
41)	T	Methacrylonitrile	0.134	0.132	0.111	0.137	0.114	0.116	0.124	9.32
42)	TM	1,2-Dichloroet...	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.15
43)	T	Isopropyl Acetate	0.471	0.474	0.408	0.451	0.420	0.426	0.442	6.29
44)	TM	Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.37
45)	C	1,2-Dichloropr...	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.15#
46)	T	Dibromomethane	0.225	0.220	0.192	0.198	0.191	0.185	0.202	8.23
47)	T	Bromodichlorom...	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6.02
48)	T	Methyl methacr...	0.212	0.205	0.179	0.210	0.206	0.203	0.203	5.87
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	3.07
50)	S	Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.12
51)	T	4-Methyl-2-Pen...	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.93
52)	CM	Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3.01#
53)	T	t-1,3-Dichloro...	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.47
54)	T	cis-1,3-Dichlo...	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.62
55)	T	1,1,2-Trichlor...	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.92
56)	T	Ethyl methacry...	0.287	0.309	0.314	0.366	0.356	0.359	0.332	9.82

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y032725S.M

57)	T	1,3-Dichloropr...	0.472	0.470	0.440	0.460	0.432	0.419	0.449	4.84
58)	T	2-Chloroethyl ...	0.142	0.153	0.151	0.180	0.173	0.172	0.162	9.22
59)	T	2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.25
60)	T	Dibromochlorom...	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.10
61)	T	1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.32
62)	S	4-Bromofluorob...	0.447	0.410	0.378	0.439	0.424	0.407	0.417	5.97
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.28
65)	PM	Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.26
66)	T	1,1,1,2-Tetrac...	0.448	0.409	0.390	0.412	0.400	0.382	0.407	5.67
67)	C	Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.93#
68)	T	m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.21
69)	T	o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.40
70)	T	Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.82
71)	P	Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.44
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.628	3.701	3.582	3.825	3.843	3.702	3.714	2.80
74)	T	N-amyl acetate	0.812	0.864	0.800	0.917	0.898	0.938	0.872	6.47
75)	P	1,1,2,2-Tetrac...	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.14
76)	T	1,2,3-Trichlor...	0.506	0.560	0.487	0.498	0.453	0.470	0.496	7.46
77)	T	Bromobenzene	0.946	0.909	0.852	0.889	0.886	0.867	0.892	3.71
78)	T	n-propylbenzene	4.347	4.457	4.349	4.617	4.612	4.408	4.465	2.75
79)	T	2-Chlorotoluene	2.616	2.634	2.535	2.645	2.603	2.526	2.593	1.96
80)	T	1,3,5-Trimethy...	2.917	3.001	2.982	3.147	3.141	3.023	3.035	3.01
81)	T	trans-1,4-Dich...	0.208	0.227	0.199	0.222	0.212	0.224	0.215	5.06
82)	T	4-Chlorotoluene	2.768	2.746	2.649	2.757	2.695	2.606	2.704	2.42
83)	T	tert-Butylbenzene	2.596	2.674	2.617	2.787	2.832	2.715	2.703	3.46
84)	T	1,2,4-Trimethy...	2.783	2.965	2.960	3.135	3.116	3.040	3.000	4.30
85)	T	sec-Butylbenzene	3.838	3.999	3.860	4.095	4.054	3.858	3.951	2.85
86)	T	p-Isopropyltol...	3.001	3.194	3.195	3.430	3.445	3.328	3.265	5.19
87)	T	1,3-Dichlorobe...	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.21
88)	T	1,4-Dichlorobe...	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.16
89)	T	n-Butylbenzene	2.890	2.933	2.932	3.173	3.166	3.025	3.020	4.11
90)	T	Hexachloroethane	0.798	0.720	0.677	0.707	0.709	0.683	0.716	6.06
91)	T	1,2-Dichlorobe...	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.91
92)	T	1,2-Dibromo-3-...	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.58
93)	T	1,2,4-Trichlor...	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.65
94)	T	Hexachlorobuta...	0.568	0.521	0.490	0.525	0.512	0.492	0.518	5.51
95)	T	Naphthalene	1.153	1.208	1.258	1.508	1.505	1.616	1.375	13.94
96)	T	1,2,3-Trichlor...	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.06

(#) = Out of Range



Response = 5.006e-001 * Amt + 4.197e-002
Coef of Det (r^2) = 0.999666 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032725S.M
Calibration Table Last Updated: Fri Mar 28 02:30:29 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	217101	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	350486	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	301382	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145682	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	13289	5.650	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.300%#			
35) Dibromofluoromethane	7.634	113	12519	5.506	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.020%#			
50) Toluene-d8	10.109	98	44774	5.177	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.360%#			
62) 4-Bromofluorobenzene	12.408	95	15657	5.352	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.700%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	13065	5.806	ug/l		98
3) Chloromethane	2.074	50	19017	6.010	ug/l		90
4) Vinyl Chloride	2.202	62	21214	5.928	ug/l		93
5) Bromomethane	2.598	94	15395	6.308	ug/l		99
6) Chloroethane	2.733	64	13977	5.969	ug/l		99
7) Trichlorofluoromethane	3.056	101	26311	5.740	ug/l		98
8) Diethyl Ether	3.458	74	7213	5.786	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.824	101	14493	5.995	ug/l		98
10) Methyl Iodide	4.007	142	12311	4.642	ug/l		98
11) Tert butyl alcohol	4.860	59	4636	30.344	ug/l	#	85
12) 1,1-Dichloroethene	3.793	96	12778	5.611	ug/l		92
13) Acrolein	3.653	56	7499	26.881	ug/l		93
14) Allyl chloride	4.385	41	19469	5.362	ug/l		97
15) Acrylonitrile	5.061	53	14337	27.546	ug/l	#	88
16) Acetone	3.873	43	15736	32.687	ug/l		100
17) Carbon Disulfide	4.110	76	42467	5.662	ug/l		99
18) Methyl Acetate	4.391	43	7141	5.985	ug/l		97
19) Methyl tert-butyl Ether	5.110	73	29969	5.286	ug/l		100
20) Methylene Chloride	4.616	84	18885	4.497	ug/l		96
21) trans-1,2-Dichloroethene	5.116	96	13763	5.489	ug/l		95
22) Diisopropyl ether	6.019	45	38980	5.118	ug/l		95
23) Vinyl Acetate	5.964	43	111357	24.992	ug/l		98
24) 1,1-Dichloroethane	5.915	63	25578	5.616	ug/l	#	94
25) 2-Butanone	6.896	43	19664	28.598	ug/l		96
26) 2,2-Dichloropropane	6.884	77	23073	5.695	ug/l		100
27) cis-1,2-Dichloroethene	6.896	96	15197	5.390	ug/l		99
28) Bromochloromethane	7.250	49	11139	5.799	ug/l		99
29) Tetrahydrofuran	7.262	42	11696	26.430	ug/l		99
30) Chloroform	7.421	83	26819	5.662	ug/l		95
31) Cyclohexane	7.707	56	25394	6.117	ug/l	#	88
32) 1,1,1-Trichloroethane	7.616	97	25069	5.856	ug/l		97
36) 1,1-Dichloropropene	7.835	75	18659	5.388	ug/l		99
37) Ethyl Acetate	6.988	43	9459	5.788	ug/l	#	95
38) Carbon Tetrachloride	7.817	117	22310	5.625	ug/l		95
39) Methylcyclohexane	9.109	83	20781	5.023	ug/l		97
40) Benzene	8.079	78	56287	5.427	ug/l		92

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4688m	5.402	ug/l		
42) 1,2-Dichloroethane	8.158	62	16381	5.603	ug/l		98
43) Isopropyl Acetate	8.195	43	16504	5.329	ug/l		97
44) Trichloroethene	8.866	130	14453	5.470	ug/l		98
45) 1,2-Dichloropropane	9.146	63	13429	5.470	ug/l		99
46) Dibromomethane	9.231	93	7882	5.571	ug/l		97
47) Bromodichloromethane	9.420	83	20008	5.458	ug/l		92
48) Methyl methacrylate	9.219	41	7427	5.225	ug/l		96
49) 1,4-Dioxane	9.231	88	1573	103.789	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	40601	25.191	ug/l		97
52) Toluene	10.176	92	32954	5.093	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	15986	4.909	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	19395	5.049	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	9802	5.384	ug/l		94
56) Ethyl methacrylate	10.438	69	10060	4.327	ug/l		93
57) 1,3-Dichloropropane	10.719	76	16534	5.258	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	24903	21.959	ug/l		98
59) 2-Hexanone	10.762	43	26991	25.145	ug/l		92
60) Dibromochloromethane	10.914	129	13002	5.231	ug/l		99
61) 1,2-Dibromoethane	11.018	107	9345	5.472	ug/l		100
64) Tetrachloroethene	10.652	164	16085	5.860	ug/l		93
65) Chlorobenzene	11.444	112	37505	5.429	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	13496	5.506	ug/l		97
67) Ethyl Benzene	11.524	91	58750	4.959	ug/l		98
68) m/p-Xylenes	11.633	106	43785	9.652	ug/l		97
69) o-Xylene	11.956	106	20041	4.786	ug/l		98
70) Styrene	11.975	104	32075	4.594	ug/l		99
71) Bromoform	12.133	173	7253	5.187	ug/l	#	98
73) Isopropylbenzene	12.255	105	52860	4.885	ug/l		99
74) N-amyl acetate	12.072	43	11835	4.660	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	11133	5.723	ug/l		95
76) 1,2,3-Trichloropropane	12.554	75	7373m	5.106	ug/l		
77) Bromobenzene	12.536	156	13783	5.305	ug/l		97
78) n-propylbenzene	12.597	91	63324	4.868	ug/l		100
79) 2-Chlorotoluene	12.682	91	38107	5.044	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	42499	4.806	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	3023	4.823	ug/l		88
82) 4-Chlorotoluene	12.779	91	40326	5.119	ug/l		100
83) tert-Butylbenzene	12.999	119	37817	4.801	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	40547	4.639	ug/l		99
85) sec-Butylbenzene	13.176	105	55918	4.858	ug/l		100
86) p-Isopropyltoluene	13.292	119	43714	4.595	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	27604	5.393	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	27332	5.405	ug/l		94
89) n-Butylbenzene	13.621	91	42102	4.785	ug/l		96
90) Hexachloroethane	13.883	117	11619	5.573	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	23277	5.224	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1634	5.419	ug/l		91
93) 1,2,4-Trichlorobenzene	14.925	180	11228	4.647	ug/l		97
94) Hexachlorobutadiene	15.029	225	8276	5.484	ug/l		96
95) Naphthalene	15.151	128	16796	4.194	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	9518	4.619	ug/l		96

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

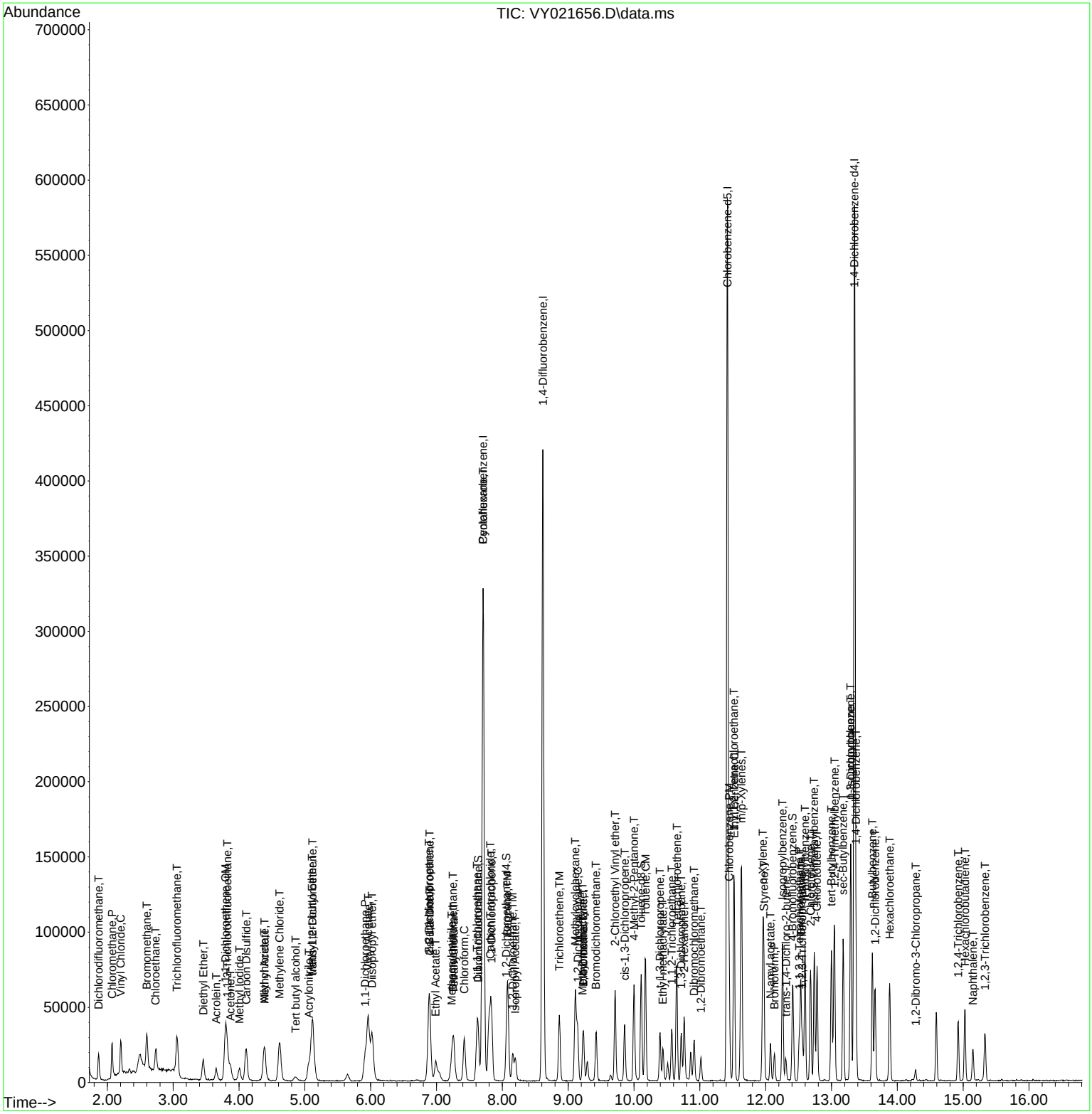
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	225523	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	354785	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	311737	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152005	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	25195	10.311	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.620%#			
35) Dibromofluoromethane	7.634	113	22797	9.906	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.820%#			
50) Toluene-d8	10.103	98	88000	10.051	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.100%#			
62) 4-Bromofluorobenzene	12.408	95	29125	9.835	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.660%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	26017	11.130	ug/l		99
3) Chloromethane	2.068	50	34949	10.633	ug/l		99
4) Vinyl Chloride	2.202	62	39982	10.756	ug/l		96
5) Bromomethane	2.592	94	27670	10.914	ug/l		97
6) Chloroethane	2.733	64	25703	10.567	ug/l		98
7) Trichlorofluoromethane	3.056	101	50711	10.650	ug/l		100
8) Diethyl Ether	3.452	74	13940	10.765	ug/l		95
9) 1,1,2-Trichlorotrifluo...	3.818	101	27088	10.786	ug/l		98
10) Methyl Iodide	4.001	142	26193	9.507	ug/l		99
11) Tert butyl alcohol	4.860	59	8671	54.634	ug/l	#	87
12) 1,1-Dichloroethene	3.793	96	25446	10.757	ug/l		88
13) Acrolein	3.653	56	15799	54.518	ug/l		100
14) Allyl chloride	4.379	41	39045	10.352	ug/l		97
15) Acrylonitrile	5.055	53	28866	53.389	ug/l		98
16) Acetone	3.867	43	27669	55.329	ug/l		99
17) Carbon Disulfide	4.104	76	82458	10.583	ug/l	#	94
18) Methyl Acetate	4.385	43	12911	10.417	ug/l		100
19) Methyl tert-butyl Ether	5.110	73	60205	10.223	ug/l		98
20) Methylene Chloride	4.616	84	31313	9.677	ug/l		97
21) trans-1,2-Dichloroethene	5.110	96	27407	10.523	ug/l		96
22) Diisopropyl ether	6.012	45	79874	10.095	ug/l		93
23) Vinyl Acetate	5.958	43	233596	50.469	ug/l		98
24) 1,1-Dichloroethane	5.915	63	49217	10.403	ug/l		98
25) 2-Butanone	6.890	43	37356	52.299	ug/l		97
26) 2,2-Dichloropropane	6.884	77	43412	10.316	ug/l		99
27) cis-1,2-Dichloroethene	6.890	96	29699	10.140	ug/l		100
28) Bromochloromethane	7.244	49	21186	10.618	ug/l		99
29) Tetrahydrofuran	7.262	42	25111	54.625	ug/l		97
30) Chloroform	7.421	83	51464	10.459	ug/l		98
31) Cyclohexane	7.701	56	46569	10.798	ug/l	#	90
32) 1,1,1-Trichloroethane	7.616	97	45673	10.270	ug/l		98
36) 1,1-Dichloropropene	7.835	75	36121	10.304	ug/l		99
37) Ethyl Acetate	6.988	43	18146	10.969	ug/l		98
38) Carbon Tetrachloride	7.817	117	42141	10.496	ug/l		98
39) Methylcyclohexane	9.103	83	42492	10.147	ug/l		98
40) Benzene	8.079	78	108360	10.322	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.226	41	9343m	10.635 ug/l		
42) 1,2-Dichloroethane	8.158	62	31606	10.679 ug/l		100
43) Isopropyl Acetate	8.195	43	33664	10.738 ug/l	#	87
44) Trichloroethene	8.866	130	28275	10.571 ug/l		95
45) 1,2-Dichloropropane	9.140	63	25943	10.440 ug/l		99
46) Dibromomethane	9.231	93	15605	10.896 ug/l		94
47) Bromodichloromethane	9.427	83	38737	10.439 ug/l		99
48) Methyl methacrylate	9.219	41	14576	10.130 ug/l		98
49) 1,4-Dioxane	9.231	88	3077	200.565 ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	85020	52.111 ug/l		98
52) Toluene	10.170	92	66889	10.212 ug/l		100
53) t-1,3-Dichloropropene	10.396	75	33356	10.120 ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	39609	10.186 ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	20050	10.879 ug/l		95
56) Ethyl methacrylate	10.439	69	21901	9.307 ug/l		96
57) 1,3-Dichloropropane	10.713	76	33316	10.467 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	54271	47.274 ug/l		98
59) 2-Hexanone	10.762	43	54649	50.295 ug/l		100
60) Dibromochloromethane	10.914	129	26032	10.346 ug/l		94
61) 1,2-Dibromoethane	11.018	107	17722	10.251 ug/l		97
64) Tetrachloroethene	10.646	164	31334	11.036 ug/l		93
65) Chlorobenzene	11.444	112	73433	10.276 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	25506	10.060 ug/l		97
67) Ethyl Benzene	11.518	91	119480	9.750 ug/l		98
68) m/p-Xylenes	11.627	106	93887	20.009 ug/l		99
69) o-Xylene	11.957	106	41768	9.643 ug/l		98
70) Styrene	11.969	104	69196	9.581 ug/l		99
71) Bromoform	12.127	173	14887	10.294 ug/l	#	98
73) Isopropylbenzene	12.255	105	112512	9.966 ug/l		100
74) N-amyl acetate	12.072	43	26259	9.910 ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	21883	10.781 ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	17026m	11.300 ug/l		
77) Bromobenzene	12.530	156	27648	10.199 ug/l		98
78) n-propylbenzene	12.597	91	135498	9.983 ug/l		99
79) 2-Chlorotoluene	12.682	91	80079	10.158 ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91235	9.888 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	6899	10.550 ug/l		99
82) 4-Chlorotoluene	12.780	91	83484	10.157 ug/l		100
83) tert-Butylbenzene	12.999	119	81296	9.892 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	90142	9.884 ug/l		100
85) sec-Butylbenzene	13.176	105	121575	10.122 ug/l		99
86) p-Isopropyltoluene	13.292	119	97092	9.781 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	53929	10.098 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	54536	10.336 ug/l		95
89) n-Butylbenzene	13.615	91	89162	9.712 ug/l		98
90) Hexachloroethane	13.877	117	21881	10.059 ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	48845	10.506 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3387	10.766 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	23748	9.419 ug/l		99
94) Hexachlorobutadiene	15.023	225	15844	10.063 ug/l		99
95) Naphthalene	15.145	128	36711	8.785 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	20711	9.633 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 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

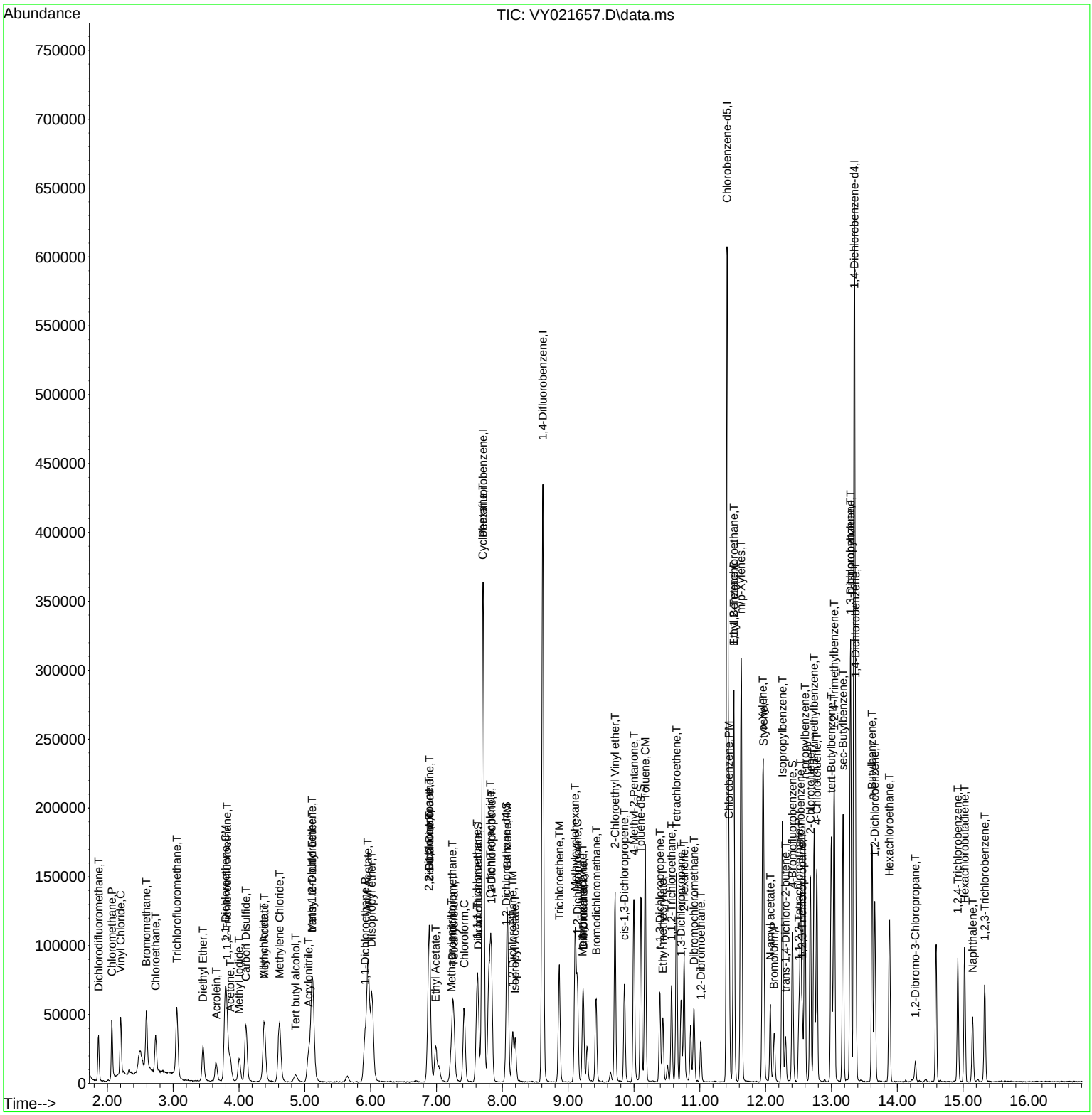
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	234060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	325153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47022	18.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.080%#		
35) Dibromofluoromethane	7.634	113	43318	17.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.820%#		
50) Toluene-d8	10.109	98	168040	18.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.520%#		
62) 4-Bromofluorobenzene	12.408	95	56308	18.092	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.180%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	46121	19.011	ug/l	98
3) Chloromethane	2.068	50	66775	19.575	ug/l	100
4) Vinyl Chloride	2.202	62	75860	19.664	ug/l	98
5) Bromomethane	2.586	94	50238	19.093	ug/l	91
6) Chloroethane	2.733	64	50953	20.184	ug/l	96
7) Trichlorofluoromethane	3.056	101	103348	20.913	ug/l	98
8) Diethyl Ether	3.452	74	26594	19.788	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	51794	19.871	ug/l	99
10) Methyl Iodide	4.001	142	57115	19.974	ug/l	97
11) Tert butyl alcohol	4.860	59	16115	97.834	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	47534	19.362	ug/l	98
13) Acrolein	3.653	56	29827	99.170	ug/l	99
14) Allyl chloride	4.385	41	75169	19.203	ug/l	98
15) Acrylonitrile	5.061	53	54478	97.084	ug/l	97
16) Acetone	3.866	43	47787	92.073	ug/l	97
17) Carbon Disulfide	4.104	76	159960	19.782	ug/l	98
18) Methyl Acetate	4.385	43	25160	19.560	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	116736	19.099	ug/l	99
20) Methylene Chloride	4.610	84	55574	19.525	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53188	19.677	ug/l	96
22) Diisopropyl ether	6.019	45	162151	19.747	ug/l	96
23) Vinyl Acetate	5.958	43	468035	97.433	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95841	19.520	ug/l	98
25) 2-Butanone	6.896	43	69856	94.233	ug/l	97
26) 2,2-Dichloropropane	6.884	77	83932	19.217	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	58567	19.266	ug/l	99
28) Bromochloromethane	7.238	49	39653	19.149	ug/l	99
29) Tetrahydrofuran	7.262	42	45146	94.626	ug/l	100
30) Chloroform	7.415	83	99390	19.462	ug/l	98
31) Cyclohexane	7.701	56	85377	19.075	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	89818	19.459	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72566	19.697	ug/l	99
37) Ethyl Acetate	6.988	43	32313	18.585	ug/l	97
38) Carbon Tetrachloride	7.817	117	81472	19.308	ug/l	97
39) Methylcyclohexane	9.109	83	84802	19.269	ug/l	97
40) Benzene	8.079	78	213074	19.313	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16483	17.853	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	59552	19.146	ug/l		99
43) Isopropyl Acetate	8.195	43	60795	18.451	ug/l	#	87
44) Trichloroethene	8.866	130	54015	19.215	ug/l		95
45) 1,2-Dichloropropane	9.140	63	49850	19.088	ug/l		98
46) Dibromomethane	9.231	93	28698	19.067	ug/l		97
47) Bromodichloromethane	9.420	83	75123	19.262	ug/l		99
48) Methyl methacrylate	9.219	41	26759	17.695	ug/l		94
49) 1,4-Dioxane	9.225	88	6260	388.254	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	163415	95.304	ug/l		98
52) Toluene	10.170	92	133126	19.340	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	65536	18.919	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	78753	19.271	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	37073	19.140	ug/l		98
56) Ethyl methacrylate	10.438	69	46833	18.936	ug/l		97
57) 1,3-Dichloropropane	10.719	76	65563	19.600	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	112947	93.615	ug/l		98
59) 2-Hexanone	10.762	43	107618	94.241	ug/l		99
60) Dibromochloromethane	10.908	129	50740	19.187	ug/l		100
61) 1,2-Dibromoethane	11.018	107	34293	18.874	ug/l		97
64) Tetrachloroethene	10.646	164	58923	19.897	ug/l		97
65) Chlorobenzene	11.444	112	144411	19.375	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	50703	19.173	ug/l		98
67) Ethyl Benzene	11.518	91	249430	19.515	ug/l		98
68) m/p-Xylenes	11.627	106	193566	39.549	ug/l		99
69) o-Xylene	11.957	106	87927	19.462	ug/l		98
70) Styrene	11.969	104	147490	19.580	ug/l		99
71) Bromoform	12.133	173	29726	19.706	ug/l	#	100
73) Isopropylbenzene	12.255	105	234386	19.290	ug/l		100
74) N-amyl acetate	12.072	43	52342	18.355	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40279	18.438	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	31855m	19.644	ug/l		
77) Bromobenzene	12.530	156	55776	19.119	ug/l		99
78) n-propylbenzene	12.597	91	284563	19.480	ug/l		100
79) 2-Chlorotoluene	12.682	91	165911	19.555	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	195141	19.651	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13021	18.502	ug/l		97
82) 4-Chlorotoluene	12.780	91	173311	19.593	ug/l		100
83) tert-Butylbenzene	12.999	119	171216	19.357	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	193683	19.734	ug/l		99
85) sec-Butylbenzene	13.176	105	252573	19.540	ug/l		100
86) p-Isopropyltoluene	13.292	119	209041	19.567	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	111682	19.431	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	111508	19.636	ug/l		98
89) n-Butylbenzene	13.615	91	191838	19.416	ug/l		99
90) Hexachloroethane	13.877	117	44313	18.928	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	97912	19.569	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6369	18.811	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	51474	18.971	ug/l		100
94) Hexachlorobutadiene	15.023	225	32055	18.916	ug/l		99
95) Naphthalene	15.145	128	82325	18.305	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	44047	19.037	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 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

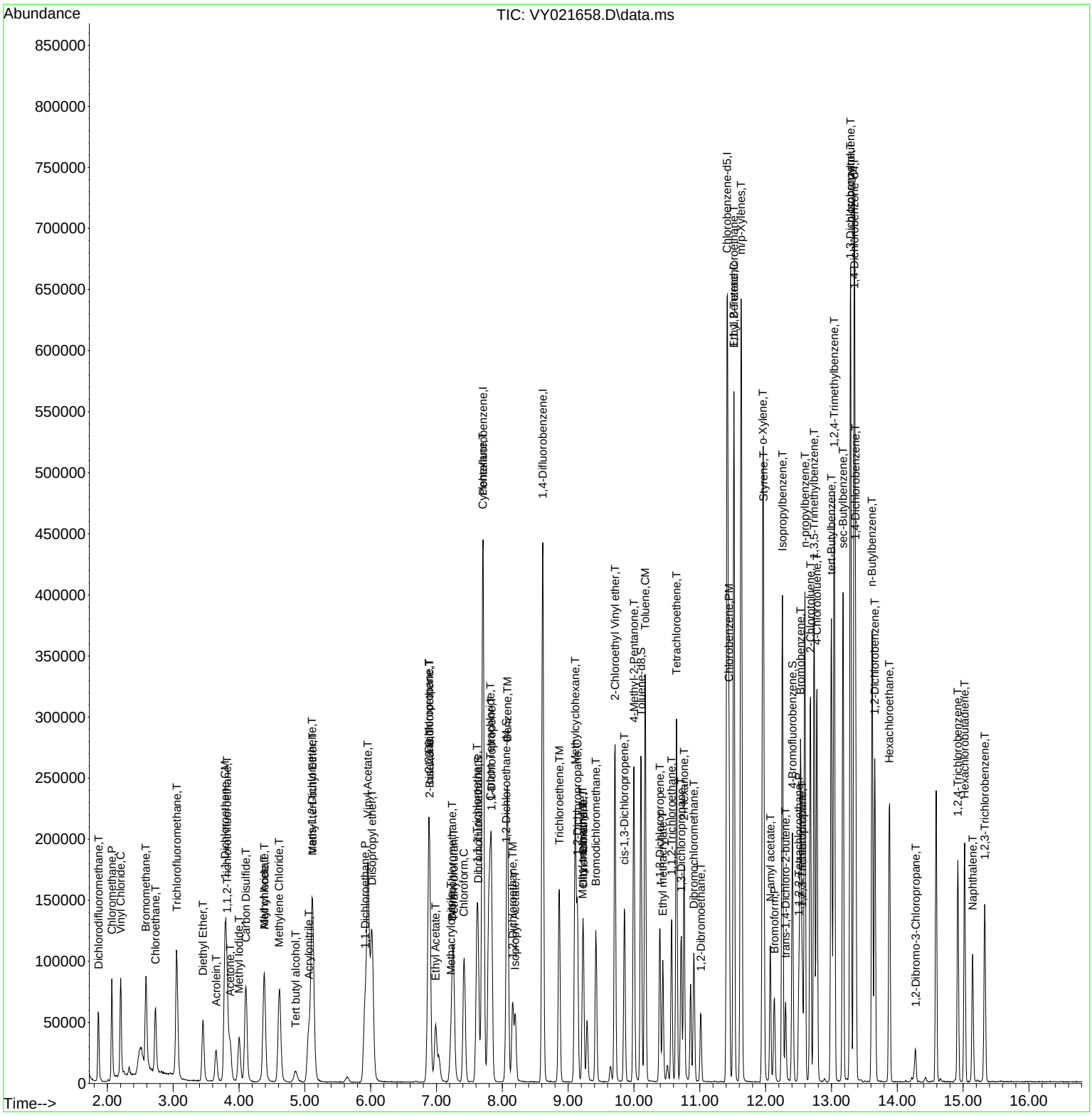
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	238234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	369963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	329626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130485	50.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.100%			
35) Dibromofluoromethane	7.634	113	125415	52.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.520%			
50) Toluene-d8	10.109	98	483058	52.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.820%			
62) 4-Bromofluorobenzene	12.407	95	162384	52.583	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	120589	48.836	ug/l	100
3) Chloromethane	2.068	50	164961	47.510	ug/l	100
4) Vinyl Chloride	2.202	62	190491	48.513	ug/l	100
5) Bromomethane	2.592	94	122288	45.662	ug/l	100
6) Chloroethane	2.732	64	122027	47.492	ug/l	100
7) Trichlorofluoromethane	3.055	101	241339	47.980	ug/l	100
8) Diethyl Ether	3.452	74	65605	47.960	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	127763	48.159	ug/l	100
10) Methyl Iodide	4.007	142	156113	53.639	ug/l	100
11) Tert butyl alcohol	4.860	59	40298	240.362	ug/l	100
12) 1,1-Dichloroethene	3.787	96	122422	48.991	ug/l	100
13) Acrolein	3.647	56	75366	246.189	ug/l	100
14) Allyl chloride	4.385	41	199515	50.077	ug/l	100
15) Acrylonitrile	5.061	53	144175	252.430	ug/l	100
16) Acetone	3.872	43	127702	241.737	ug/l	100
17) Carbon Disulfide	4.104	76	404128	49.101	ug/l	100
18) Methyl Acetate	4.385	43	63249	48.309	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	315679	50.742	ug/l	100
20) Methylene Chloride	4.616	84	134344	52.136	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	135112	49.108	ug/l	100
22) Diisopropyl ether	6.018	45	428881	51.315	ug/l	100
23) Vinyl Acetate	5.957	43	1269853	259.718	ug/l	100
24) 1,1-Dichloroethane	5.915	63	247826	49.589	ug/l	100
25) 2-Butanone	6.896	43	189416	251.037	ug/l	100
26) 2,2-Dichloropropane	6.884	77	219131	49.293	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	155365	50.214	ug/l	100
28) Bromochloromethane	7.244	49	101413	48.116	ug/l	100
29) Tetrahydrofuran	7.262	42	125387	258.206	ug/l	100
30) Chloroform	7.421	83	257511	49.541	ug/l	100
31) Cyclohexane	7.701	56	218689	48.004	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	230441	49.051	ug/l	100
36) 1,1-Dichloropropene	7.835	75	185559	50.763	ug/l	100
37) Ethyl Acetate	6.988	43	87321	50.617	ug/l	100
38) Carbon Tetrachloride	7.823	117	208537	49.810	ug/l	100
39) Methylcyclohexane	9.109	83	229134	52.472	ug/l	100
40) Benzene	8.079	78	554462	50.649	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	50658m	55.298	ug/l	
42) 1,2-Dichloroethane	8.158	62	155365	50.343	ug/l	100
43) Isopropyl Acetate	8.195	43	166982	51.076	ug/l	100
44) Trichloroethene	8.865	130	138449	49.637	ug/l	100
45) 1,2-Dichloropropane	9.140	63	130586	50.395	ug/l	100
46) Dibromomethane	9.231	93	73435	49.174	ug/l	100
47) Bromodichloromethane	9.420	83	194399	50.237	ug/l	100
48) Methyl methacrylate	9.219	41	77877	51.902	ug/l	100
49) 1,4-Dioxane	9.225	88	16481	1030.192	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	445564	261.893	ug/l	100
52) Toluene	10.170	92	351715	51.496	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	179747	52.296	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	209143	51.579	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96578	50.254	ug/l	100
56) Ethyl methacrylate	10.438	69	135272	55.124	ug/l	100
57) 1,3-Dichloropropane	10.719	76	170109	51.252	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	332369	277.643	ug/l	100
59) 2-Hexanone	10.761	43	302538	267.012	ug/l	100
60) Dibromochloromethane	10.908	129	134696	51.334	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93866	52.067	ug/l	100
64) Tetrachloroethene	10.646	164	147971	49.288	ug/l	100
65) Chlorobenzene	11.444	112	380661	50.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135660	50.602	ug/l	100
67) Ethyl Benzene	11.517	91	676205	52.188	ug/l	100
68) m/p-Xylenes	11.627	106	519154	104.634	ug/l	100
69) o-Xylene	11.956	106	243359	53.135	ug/l	100
70) Styrene	11.969	104	406215	53.195	ug/l	100
71) Bromoform	12.133	173	78206	51.140	ug/l	100
73) Isopropylbenzene	12.255	105	642393	51.505	ug/l	100
74) N-amyl acetate	12.072	43	154054	52.630	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	110292	49.185	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	83656m	50.257	ug/l	
77) Bromobenzene	12.529	156	149323	49.864	ug/l	100
78) n-propylbenzene	12.596	91	775252	51.702	ug/l	100
79) 2-Chlorotoluene	12.682	91	444178	51.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	528425	51.839	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	37240	51.550	ug/l	100
82) 4-Chlorotoluene	12.779	91	463024	50.995	ug/l	100
83) tert-Butylbenzene	12.999	119	467961	51.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	526387	52.248	ug/l	100
85) sec-Butylbenzene	13.176	105	687573	51.820	ug/l	100
86) p-Isopropyltoluene	13.291	119	576012	52.525	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	293534	49.752	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	292315	50.147	ug/l	100
89) n-Butylbenzene	13.615	91	532897	52.544	ug/l	100
90) Hexachloroethane	13.877	117	118708	49.396	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255877	49.821	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17123	49.268	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	147434	52.935	ug/l	100
94) Hexachlorobutadiene	15.023	225	88090	50.642	ug/l	100
95) Naphthalene	15.145	128	253209	54.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	125294	52.754	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 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

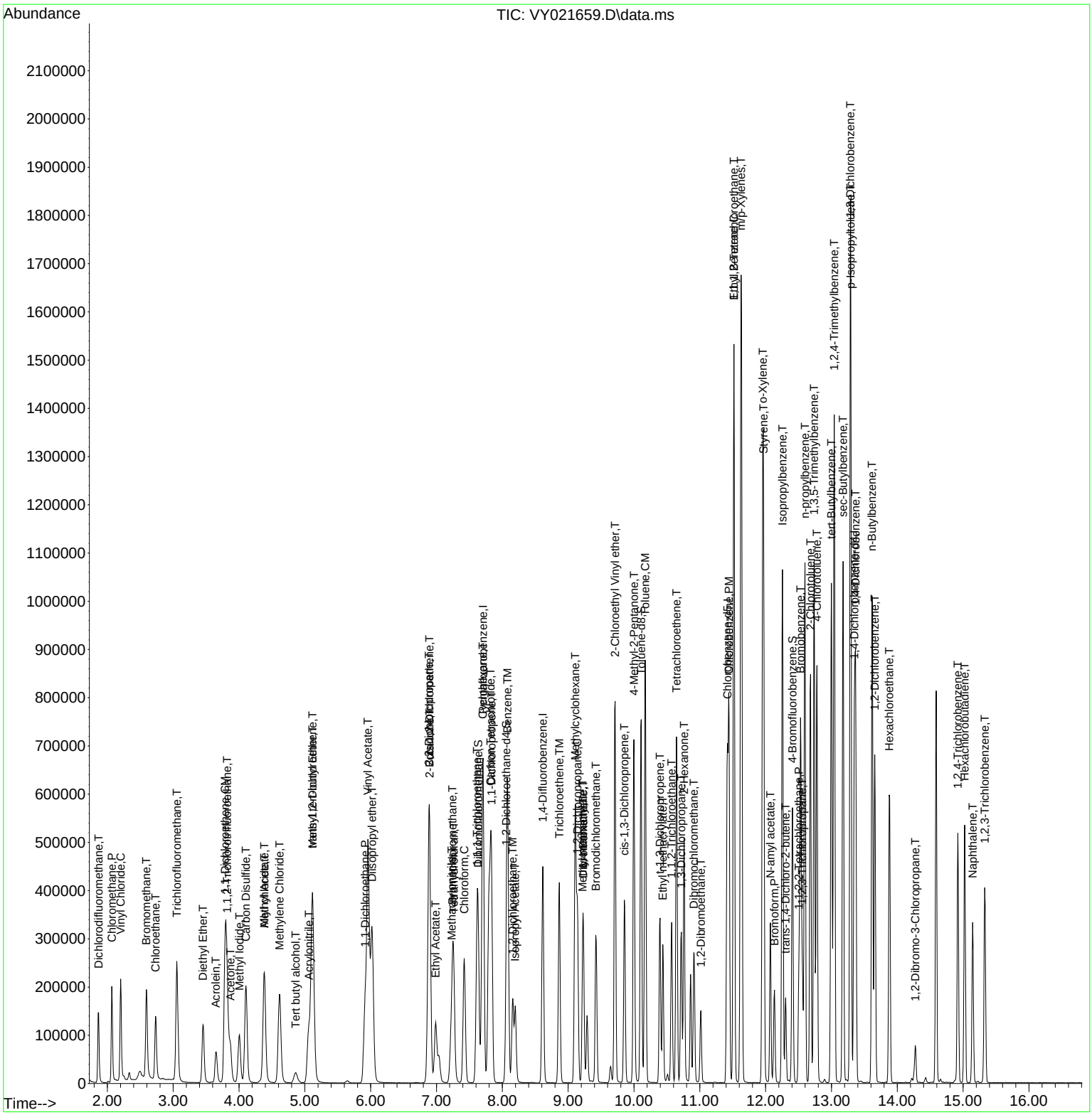
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	248041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	252968	94.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 188.260%#			
35) Dibromofluoromethane	7.634	113	247380	100.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 200.360%#			
50) Toluene-d8	10.103	98	953346	101.480	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 202.960%#			
62) 4-Bromofluorobenzene	12.408	95	322469	101.481	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 202.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	240555	93.569	ug/l	100
3) Chloromethane	2.068	50	333313	92.202	ug/l	100
4) Vinyl Chloride	2.202	62	375853	91.934	ug/l	100
5) Bromomethane	2.586	94	245057	87.885	ug/l	97
6) Chloroethane	2.733	64	242934	90.810	ug/l	97
7) Trichlorofluoromethane	3.056	101	479554	91.568	ug/l	97
8) Diethyl Ether	3.452	74	127148	89.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	252877	91.550	ug/l	100
10) Methyl Iodide	4.001	142	313241	103.371	ug/l	99
11) Tert butyl alcohol	4.854	59	72464	415.131	ug/l	97
12) 1,1-Dichloroethene	3.787	96	245873	94.504	ug/l	98
13) Acrolein	3.647	56	145527	456.581	ug/l	99
14) Allyl chloride	4.379	41	403587	97.292	ug/l	99
15) Acrylonitrile	5.061	53	269979	454.005	ug/l	99
16) Acetone	3.867	43	215263	391.376	ug/l	98
17) Carbon Disulfide	4.104	76	805100	93.952	ug/l	98
18) Methyl Acetate	4.379	43	120373	88.304	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	622864	96.160	ug/l	100
20) Methylene Chloride	4.616	84	257053	99.325	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	273524	95.485	ug/l	98
22) Diisopropyl ether	6.019	45	855783	98.345	ug/l	97
23) Vinyl Acetate	5.958	43	2490861	489.304	ug/l	99
24) 1,1-Dichloroethane	5.915	63	492205	94.595	ug/l	99
25) 2-Butanone	6.890	43	348017	442.999	ug/l	99
26) 2,2-Dichloropropane	6.884	77	439519	94.960	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	312849	97.115	ug/l	100
28) Bromochloromethane	7.244	49	208162	94.860	ug/l	99
29) Tetrahydrofuran	7.262	42	231439	457.752	ug/l	98
30) Chloroform	7.421	83	509194	94.087	ug/l	98
31) Cyclohexane	7.701	56	439720	92.706	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	460680	94.182	ug/l	99
36) 1,1-Dichloropropene	7.835	75	368741	98.035	ug/l	99
37) Ethyl Acetate	6.982	43	160700	90.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	416779	96.746	ug/l	99
39) Methylcyclohexane	9.110	83	465789	103.663	ug/l	98
40) Benzene	8.079	78	1100425	97.692	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	86888	92.176	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	298349	93.952	ug/l		100
43) Isopropyl Acetate	8.195	43	320092	95.153	ug/l		99
44) Trichloroethene	8.866	130	278937	97.190	ug/l		99
45) 1,2-Dichloropropane	9.140	63	259066	97.163	ug/l		99
46) Dibromomethane	9.231	93	145186	94.482	ug/l		97
47) Bromodichloromethane	9.420	83	386864	97.159	ug/l		99
48) Methyl methacrylate	9.219	41	157046	101.718	ug/l		98
49) 1,4-Dioxane	9.225	88	31647	1922.485	ug/l		92
51) 4-Methyl-2-Pentanone	10.000	43	846126	483.331	ug/l		100
52) Toluene	10.170	92	706197	100.486	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	361283	102.153	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	418099	100.208	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	187977	95.058	ug/l		97
56) Ethyl methacrylate	10.439	69	271036	107.339	ug/l		98
57) 1,3-Dichloropropane	10.719	76	329063	96.352	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	657953	534.142	ug/l		100
59) 2-Hexanone	10.762	43	565086	484.686	ug/l		99
60) Dibromochloromethane	10.908	129	265151	98.207	ug/l		100
61) 1,2-Dibromoethane	11.012	107	177158	95.501	ug/l		98
64) Tetrachloroethene	10.646	164	279279	90.401	ug/l		98
65) Chlorobenzene	11.438	112	757197	97.381	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	271119	98.275	ug/l		100
67) Ethyl Benzene	11.518	91	1372249	102.918	ug/l		100
68) m/p-Xylenes	11.627	106	1050156	205.681	ug/l		99
69) o-Xylene	11.957	106	491895	104.369	ug/l		98
70) Styrene	11.969	104	833734	106.098	ug/l		99
71) Bromoform	12.133	173	152683	97.024	ug/l		100
73) Isopropylbenzene	12.255	105	1298221	103.486	ug/l		100
74) N-amyl acetate	12.072	43	303328	103.027	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	209094	92.706	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	152979m	91.372	ug/l		
77) Bromobenzene	12.530	156	299163	99.323	ug/l		98
78) n-propylbenzene	12.597	91	1557825	103.290	ug/l		100
79) 2-Chlorotoluene	12.676	91	879334	100.382	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1060963	103.480	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	71448	98.330	ug/l		99
82) 4-Chlorotoluene	12.780	91	910295	99.676	ug/l		99
83) tert-Butylbenzene	12.999	119	956705	104.762	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1052663	103.880	ug/l		100
85) sec-Butylbenzene	13.176	105	1369601	102.624	ug/l		100
86) p-Isopropyltoluene	13.292	119	1163796	105.509	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	583838	98.384	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	565293	96.416	ug/l		99
89) n-Butylbenzene	13.615	91	1069356	104.828	ug/l		100
90) Hexachloroethane	13.877	117	239487	99.078	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	502045	97.186	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32558	93.136	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	293988	104.943	ug/l		99
94) Hexachlorobutadiene	15.023	225	172909	98.829	ug/l		99
95) Naphthalene	15.145	128	508449	109.498	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	248821	104.158	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 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

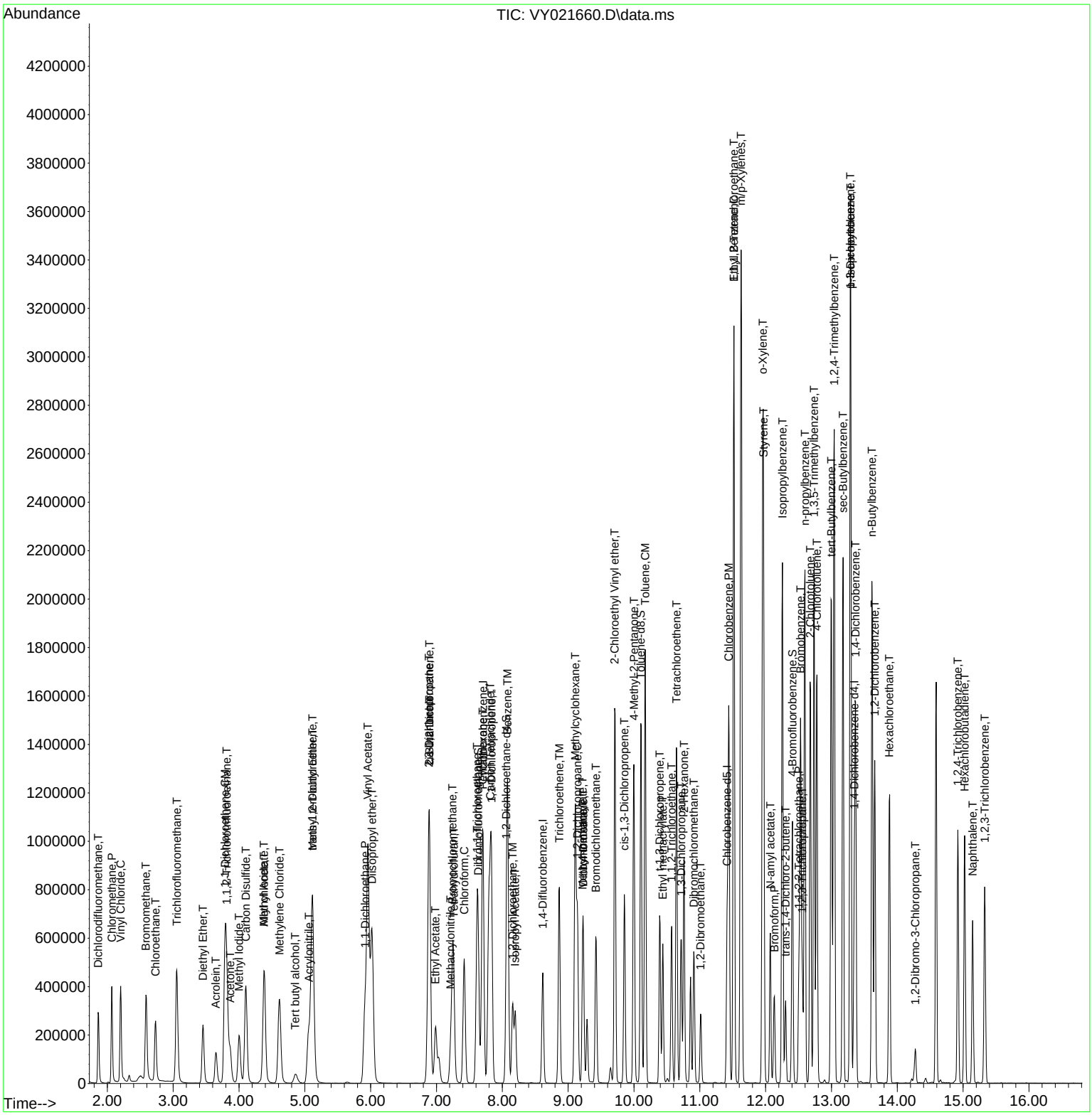
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	259676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	177289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	404952	143.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 287.860%#			
35) Dibromofluoromethane	7.634	113	387439	144.862	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.720%#			
50) Toluene-d8	10.109	98	1485725	146.020	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 292.040%#			
62) 4-Bromofluorobenzene	12.408	95	503406	146.271	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 292.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	348314	129.414	ug/l	99
3) Chloromethane	2.068	50	501654	132.551	ug/l	100
4) Vinyl Chloride	2.202	62	555909	129.884	ug/l	99
5) Bromomethane	2.580	94	394188	135.035	ug/l	99
6) Chloroethane	2.727	64	370633	132.337	ug/l	98
7) Trichlorofluoromethane	3.050	101	712314	129.919	ug/l	99
8) Diethyl Ether	3.452	74	206844	138.727	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	368788	127.532	ug/l	99
10) Methyl Iodide	4.001	142	483364	152.366	ug/l	99
11) Tert butyl alcohol	4.860	59	126577	692.642	ug/l	97
12) 1,1-Dichloroethene	3.787	96	371412	136.361	ug/l	97
13) Acrolein	3.647	56	236449	708.604	ug/l	99
14) Allyl chloride	4.379	41	623865	143.656	ug/l	100
15) Acrylonitrile	5.055	53	439757	706.375	ug/l	99
16) Acetone	3.867	43	395370	686.626	ug/l	99
17) Carbon Disulfide	4.104	76	1209296	134.797	ug/l	99
18) Methyl Acetate	4.379	43	199951	140.110	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1006156	148.374	ug/l	98
20) Methylene Chloride	4.616	84	400434	149.840	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	417906	139.351	ug/l	98
22) Diisopropyl ether	6.019	45	1325167	145.463	ug/l	98
23) Vinyl Acetate	5.958	43	3993494	749.332	ug/l	99
24) 1,1-Dichloroethane	5.915	63	753930	138.403	ug/l	100
25) 2-Butanone	6.890	43	603028	733.215	ug/l	99
26) 2,2-Dichloropropane	6.884	77	678134	139.949	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	490349	145.395	ug/l	99
28) Bromochloromethane	7.244	49	313542	136.480	ug/l	99
29) Tetrahydrofuran	7.262	42	379413	716.799	ug/l	98
30) Chloroform	7.421	83	779319	137.548	ug/l	98
31) Cyclohexane	7.701	56	637533	128.388	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	696016	135.918	ug/l	99
36) 1,1-Dichloropropene	7.835	75	556974	136.722	ug/l	99
37) Ethyl Acetate	6.982	43	259188	134.812	ug/l	100
38) Carbon Tetrachloride	7.817	117	627331	134.452	ug/l	98
39) Methylcyclohexane	9.110	83	679694	139.666	ug/l	99
40) Benzene	8.079	78	1695962	139.014	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	143387	140.447	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	468317	136.165	ug/l		100
43) Isopropyl Acetate	8.195	43	527316	144.731	ug/l	#	87
44) Trichloroethene	8.866	130	430629	138.536	ug/l		99
45) 1,2-Dichloropropane	9.140	63	401955	139.191	ug/l		99
46) Dibromomethane	9.231	93	228287	137.167	ug/l		98
47) Bromodichloromethane	9.420	83	598421	138.764	ug/l		98
48) Methyl methacrylate	9.219	41	251339	150.306	ug/l		99
49) 1,4-Dioxane	9.225	88	53338	2991.658	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	1397678	737.160	ug/l		100
52) Toluene	10.170	92	1094229	143.758	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	570388	148.908	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	660476	146.159	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	296412	138.396	ug/l		99
56) Ethyl methacrylate	10.439	69	443517	162.176	ug/l		98
57) 1,3-Dichloropropane	10.719	76	517706	139.961	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1061779	795.867	ug/l		100
59) 2-Hexanone	10.762	43	955051	756.341	ug/l		99
60) Dibromochloromethane	10.908	129	417230	142.682	ug/l		99
61) 1,2-Dibromoethane	11.018	107	283453	141.082	ug/l		98
64) Tetrachloroethene	10.646	164	421368	125.966	ug/l		98
65) Chlorobenzene	11.444	112	1182770	140.483	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	420924	140.910	ug/l		100
67) Ethyl Benzene	11.518	91	2131884	147.665	ug/l		100
68) m/p-Xylenes	11.627	106	1610305	291.277	ug/l		100
69) o-Xylene	11.957	106	764721	149.852	ug/l		98
70) Styrene	11.969	104	1300778	152.877	ug/l		99
71) Bromoform	12.133	173	244045	143.224	ug/l	#	99
73) Isopropylbenzene	12.255	105	1969094	149.537	ug/l		99
74) N-amyl acetate	12.072	43	498903	161.437	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	335483	141.706	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	249855m	142.174	ug/l		
77) Bromobenzene	12.530	156	461221	145.881	ug/l		99
78) n-propylbenzene	12.597	91	2344286	148.082	ug/l		100
79) 2-Chlorotoluene	12.682	91	1343328	146.095	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1607812	149.397	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	119086	156.137	ug/l		99
82) 4-Chlorotoluene	12.780	91	1386233	144.608	ug/l		100
83) tert-Butylbenzene	12.999	119	1444053	150.647	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1616812	152.003	ug/l		100
85) sec-Butylbenzene	13.176	105	2052157	146.493	ug/l		99
86) p-Isopropyltoluene	13.292	119	1769866	152.863	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	898070	144.177	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	864599	140.489	ug/l		99
89) n-Butylbenzene	13.615	91	1609064	150.273	ug/l		99
90) Hexachloroethane	13.883	117	363244	143.167	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	779021	143.668	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	54066	147.345	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	472845	160.803	ug/l		99
94) Hexachlorobutadiene	15.023	225	261678	142.491	ug/l		98
95) Naphthalene	15.145	128	859499	176.342	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	400315	159.646	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 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

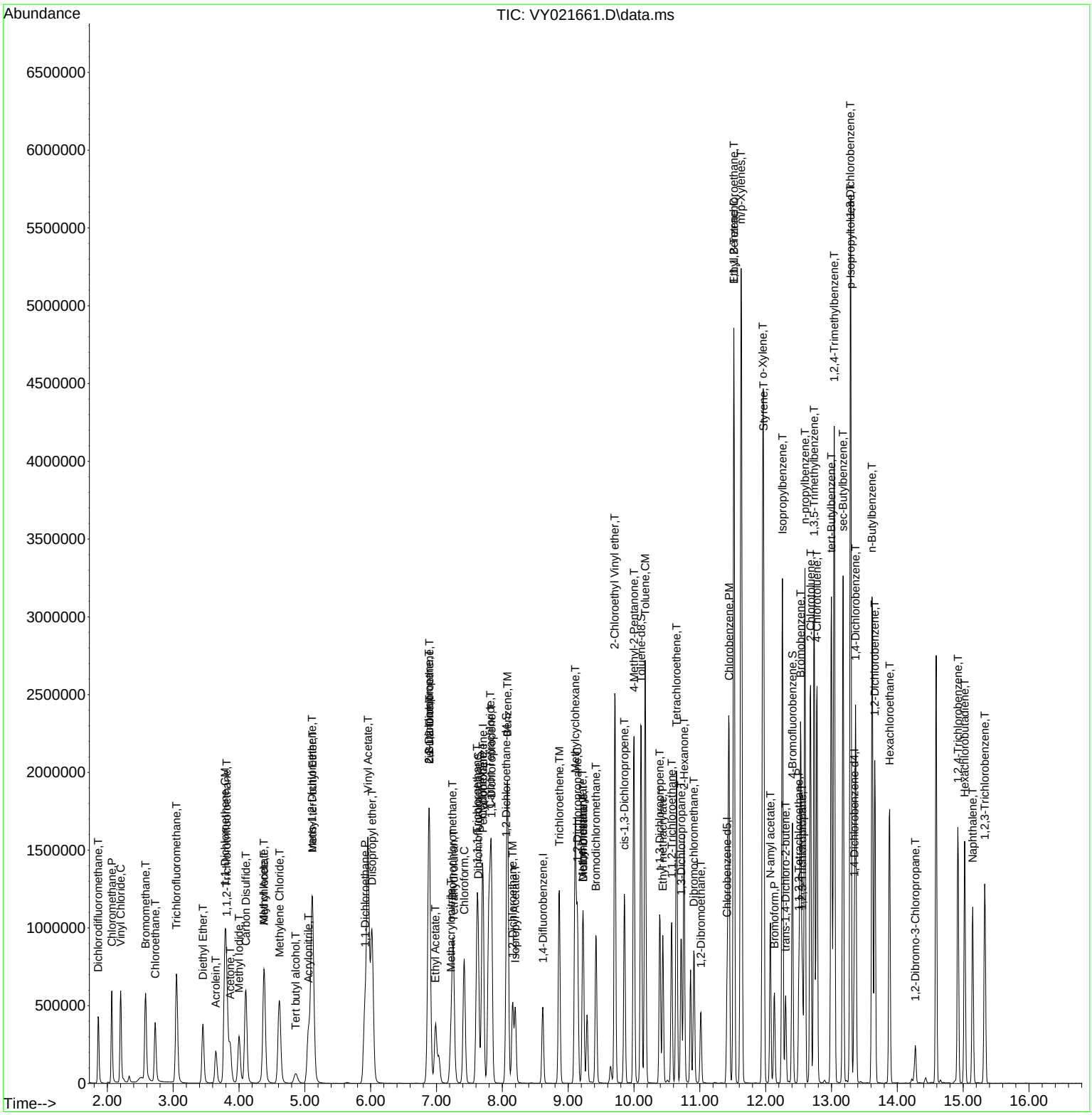
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	241281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	378246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	335061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137385	52.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.634	113	133092	54.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.480%			
50) Toluene-d8	10.109	98	514482	55.117	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.407	95	174721	55.339	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	121620	48.632	ug/l	99
3) Chloromethane	2.068	50	178572	50.781	ug/l	99
4) Vinyl Chloride	2.202	62	193909	48.759	ug/l	99
5) Bromomethane	2.592	94	133650	49.274	ug/l	99
6) Chloroethane	2.732	64	131646	50.589	ug/l	98
7) Trichlorofluoromethane	3.055	101	264850	51.989	ug/l	96
8) Diethyl Ether	3.458	74	71773	51.807	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	129542	48.213	ug/l	97
10) Methyl Iodide	4.006	142	144020	48.859	ug/l	99
11) Tert butyl alcohol	4.860	59	40598	239.093	ug/l	98
12) 1,1-Dichloroethene	3.787	96	123904	48.958	ug/l	99
13) Acrolein	3.653	56	77430	249.738	ug/l	100
14) Allyl chloride	4.384	41	203289	50.380	ug/l	99
15) Acrylonitrile	5.061	53	142349	246.085	ug/l	99
16) Acetone	3.866	43	125654	234.856	ug/l	99
17) Carbon Disulfide	4.104	76	412021	49.428	ug/l	99
18) Methyl Acetate	4.384	43	64580	48.703	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	318579	50.561	ug/l	97
20) Methylene Chloride	4.616	84	139443	53.536	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	139842	50.186	ug/l	95
22) Diisopropyl ether	6.018	45	434011	51.273	ug/l	98
23) Vinyl Acetate	5.957	43	1270842	256.638	ug/l	98
24) 1,1-Dichloroethane	5.915	63	253080	50.001	ug/l	99
25) 2-Butanone	6.890	43	184108	240.921	ug/l	99
26) 2,2-Dichloropropane	6.884	77	221076	49.103	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	159206	50.806	ug/l	99
28) Bromochloromethane	7.244	49	107500	50.360	ug/l	98
29) Tetrahydrofuran	7.262	42	121613	247.271	ug/l	99
30) Chloroform	7.420	83	260540	49.490	ug/l	100
31) Cyclohexane	7.701	56	220748	47.844	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	234663	49.319	ug/l	99
36) 1,1-Dichloropropene	7.835	75	188082	50.326	ug/l	100
37) Ethyl Acetate	6.981	43	86681	49.145	ug/l	99
38) Carbon Tetrachloride	7.817	117	213223	49.814	ug/l	99
39) Methylcyclohexane	9.109	83	231457	51.843	ug/l	96
40) Benzene	8.079	78	566027	50.574	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	44469	47.475	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	156359	49.556	ug/l		99
43) Isopropyl Acetate	8.195	43	167476	50.106	ug/l	#	87
44) Trichloroethene	8.865	130	142392	49.933	ug/l		98
45) 1,2-Dichloropropane	9.140	63	132882	50.158	ug/l		95
46) Dibromomethane	9.231	93	76421	50.052	ug/l		98
47) Bromodichloromethane	9.426	83	199912	50.530	ug/l		99
48) Methyl methacrylate	9.219	41	79887	52.076	ug/l		98
49) 1,4-Dioxane	9.225	88	16464	1006.593	ug/l		90
51) 4-Methyl-2-Pentanone	9.999	43	439879	252.890	ug/l		100
52) Toluene	10.170	92	360002	51.555	ug/l		99
53) t-1,3-Dichloropropene	10.395	75	179752	51.152	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	212066	51.154	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	97567	49.656	ug/l		99
56) Ethyl methacrylate	10.438	69	136411	54.371	ug/l		98
57) 1,3-Dichloropropane	10.719	76	171579	50.563	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	338673	276.714	ug/l		99
59) 2-Hexanone	10.761	43	295472	255.065	ug/l		99
60) Dibromochloromethane	10.914	129	135955	50.679	ug/l		100
61) 1,2-Dibromoethane	11.017	107	93947	50.970	ug/l		99
64) Tetrachloroethene	10.645	164	145736	47.757	ug/l		98
65) Chlorobenzene	11.444	112	386987	50.384	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	138442	50.802	ug/l		99
67) Ethyl Benzene	11.517	91	689434	52.346	ug/l		100
68) m/p-Xylenes	11.627	106	531589	105.402	ug/l		100
69) o-Xylene	11.956	106	247091	53.075	ug/l		99
70) Styrene	11.968	104	416261	53.627	ug/l		99
71) Bromoform	12.133	173	78932	50.778	ug/l	#	99
73) Isopropylbenzene	12.255	105	653541	52.705	ug/l		100
74) N-amyl acetate	12.072	43	152268	52.323	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	109833	49.266	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	70644m	42.688	ug/l		
77) Bromobenzene	12.535	156	152211	51.125	ug/l		99
78) n-propylbenzene	12.596	91	792814	53.182	ug/l		100
79) 2-Chlorotoluene	12.682	91	447402	51.671	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	539512	53.236	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	35543	49.488	ug/l		97
82) 4-Chlorotoluene	12.779	91	469122	51.969	ug/l		100
83) tert-Butylbenzene	12.999	119	474947	52.616	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	535411	53.454	ug/l		100
85) sec-Butylbenzene	13.175	105	692180	52.471	ug/l		100
86) p-Isopropyltoluene	13.291	119	583069	53.479	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	299075	50.987	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	288264	49.741	ug/l		99
89) n-Butylbenzene	13.621	91	533666	52.927	ug/l		100
90) Hexachloroethane	13.883	117	120546	50.454	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	257071	50.346	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	16750	48.476	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	142409	51.429	ug/l		100
94) Hexachlorobutadiene	15.029	225	86891	50.245	ug/l		96
95) Naphthalene	15.145	128	237561	51.759	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	119575	50.640	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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\VY032725\
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Instrument :
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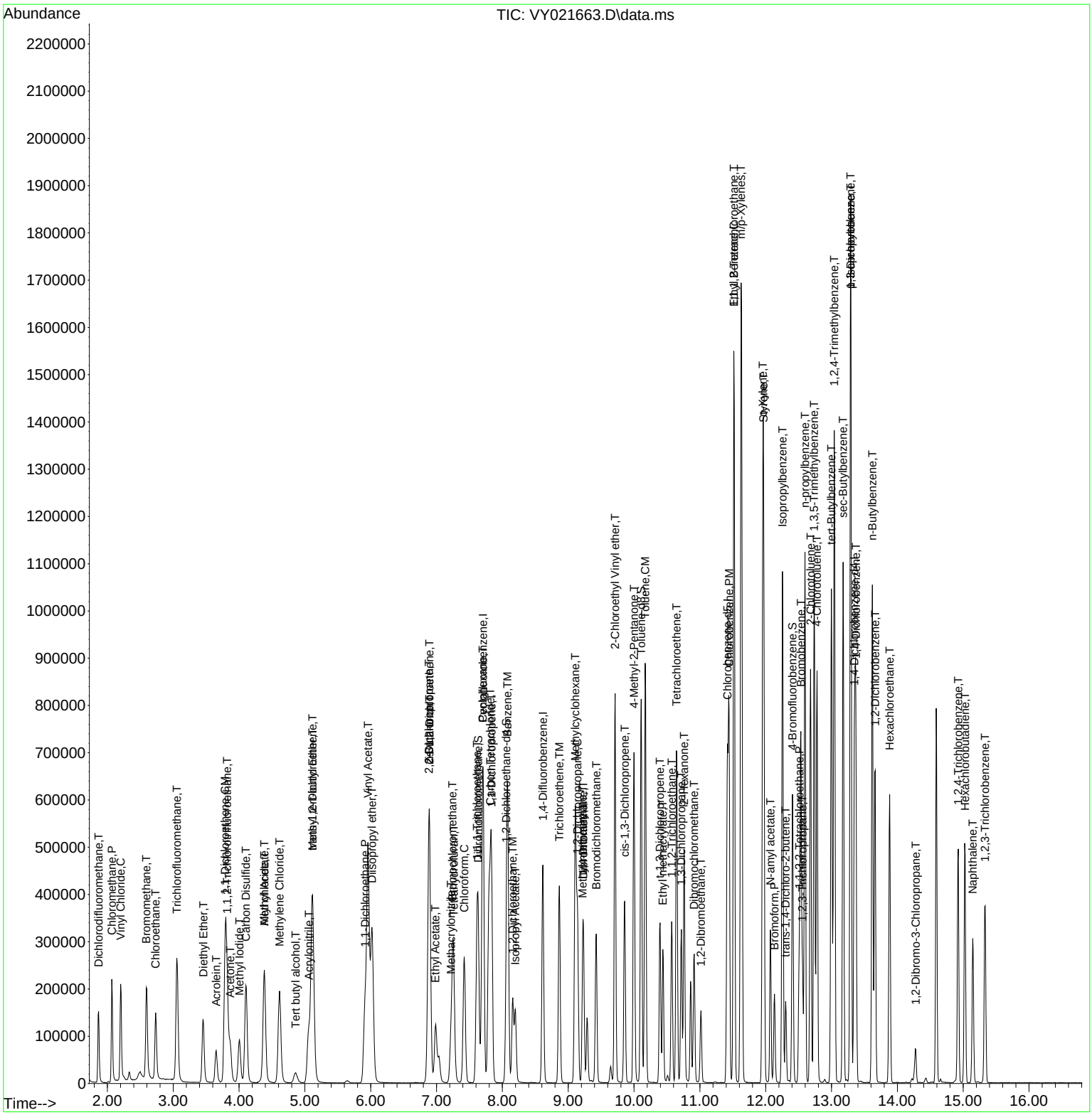
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
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Quant Time: Mar 28 03:48:52 2025
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.518	0.504	2.7	101	0.00
3	P	Chloromethane	0.729	0.740	-1.5	108	0.00
4	C	Vinyl Chloride	0.824	0.804	2.4#	102	0.00
5	T	Bromomethane	0.562	0.554	1.4	109	0.00
6	T	Chloroethane	0.539	0.546	-1.3	108	0.00
7	T	Trichlorofluoromethane	1.056	1.098	-4.0	110	0.00
8	T	Diethyl Ether	0.287	0.297	-3.5	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.537	3.6	101	0.00
10	T	Methyl Iodide	0.611	0.597	2.3	92	0.00
11	T	Tert butyl alcohol	0.035	0.034	2.9	101	0.00
12	CM	1,1-Dichloroethene	0.524	0.514	1.9#	101	0.00
13	T	Acrolein	0.064	0.064	0.0	103	0.00
14	T	Allyl chloride	0.836	0.843	-0.8	102	0.00
15	T	Acrylonitrile	0.120	0.118	1.7	99	0.00
16	T	Acetone	0.111	0.104	6.3	98	0.00
17	T	Carbon Disulfide	1.727	1.708	1.1	102	0.00
18	T	Methyl Acetate	0.275	0.268	2.5	102	0.00
19	T	Methyl tert-butyl Ether	1.306	1.320	-1.1	101	0.00
20	T	Methylene Chloride	0.626	0.578	7.7	104	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.580	-0.5	104	0.00
22	T	Diisopropyl ether	1.754	1.799	-2.6	101	0.00
23	T	Vinyl Acetate	1.026	1.053	-2.6	100	0.00
24	P	1,1-Dichloroethane	1.049	1.049	0.0	102	0.00
25	T	2-Butanone	0.158	0.153	3.2	97	0.00
26	T	2,2-Dichloropropane	0.933	0.916	1.8	101	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.660	-1.7	102	0.00
28	T	Bromochloromethane	0.442	0.446	-0.9	106	0.00
29	T	Tetrahydrofuran	0.102	0.101	1.0	97	0.00
30	C	Chloroform	1.091	1.080	1.0#	101	0.00
31	T	Cyclohexane	0.956	0.915	4.3	101	0.00
32	T	1,1,1-Trichloroethane	0.986	0.973	1.3	102	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.569	-5.0	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.324	0.352	-8.6	106	0.00
36	T	1,1-Dichloropropene	0.494	0.497	-0.6	101	0.00
37	T	Ethyl Acetate	0.233	0.229	1.7	99	0.00
38	T	Carbon Tetrachloride	0.566	0.564	0.4	102	0.00
39	T	Methylcyclohexane	0.590	0.612	-3.7	101	0.00
40	TM	Benzene	1.479	1.496	-1.1	102	0.00
41	T	Methacrylonitrile	0.124	0.118	4.8	88	-0.01
42	TM	1,2-Dichloroethane	0.417	0.413	1.0	101	0.00
43	T	Isopropyl Acetate	0.442	0.443	-0.2	100	0.00
44	TM	Trichloroethene	0.377	0.376	0.3	103	0.00
45	C	1,2-Dichloropropane	0.350	0.351	-0.3#	102	0.00
46	T	Dibromomethane	0.202	0.202	0.0	104	0.00
47	T	Bromodichloromethane	0.523	0.529	-1.1	103	0.00
48	T	Methyl methacrylate	0.203	0.211	-3.9	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	100	0.00
50	S	Toluene-d8	1.234	1.360	-10.2	107	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.233	-1.3	99	0.00
52	CM	Toluene	0.923	0.952	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	0.465	0.475	-2.2	100	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.561	-2.4	101	0.00
55	T	1,1,2-Trichloroethane	0.260	0.258	0.8	101	0.00
56	T	Ethyl methacrylate	0.332	0.361	-8.7	101	0.00
57	T	1,3-Dichloropropane	0.449	0.454	-1.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.179	-10.5	102	0.00
59	T	2-Hexanone	0.153	0.156	-2.0	98	0.00
60	T	Dibromochloromethane	0.355	0.359	-1.1	101	0.00
61	T	1,2-Dibromoethane	0.244	0.248	-1.6	100	0.00
62	S	4-Bromofluorobenzene	0.417	0.462	-10.8	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.455	0.435	4.4	98	0.00
65	PM	Chlorobenzene	1.146	1.155	-0.8	102	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.413	-1.5	102	0.00
67	C	Ethyl Benzene	1.965	2.058	-4.7#	102	0.00
68	T	m/p-Xylenes	0.753	0.793	-5.3	102	0.00
69	T	o-Xylene	0.695	0.737	-6.0	102	0.00
70	T	Styrene	1.158	1.242	-7.3	102	0.00
71	P	Bromoform	0.232	0.236	-1.7	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.714	3.915	-5.4	102	0.00
74	T	N-amyl acetate	0.872	0.912	-4.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.658	1.5	100	0.00
76	T	1,2,3-Trichloropropane	0.496	0.423	14.7	84	0.00
77	T	Bromobenzene	0.892	0.912	-2.2	102	0.00
78	T	n-propylbenzene	4.465	4.749	-6.4	102	0.00
79	T	2-Chlorotoluene	2.593	2.680	-3.4	101	0.00
80	T	1,3,5-Trimethylbenzene	3.035	3.232	-6.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.213	0.9	95	0.00
82	T	4-Chlorotoluene	2.704	2.810	-3.9	101	0.00
83	T	tert-Butylbenzene	2.703	2.845	-5.3	101	0.00
84	T	1,2,4-Trimethylbenzene	3.000	3.207	-6.9	102	0.00
85	T	sec-Butylbenzene	3.951	4.146	-4.9	101	0.00
86	T	p-Isopropyltoluene	3.265	3.492	-7.0	101	0.00
87	T	1,3-Dichlorobenzene	1.757	1.791	-1.9	102	0.00
88	T	1,4-Dichlorobenzene	1.736	1.727	0.5	99	0.00
89	T	n-Butylbenzene	3.020	3.197	-5.9	100	0.00
90	T	Hexachloroethane	0.716	0.722	-0.8	102	0.00
91	T	1,2-Dichlorobenzene	1.529	1.540	-0.7	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.100	2.9	98	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.853	-2.9	97	0.00
94	T	Hexachlorobutadiene	0.518	0.520	-0.4	99	0.00
95	T	Naphthalene	1.375	1.423	-3.5	94	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.716	-1.3	95	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\VY032725\
Data File : VY021663.D
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Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
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Quant Title : SW846 8260
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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	48.632	2.7	101	0.00
3	P	Chloromethane	50.000	50.781	-1.6	108	0.00
4	C	Vinyl Chloride	50.000	48.759	2.5#	102	0.00
5	T	Bromomethane	50.000	49.274	1.5	109	0.00
6	T	Chloroethane	50.000	50.589	-1.2	108	0.00
7	T	Trichlorofluoromethane	50.000	51.989	-4.0	110	0.00
8	T	Diethyl Ether	50.000	51.807	-3.6	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.213	3.6	101	0.00
10	T	Methyl Iodide	50.000	48.859	2.3	92	0.00
11	T	Tert butyl alcohol	250.000	239.093	4.4	101	0.00
12	CM	1,1-Dichloroethene	50.000	48.958	2.1#	101	0.00
13	T	Acrolein	250.000	249.738	0.1	103	0.00
14	T	Allyl chloride	50.000	50.380	-0.8	102	0.00
15	T	Acrylonitrile	250.000	246.085	1.6	99	0.00
16	T	Acetone	250.000	234.856	6.1	98	0.00
17	T	Carbon Disulfide	50.000	49.428	1.1	102	0.00
18	T	Methyl Acetate	50.000	48.703	2.6	102	0.00
19	T	Methyl tert-butyl Ether	50.000	50.561	-1.1	101	0.00
20	T	Methylene Chloride	50.000	53.536	-7.1	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.186	-0.4	104	0.00
22	T	Diisopropyl ether	50.000	51.273	-2.5	101	0.00
23	T	Vinyl Acetate	250.000	256.638	-2.7	100	0.00
24	P	1,1-Dichloroethane	50.000	50.001	-0.0	102	0.00
25	T	2-Butanone	250.000	240.921	3.6	97	0.00
26	T	2,2-Dichloropropane	50.000	49.103	1.8	101	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.806	-1.6	102	0.00
28	T	Bromochloromethane	50.000	50.360	-0.7	106	0.00
29	T	Tetrahydrofuran	250.000	247.271	1.1	97	0.00
30	C	Chloroform	50.000	49.490	1.0#	101	0.00
31	T	Cyclohexane	50.000	47.844	4.3	101	0.00
32	T	1,1,1-Trichloroethane	50.000	49.319	1.4	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.553	-5.1	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	54.243	-8.5	106	0.00
36	T	1,1-Dichloropropene	50.000	50.326	-0.7	101	0.00
37	T	Ethyl Acetate	50.000	49.145	1.7	99	0.00
38	T	Carbon Tetrachloride	50.000	49.814	0.4	102	0.00
39	T	Methylcyclohexane	50.000	51.843	-3.7	101	0.00
40	TM	Benzene	50.000	50.574	-1.1	102	0.00
41	T	Methacrylonitrile	50.000	47.475	5.0	88	-0.01
42	TM	1,2-Dichloroethane	50.000	49.556	0.9	101	0.00
43	T	Isopropyl Acetate	50.000	50.106	-0.2	100	0.00
44	TM	Trichloroethene	50.000	49.933	0.1	103	0.00
45	C	1,2-Dichloropropane	50.000	50.158	-0.3#	102	0.00
46	T	Dibromomethane	50.000	50.052	-0.1	104	0.00
47	T	Bromodichloromethane	50.000	50.530	-1.1	103	0.00
48	T	Methyl methacrylate	50.000	52.076	-4.2	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	1006.593	-0.7	100	0.00
50	S	Toluene-d8	50.000	55.117	-10.2	107	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.890	-1.2	99	0.00
52	CM	Toluene	50.000	51.555	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	51.152	-2.3	100	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.154	-2.3	101	0.00
55	T	1,1,2-Trichloroethane	50.000	49.656	0.7	101	0.00
56	T	Ethyl methacrylate	50.000	54.371	-8.7	101	0.00
57	T	1,3-Dichloropropane	50.000	50.563	-1.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	276.714	-10.7	102	0.00
59	T	2-Hexanone	250.000	255.065	-2.0	98	0.00
60	T	Dibromochloromethane	50.000	50.679	-1.4	101	0.00
61	T	1,2-Dibromoethane	50.000	50.970	-1.9	100	0.00
62	S	4-Bromofluorobenzene	50.000	55.339	-10.7	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	47.757	4.5	98	0.00
65	PM	Chlorobenzene	50.000	50.384	-0.8	102	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.802	-1.6	102	0.00
67	C	Ethyl Benzene	50.000	52.346	-4.7#	102	0.00
68	T	m/p-Xylenes	100.000	105.402	-5.4	102	0.00
69	T	o-Xylene	50.000	53.075	-6.2	102	0.00
70	T	Styrene	50.000	53.627	-7.3	102	0.00
71	P	Bromoform	50.000	50.778	-1.6	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	52.705	-5.4	102	0.00
74	T	N-amyl acetate	50.000	52.323	-4.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.266	1.5	100	0.00
76	T	1,2,3-Trichloropropane	50.000	42.688	14.6	84	0.00
77	T	Bromobenzene	50.000	51.125	-2.3	102	0.00
78	T	n-propylbenzene	50.000	53.182	-6.4	102	0.00
79	T	2-Chlorotoluene	50.000	51.671	-3.3	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.236	-6.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.488	1.0	95	0.00
82	T	4-Chlorotoluene	50.000	51.969	-3.9	101	0.00
83	T	tert-Butylbenzene	50.000	52.616	-5.2	101	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.454	-6.9	102	0.00
85	T	sec-Butylbenzene	50.000	52.471	-4.9	101	0.00
86	T	p-Isopropyltoluene	50.000	53.479	-7.0	101	0.00
87	T	1,3-Dichlorobenzene	50.000	50.987	-2.0	102	0.00
88	T	1,4-Dichlorobenzene	50.000	49.741	0.5	99	0.00
89	T	n-Butylbenzene	50.000	52.927	-5.9	100	0.00
90	T	Hexachloroethane	50.000	50.454	-0.9	102	0.00
91	T	1,2-Dichlorobenzene	50.000	50.346	-0.7	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.476	3.0	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.429	-2.9	97	0.00
94	T	Hexachlorobutadiene	50.000	50.245	-0.5	99	0.00
95	T	Naphthalene	50.000	51.759	-3.5	94	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.640	-1.3	95	0.00

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

Raw Data: **VY021764.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: TULL02

Lab Code: CHEM Case No.: Q1698 SAS No.: Q1698 SDG No.: Q1698

Instrument ID: MSVOA_Y Calibration Date/Time: 04/03/2025 11:01

Lab File ID: VY021764.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.498		-3.86	20
Chloromethane	0.729	0.714	0.1	-2.06	20
Vinyl Chloride	0.824	0.799		-3.03	20
Bromomethane	0.562	0.541		-3.74	20
Chloroethane	0.539	0.544		0.93	20
Trichlorofluoromethane	1.056	1.053		-0.28	20
1,1,2-Trichlorotrifluoroethane	0.557	0.569		2.15	20
1,1-Dichloroethene	0.524	0.529		0.95	20
Acetone	0.111	0.088		-20.72	20
Carbon Disulfide	1.727	1.759		1.85	20
Methyl tert-butyl Ether	1.306	1.330		1.84	20
Methyl Acetate	0.275	0.335		21.82	20
Methylene Chloride	0.626	0.600		-4.15	20
trans-1,2-Dichloroethene	0.577	0.606		5.03	20
1,1-Dichloroethane	1.049	1.106	0.1	5.43	20
Cyclohexane	0.956	0.946		-1.05	20
2-Butanone	0.158	0.144		-8.86	20
Carbon Tetrachloride	0.566	0.613		8.3	20
cis-1,2-Dichloroethene	0.649	0.688		6.01	20
Bromochloromethane	0.442	0.459		3.85	20
Chloroform	1.091	1.146		5.04	20
1,1,1-Trichloroethane	0.986	1.032		4.66	20
Methylcyclohexane	0.590	0.641		8.64	20
Benzene	1.479	1.632		10.35	20
1,2-Dichloroethane	0.417	0.445		6.72	20
Trichloroethene	0.377	0.412		9.28	20
1,2-Dichloropropane	0.350	0.386		10.29	20
Bromodichloromethane	0.523	0.578		10.52	20
4-Methyl-2-Pentanone	0.230	0.238		3.48	20
Toluene	0.923	1.047		13.43	20
t-1,3-Dichloropropene	0.465	0.505		8.6	20
cis-1,3-Dichloropropene	0.548	0.600		9.49	20
1,1,2-Trichloroethane	0.260	0.279		7.31	20
2-Hexanone	0.153	0.156		1.96	20
Dibromochloromethane	0.355	0.387		9.01	20
1,2-Dibromoethane	0.244	0.263		7.79	20
Tetrachloroethene	0.455	0.504		10.77	20
Chlorobenzene	1.146	1.229	0.3	7.24	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: Q1698 SAS No.: Q1698 SDG No.: Q1698

Instrument ID: MSVOA_Y Calibration Date/Time: 04/03/2025 11:01

Lab File ID: VY021764.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.965	2.183		11.09	20
m/p-Xylenes	0.753	0.842		11.82	20
o-Xylene	0.695	0.781		12.37	20
Styrene	1.158	1.326		14.51	20
Bromoform	0.232	0.247	0.1	6.47	20
Isopropylbenzene	3.714	3.992		7.49	20
1,1,2,2-Tetrachloroethane	0.668	0.642	0.3	-3.89	20
1,3-Dichlorobenzene	1.757	1.854		5.52	20
1,4-Dichlorobenzene	1.736	1.809		4.2	20
1,2-Dichlorobenzene	1.529	1.617		5.76	20
1,2-Dibromo-3-Chloropropane	0.103	0.101		-1.94	20
1,2,4-Trichlorobenzene	0.829	0.889		7.24	20
1,2,3-Trichlorobenzene	0.707	0.753		6.51	20
1,2-Dichloroethane-d4	0.542	0.557		2.77	20
Dibromofluoromethane	0.324	0.357		10.19	20
Toluene-d8	1.234	1.363		10.45	20
4-Bromofluorobenzene	0.417	0.467		11.99	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\VY040325\
Data File : VY021764.D
Acq On : 03 Apr 2025 11:01
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 01:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	208234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	319384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	290244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	149312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116052	51.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.880%			
35) Dibromofluoromethane	7.634	113	113922	54.987	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.980%			
50) Toluene-d8	10.109	98	435291	55.228	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.460%			
62) 4-Bromofluorobenzene	12.408	95	149156	55.948	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	103673	48.035	ug/l	98
3) Chloromethane	2.068	50	148598	48.964	ug/l	100
4) Vinyl Chloride	2.202	62	166451	48.497	ug/l	100
5) Bromomethane	2.598	94	112589	48.097	ug/l	97
6) Chloroethane	2.733	64	113241	50.422	ug/l	100
7) Trichlorofluoromethane	3.062	101	219281	49.875	ug/l	96
8) Diethyl Ether	3.452	74	58317	48.774	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	118484	51.095	ug/l	99
10) Methyl Iodide	4.007	142	141011	55.430	ug/l	99
11) Tert butyl alcohol	4.860	59	30820	210.313	ug/l	97
12) 1,1-Dichloroethene	3.787	96	110190	50.449	ug/l	96
13) Acrolein	3.653	56	31138	116.369	ug/l	99
14) Allyl chloride	4.385	41	180081	51.711	ug/l	100
15) Acrylonitrile	5.061	53	120826	242.027	ug/l	98
16) Acetone	3.873	43	91614	198.408	ug/l	99
17) Carbon Disulfide	4.104	76	366366	50.926	ug/l	99
18) Methyl Acetate	4.385	43	69666	60.876	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	276856	50.913	ug/l	98
20) Methylene Chloride	4.610	84	124953	55.747	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	126149	52.456	ug/l	97
22) Diisopropyl ether	6.019	45	397768	54.449	ug/l	98
23) Vinyl Acetate	5.958	43	1064692	249.130	ug/l	100
24) 1,1-Dichloroethane	5.915	63	230297	52.721	ug/l	99
25) 2-Butanone	6.890	43	150392	228.034	ug/l	96
26) 2,2-Dichloropropane	6.884	77	201487	51.854	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	143369	53.013	ug/l	99
28) Bromochloromethane	7.250	49	95540	51.861	ug/l	100
29) Tetrahydrofuran	7.262	42	102906	242.441	ug/l	99
30) Chloroform	7.421	83	238543	52.503	ug/l	95
31) Cyclohexane	7.701	56	196932	49.456	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	214846	52.320	ug/l	99
36) 1,1-Dichloropropene	7.835	75	169762	53.796	ug/l	98
37) Ethyl Acetate	6.982	43	71429	47.962	ug/l	99
38) Carbon Tetrachloride	7.817	117	195894	54.200	ug/l	99
39) Methylcyclohexane	9.109	83	204856	54.342	ug/l	99
40) Benzene	8.079	78	521326	55.164	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021764.D
Acq On : 03 Apr 2025 11:01
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 01:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	37699	47.665	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	141991	53.296	ug/l		100
43) Isopropyl Acetate	8.195	43	138980	49.243	ug/l		99
44) Trichloroethene	8.866	130	131603	54.655	ug/l		98
45) 1,2-Dichloropropane	9.140	63	123336	55.135	ug/l		100
46) Dibromomethane	9.231	93	69562	53.957	ug/l		97
47) Bromodichloromethane	9.420	83	184690	55.286	ug/l		97
48) Methyl methacrylate	9.219	41	66713	51.503	ug/l		98
49) 1,4-Dioxane	9.231	88	14046	1017.026	ug/l		97
51) 4-Methyl-2-Pentanone	10.000	43	379583	258.444	ug/l		100
52) Toluene	10.170	92	334440	56.721	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	161445	54.410	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	191551	54.721	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	89259	53.800	ug/l		99
56) Ethyl methacrylate	10.438	69	114225	53.919	ug/l		99
57) 1,3-Dichloropropane	10.719	76	157315	54.903	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	276622	267.669	ug/l		99
59) 2-Hexanone	10.762	43	249690	255.268	ug/l		100
60) Dibromochloromethane	10.908	129	123607	54.568	ug/l		99
61) 1,2-Dibromoethane	11.012	107	83996	53.970	ug/l		98
64) Tetrachloroethene	10.646	164	146393	55.379	ug/l		98
65) Chlorobenzene	11.444	112	356640	53.603	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	128088	54.261	ug/l		99
67) Ethyl Benzene	11.518	91	633513	55.527	ug/l		99
68) m/p-Xylenes	11.627	106	488843	111.893	ug/l		100
69) o-Xylene	11.957	106	226654	56.203	ug/l		100
70) Styrene	11.969	104	384904	57.244	ug/l		99
71) Bromoform	12.133	173	71596	53.171	ug/l		99
73) Isopropylbenzene	12.255	105	596060	53.748	ug/l		100
74) N-amyl acetate	12.072	43	126940	48.772	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	95922	48.109	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	75342m	50.904	ug/l		
77) Bromobenzene	12.530	156	140969	52.942	ug/l		98
78) n-propylbenzene	12.597	91	732017	54.904	ug/l		99
79) 2-Chlorotoluene	12.682	91	412314	53.244	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	498587	55.009	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	31935	49.716	ug/l		97
82) 4-Chlorotoluene	12.780	91	431611	53.461	ug/l		100
83) tert-Butylbenzene	12.999	119	434140	53.777	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	492689	54.999	ug/l		100
85) sec-Butylbenzene	13.176	105	640568	54.295	ug/l		100
86) p-Isopropyltoluene	13.292	119	538043	55.178	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	276842	52.772	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	270091	52.110	ug/l		99
89) n-Butylbenzene	13.621	91	491103	54.459	ug/l		100
90) Hexachloroethane	13.877	117	110741	51.825	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	241365	52.853	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15130	48.960	ug/l		97
93) 1,2,4-Trichlorobenzene	14.926	180	132669	53.571	ug/l		99
94) Hexachlorobutadiene	15.023	225	78028	50.449	ug/l		99
95) Naphthalene	15.145	128	215244	52.436	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	112449	53.247	ug/l		99

Sample Results: **VY021764.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021764.D
Acq On : 03 Apr 2025 11:01
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 01:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

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

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

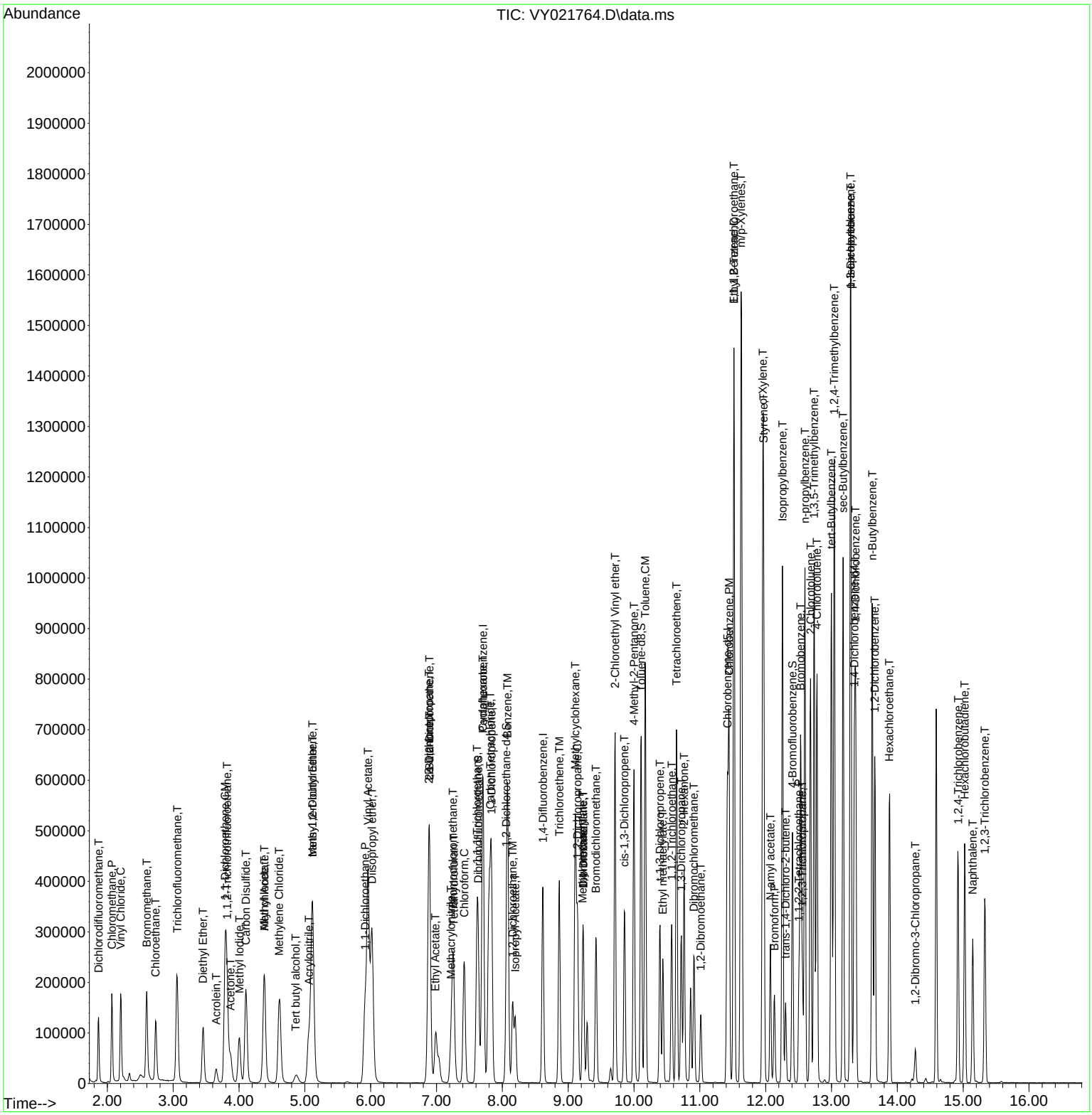
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021764.D
Acq On : 03 Apr 2025 11:01
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 01:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025



Sample Results: **VY021764.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021764.D
Acq On : 03 Apr 2025 11:01
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: Apr 04 01:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	87	0.00
2	T	Dichlorodifluoromethane	0.518	0.498	3.9	86	0.00
3	P	Chloromethane	0.729	0.714	2.1	90	0.00
4	C	Vinyl Chloride	0.824	0.799	3.0#	87	0.00
5	T	Bromomethane	0.562	0.541	3.7	92	0.00
6	T	Chloroethane	0.539	0.544	-0.9	93	0.00
7	T	Trichlorofluoromethane	1.056	1.053	0.3	91	0.00
8	T	Diethyl Ether	0.287	0.280	2.4	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.569	-2.2	93	0.00
10	T	Methyl Iodide	0.611	0.677	-10.8	90	0.00
11	T	Tert butyl alcohol	0.035	0.030	14.3	76	0.00
12	CM	1,1-Dichloroethene	0.524	0.529	-1.0#	90	0.00
13	T	Acrolein	0.064	0.030	53.1#	41#	0.00
14	T	Allyl chloride	0.836	0.865	-3.5	90	0.00
15	T	Acrylonitrile	0.120	0.116	3.3	84	0.00
16	T	Acetone	0.111	0.088	20.7	72	0.00
17	T	Carbon Disulfide	1.727	1.759	-1.9	91	0.00
18	T	Methyl Acetate	0.275	0.335	-21.8	110	0.00
19	T	Methyl tert-butyl Ether	1.306	1.330	-1.8	88	0.00
20	T	Methylene Chloride	0.626	0.600	4.2	93	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.606	-5.0	93	0.00
22	T	Diisopropyl ether	1.754	1.910	-8.9	93	0.00
23	T	Vinyl Acetate	1.026	1.023	0.3	84	0.00
24	P	1,1-Dichloroethane	1.049	1.106	-5.4	93	0.00
25	T	2-Butanone	0.158	0.144	8.9	79	0.00
26	T	2,2-Dichloropropane	0.933	0.968	-3.8	92	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.688	-6.0	92	0.00
28	T	Bromochloromethane	0.442	0.459	-3.8	94	0.00
29	T	Tetrahydrofuran	0.102	0.099	2.9	82	0.00
30	C	Chloroform	1.091	1.146	-5.0#	93	0.00
31	T	Cyclohexane	0.956	0.946	1.0	90	0.00
32	T	1,1,1-Trichloroethane	0.986	1.032	-4.7	93	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.557	-2.8	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
35	S	Dibromofluoromethane	0.324	0.357	-10.2	91	0.00
36	T	1,1-Dichloropropene	0.494	0.532	-7.7	91	0.00
37	T	Ethyl Acetate	0.233	0.224	3.9	82	0.00
38	T	Carbon Tetrachloride	0.566	0.613	-8.3	94	0.00
39	T	Methylcyclohexane	0.590	0.641	-8.6	89	0.00
40	TM	Benzene	1.479	1.632	-10.3	94	0.00
41	T	Methacrylonitrile	0.124	0.118	4.8	74	-0.01
42	TM	1,2-Dichloroethane	0.417	0.445	-6.7	91	0.00
43	T	Isopropyl Acetate	0.442	0.435	1.6	83	0.00
44	TM	Trichloroethene	0.377	0.412	-9.3	95	0.00
45	C	1,2-Dichloropropane	0.350	0.386	-10.3#	94	0.00
46	T	Dibromomethane	0.202	0.218	-7.9	95	0.00
47	T	Bromodichloromethane	0.523	0.578	-10.5	95	0.00
48	T	Methyl methacrylate	0.203	0.209	-3.0	86	0.00

Sample Results: **VY021764.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021764.D
Acq On : 03 Apr 2025 11:01
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: Apr 04 01:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	85	0.00
50	S	Toluene-d8	1.234	1.363	-10.5	90	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.238	-3.5	85	0.00
52	CM	Toluene	0.923	1.047	-13.4#	95	0.00
53	T	t-1,3-Dichloropropene	0.465	0.505	-8.6	90	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.600	-9.5	92	0.00
55	T	1,1,2-Trichloroethane	0.260	0.279	-7.3	92	0.00
56	T	Ethyl methacrylate	0.332	0.358	-7.8	84	0.00
57	T	1,3-Dichloropropane	0.449	0.493	-9.8	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.173	-6.8	83	0.00
59	T	2-Hexanone	0.153	0.156	-2.0	83	0.00
60	T	Dibromochloromethane	0.355	0.387	-9.0	92	0.00
61	T	1,2-Dibromoethane	0.244	0.263	-7.8	89	0.00
62	S	4-Bromofluorobenzene	0.417	0.467	-12.0	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
64	T	Tetrachloroethene	0.455	0.504	-10.8	99	0.00
65	PM	Chlorobenzene	1.146	1.229	-7.2	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.441	-8.4	94	0.00
67	C	Ethyl Benzene	1.965	2.183	-11.1#	94	0.00
68	T	m/p-Xylenes	0.753	0.842	-11.8	94	0.00
69	T	o-Xylene	0.695	0.781	-12.4	93	0.00
70	T	Styrene	1.158	1.326	-14.5	95	0.00
71	P	Bromoform	0.232	0.247	-6.5	92	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73	T	Isopropylbenzene	3.714	3.992	-7.5	93	0.00
74	T	N-amyl acetate	0.872	0.850	2.5	82	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.642	3.9	87	0.00
76	T	1,2,3-Trichloropropane	0.496	0.505	-1.8	90	0.00
77	T	Bromobenzene	0.892	0.944	-5.8	94	0.00
78	T	n-propylbenzene	4.465	4.903	-9.8	94	0.00
79	T	2-Chlorotoluene	2.593	2.761	-6.5	93	0.00
80	T	1,3,5-Trimethylbenzene	3.035	3.339	-10.0	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.214	0.5	86	0.00
82	T	4-Chlorotoluene	2.704	2.891	-6.9	93	0.00
83	T	tert-Butylbenzene	2.703	2.908	-7.6	93	0.00
84	T	1,2,4-Trimethylbenzene	3.000	3.300	-10.0	94	0.00
85	T	sec-Butylbenzene	3.951	4.290	-8.6	93	0.00
86	T	p-Isopropyltoluene	3.265	3.603	-10.4	93	0.00
87	T	1,3-Dichlorobenzene	1.757	1.854	-5.5	94	0.00
88	T	1,4-Dichlorobenzene	1.736	1.809	-4.2	92	0.00
89	T	n-Butylbenzene	3.020	3.289	-8.9	92	0.00
90	T	Hexachloroethane	0.716	0.742	-3.6	93	0.00
91	T	1,2-Dichlorobenzene	1.529	1.617	-5.8	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.101	1.9	88	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.889	-7.2	90	0.00
94	T	Hexachlorobutadiene	0.518	0.523	-1.0	89	0.00
95	T	Naphthalene	1.375	1.442	-4.9	85	0.00

Sample Results: **VY021764.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021764.D
Acq On : 03 Apr 2025 11:01
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: Apr 04 01:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.753	-6.5	90	0.00

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

Sample Results: **VY021764.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021764.D
Acq On : 03 Apr 2025 11:01
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: Apr 04 01:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	87	0.00
2	T	Dichlorodifluoromethane	50.000	48.035	3.9	86	0.00
3	P	Chloromethane	50.000	48.964	2.1	90	0.00
4	C	Vinyl Chloride	50.000	48.497	3.0#	87	0.00
5	T	Bromomethane	50.000	48.097	3.8	92	0.00
6	T	Chloroethane	50.000	50.422	-0.8	93	0.00
7	T	Trichlorofluoromethane	50.000	49.875	0.3	91	0.00
8	T	Diethyl Ether	50.000	48.774	2.5	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.095	-2.2	93	0.00
10	T	Methyl Iodide	50.000	55.430	-10.9	90	0.00
11	T	Tert butyl alcohol	250.000	210.313	15.9	76	0.00
12	CM	1,1-Dichloroethene	50.000	50.449	-0.9#	90	0.00
13	T	Acrolein	250.000	116.369	53.5#	41	0.00
14	T	Allyl chloride	50.000	51.711	-3.4	90	0.00
15	T	Acrylonitrile	250.000	242.027	3.2	84	0.00
16	T	Acetone	250.000	198.408	20.6	72	0.00
17	T	Carbon Disulfide	50.000	50.926	-1.9	91	0.00
18	T	Methyl Acetate	50.000	60.876	-21.8	110	0.00
19	T	Methyl tert-butyl Ether	50.000	50.913	-1.8	88	0.00
20	T	Methylene Chloride	50.000	55.747	-11.5	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.456	-4.9	93	0.00
22	T	Diisopropyl ether	50.000	54.449	-8.9	93	0.00
23	T	Vinyl Acetate	250.000	249.130	0.3	84	0.00
24	P	1,1-Dichloroethane	50.000	52.721	-5.4	93	0.00
25	T	2-Butanone	250.000	228.034	8.8	79	0.00
26	T	2,2-Dichloropropane	50.000	51.854	-3.7	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.013	-6.0	92	0.00
28	T	Bromochloromethane	50.000	51.861	-3.7	94	0.00
29	T	Tetrahydrofuran	250.000	242.441	3.0	82	0.00
30	C	Chloroform	50.000	52.503	-5.0#	93	0.00
31	T	Cyclohexane	50.000	49.456	1.1	90	0.00
32	T	1,1,1-Trichloroethane	50.000	52.320	-4.6	93	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.438	-2.9	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	86	0.00
35	S	Dibromofluoromethane	50.000	54.987	-10.0	91	0.00
36	T	1,1-Dichloropropene	50.000	53.796	-7.6	91	0.00
37	T	Ethyl Acetate	50.000	47.962	4.1	82	0.00
38	T	Carbon Tetrachloride	50.000	54.200	-8.4	94	0.00
39	T	Methylcyclohexane	50.000	54.342	-8.7	89	0.00
40	TM	Benzene	50.000	55.164	-10.3	94	0.00
41	T	Methacrylonitrile	50.000	47.665	4.7	74	-0.01
42	TM	1,2-Dichloroethane	50.000	53.296	-6.6	91	0.00
43	T	Isopropyl Acetate	50.000	49.243	1.5	83	0.00
44	TM	Trichloroethene	50.000	54.655	-9.3	95	0.00
45	C	1,2-Dichloropropane	50.000	55.135	-10.3#	94	0.00
46	T	Dibromomethane	50.000	53.957	-7.9	95	0.00
47	T	Bromodichloromethane	50.000	55.286	-10.6	95	0.00
48	T	Methyl methacrylate	50.000	51.503	-3.0	86	0.00

Sample Results: **VY021764.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021764.D
Acq On : 03 Apr 2025 11:01
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: Apr 04 01:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	1017.026	-1.7	85	0.00
50	S	Toluene-d8	50.000	55.228	-10.5	90	0.00
51	T	4-Methyl-2-Pentanone	250.000	258.444	-3.4	85	0.00
52	CM	Toluene	50.000	56.721	-13.4#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	54.410	-8.8	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.721	-9.4	92	0.00
55	T	1,1,2-Trichloroethane	50.000	53.800	-7.6	92	0.00
56	T	Ethyl methacrylate	50.000	53.919	-7.8	84	0.00
57	T	1,3-Dichloropropane	50.000	54.903	-9.8	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	267.669	-7.1	83	0.00
59	T	2-Hexanone	250.000	255.268	-2.1	83	0.00
60	T	Dibromochloromethane	50.000	54.568	-9.1	92	0.00
61	T	1,2-Dibromoethane	50.000	53.970	-7.9	89	0.00
62	S	4-Bromofluorobenzene	50.000	55.948	-11.9	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	88	0.00
64	T	Tetrachloroethene	50.000	55.379	-10.8	99	0.00
65	PM	Chlorobenzene	50.000	53.603	-7.2	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.261	-8.5	94	0.00
67	C	Ethyl Benzene	50.000	55.527	-11.1#	94	0.00
68	T	m/p-Xylenes	100.000	111.893	-11.9	94	0.00
69	T	o-Xylene	50.000	56.203	-12.4	93	0.00
70	T	Styrene	50.000	57.244	-14.5	95	0.00
71	P	Bromoform	50.000	53.171	-6.3	92	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73	T	Isopropylbenzene	50.000	53.748	-7.5	93	0.00
74	T	N-amyl acetate	50.000	48.772	2.5	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.109	3.8	87	0.00
76	T	1,2,3-Trichloropropane	50.000	50.904	-1.8	90	0.00
77	T	Bromobenzene	50.000	52.942	-5.9	94	0.00
78	T	n-propylbenzene	50.000	54.904	-9.8	94	0.00
79	T	2-Chlorotoluene	50.000	53.244	-6.5	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.009	-10.0	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.716	0.6	86	0.00
82	T	4-Chlorotoluene	50.000	53.461	-6.9	93	0.00
83	T	tert-Butylbenzene	50.000	53.777	-7.6	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.999	-10.0	94	0.00
85	T	sec-Butylbenzene	50.000	54.295	-8.6	93	0.00
86	T	p-Isopropyltoluene	50.000	55.178	-10.4	93	0.00
87	T	1,3-Dichlorobenzene	50.000	52.772	-5.5	94	0.00
88	T	1,4-Dichlorobenzene	50.000	52.110	-4.2	92	0.00
89	T	n-Butylbenzene	50.000	54.459	-8.9	92	0.00
90	T	Hexachloroethane	50.000	51.825	-3.7	93	0.00
91	T	1,2-Dichlorobenzene	50.000	52.853	-5.7	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.960	2.1	88	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.571	-7.1	90	0.00
94	T	Hexachlorobutadiene	50.000	50.449	-0.9	89	0.00
95	T	Naphthalene	50.000	52.436	-4.9	85	0.00

Sample Results: **VY021764.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021764.D
Acq On : 03 Apr 2025 11:01
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: Apr 04 01:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	53.247	-6.5	90	0.00

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

QC SAMPLE DATA

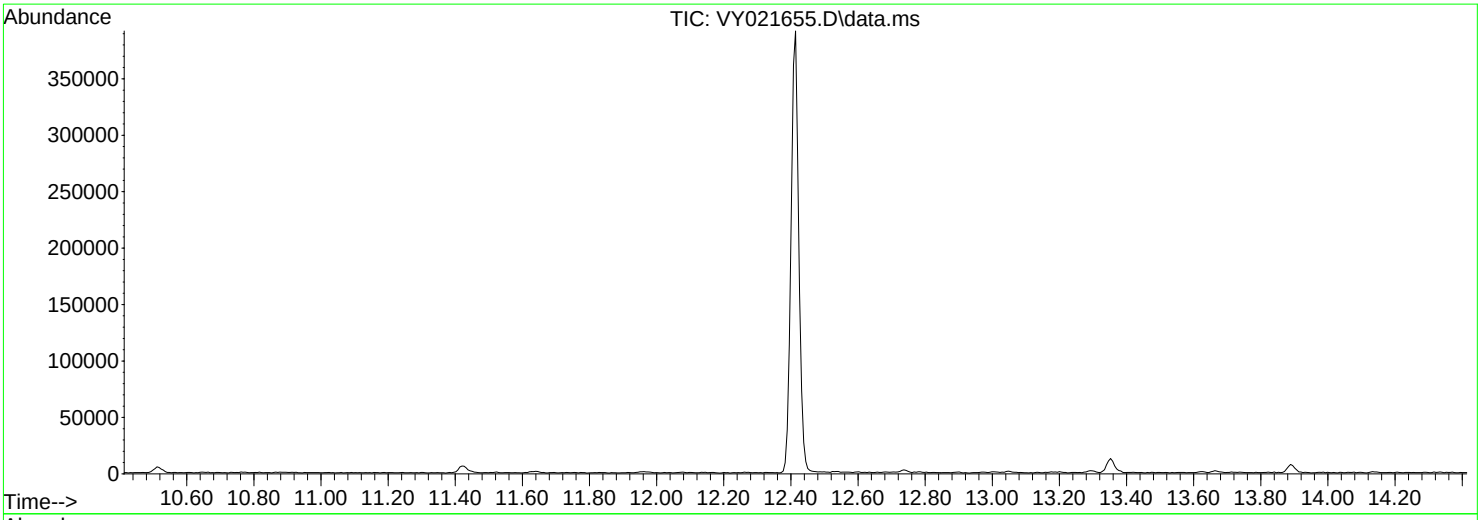
Sample Results: **VY021655.D**

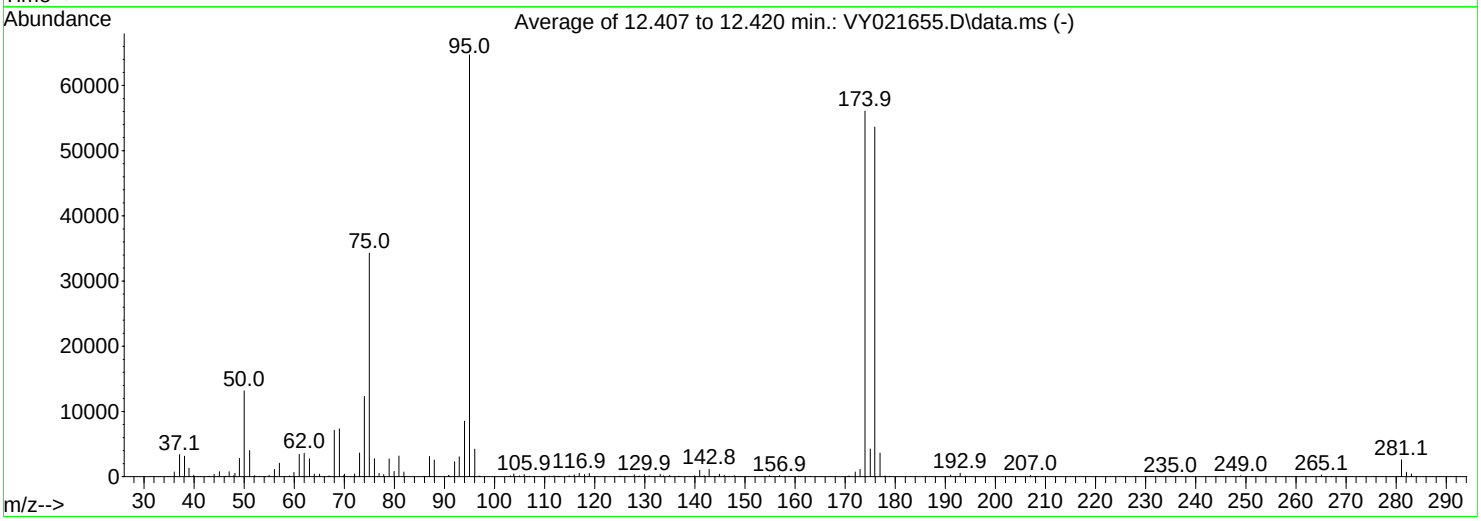
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021655.D
Acq On : 27 Mar 2025 09:23
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 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	20.4	13171	PASS
75	95	30	60	53.0	34296	PASS
95	95	100	100	100.0	64701	PASS
96	95	5	9	6.5	4216	PASS
173	174	0.00	2	2.0	1112	PASS
174	95	50	100	86.7	56080	PASS
175	174	5	9	7.6	4256	PASS
176	174	95	101	95.6	53624	PASS
177	176	5	9	6.8	3635	PASS

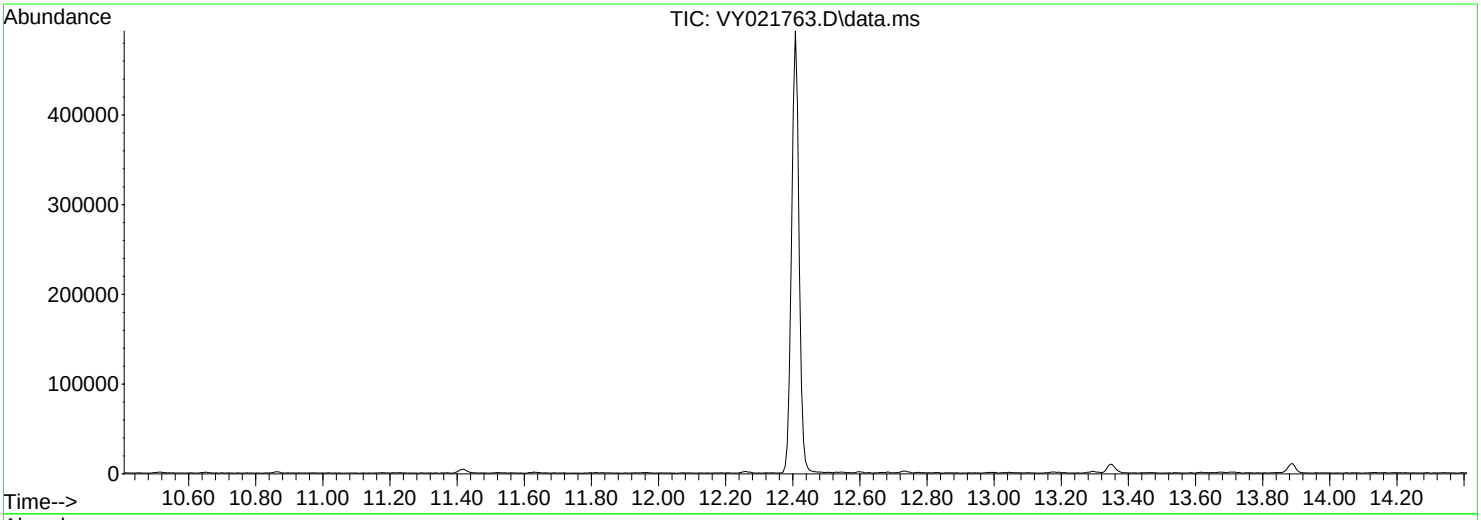
Sample Results: **VY021763.D**

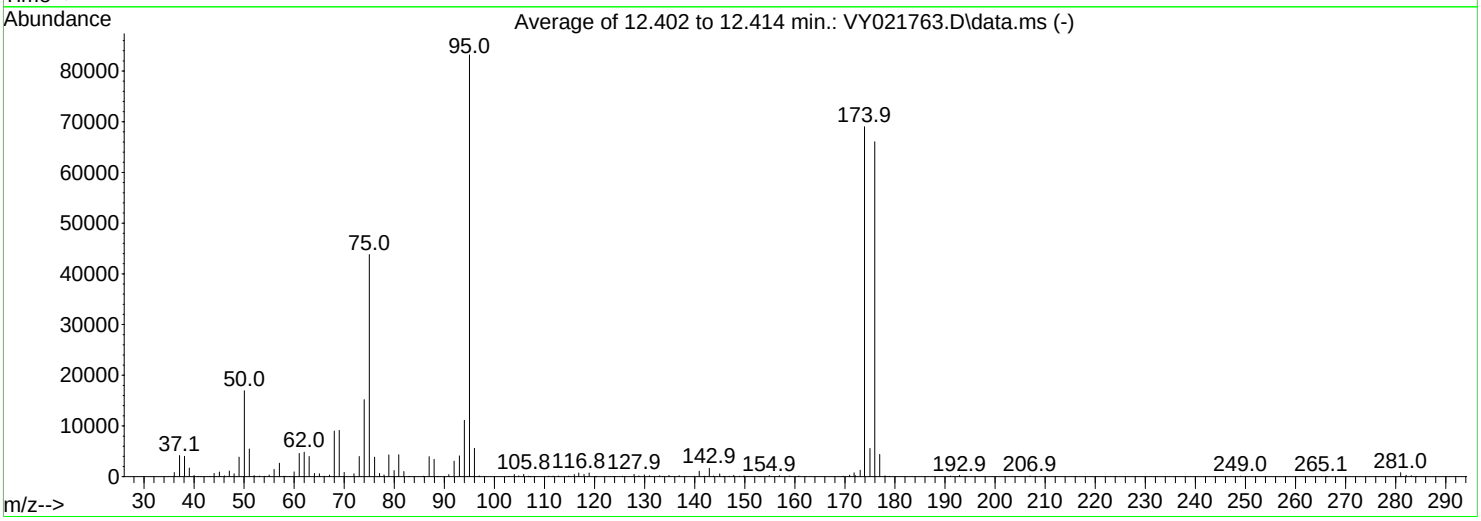
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021763.D
Acq On : 03 Apr 2025 10:29
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	16938	PASS
75	95	30	60	52.7	43819	PASS
95	95	100	100	100.0	83192	PASS
96	95	5	9	6.7	5582	PASS
173	174	0.00	2	1.8	1273	PASS
174	95	50	100	83.0	69027	PASS
175	174	5	9	8.1	5565	PASS
176	174	95	101	95.7	66037	PASS
177	176	5	9	6.6	4384	PASS

Raw Data: **VY021765.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	VY0403SBL01	SDG No.:	Q1698
Lab Sample ID:	VY0403SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021765.D	1		04/03/25 11:34	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0011	U	0.0011	0.0050	mg/Kg
74-87-3	Chloromethane	0.0011	U	0.0011	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.00079	U	0.00079	0.0050	mg/Kg
74-83-9	Bromomethane	0.0011	U	0.0011	0.0050	mg/Kg
75-00-3	Chloroethane	0.0013	U	0.0013	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.0012	U	0.0012	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0011	U	0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0010	U	0.0010	0.0050	mg/Kg
67-64-1	Acetone	0.0047	U	0.0047	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0011	U	0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00073	U	0.00073	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.0015	U	0.0015	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0035	U	0.0035	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00086	U	0.00086	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.00080	U	0.00080	0.0050	mg/Kg
110-82-7	Cyclohexane	0.00079	U	0.00079	0.0050	mg/Kg
78-93-3	2-Butanone	0.0065	U	0.0065	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.00097	U	0.00097	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00075	U	0.00075	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.0012	U	0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.00084	U	0.00084	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00093	U	0.00093	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.00091	U	0.00091	0.0050	mg/Kg
71-43-2	Benzene	0.00079	U	0.00079	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.00079	U	0.00079	0.0050	mg/Kg
79-01-6	Trichloroethene	0.00081	U	0.00081	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.00091	U	0.00091	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.00078	U	0.00078	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0036	U	0.0036	0.025	mg/Kg
108-88-3	Toluene	0.00078	U	0.00078	0.0050	mg/Kg

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	VY0403SBL01	SDG No.:	Q1698
Lab Sample ID:	VY0403SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021765.D	1		04/03/25 11:34	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00065	U	0.00065	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00062	U	0.00062	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00092	U	0.00092	0.0050	mg/Kg
591-78-6	2-Hexanone	0.0037	U	0.0037	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.00087	U	0.00087	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.00088	U	0.00088	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0011	U	0.0011	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.00091	U	0.00091	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.00067	U	0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0012	U	0.0012	0.010	mg/Kg
95-47-6	o-Xylene	0.00082	U	0.00082	0.0050	mg/Kg
100-42-5	Styrene	0.00071	U	0.00071	0.0050	mg/Kg
75-25-2	Bromoform	0.00086	U	0.00086	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.00078	U	0.00078	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0017	U	0.0017	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0016	U	0.0016	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0015	U	0.0015	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0018	U	0.0018	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0030	U	0.0030	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0032	U	0.0032	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.3		38 - 136	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	249000	7.707			
540-36-3	1,4-Difluorobenzene	476000	8.616			
3114-55-4	Chlorobenzene-d5	424000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.347			

Raw Data: **VY021765.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	VY0403SBL01	SDG No.:	Q1698
Lab Sample ID:	VY0403SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021765.D	1		04/03/25 11:34	VY040325

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\VY040325\
Data File : VY021765.D
Acq On : 03 Apr 2025 11:34
Operator : SY/MD
Sample : VY0403SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

Quant Time: Apr 04 01:29:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

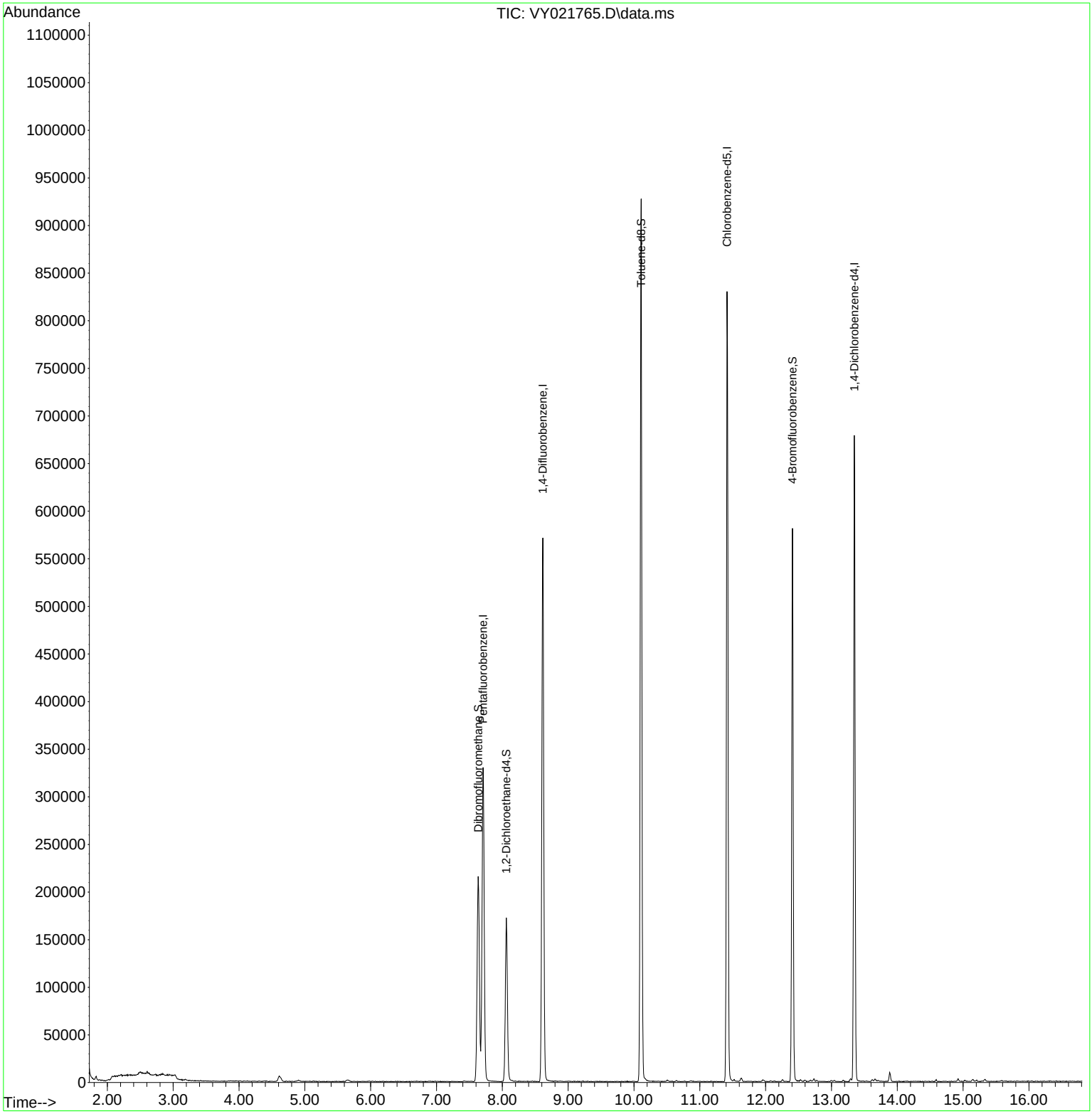
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	249432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	475813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	424056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132130	48.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.780%		
35) Dibromofluoromethane	7.634	113	152760	49.493	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.980%		
50) Toluene-d8	10.109	98	585314	49.848	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.700%		
62) 4-Bromofluorobenzene	12.408	95	171818	43.260	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.520%		
Target Compounds						Qvalue

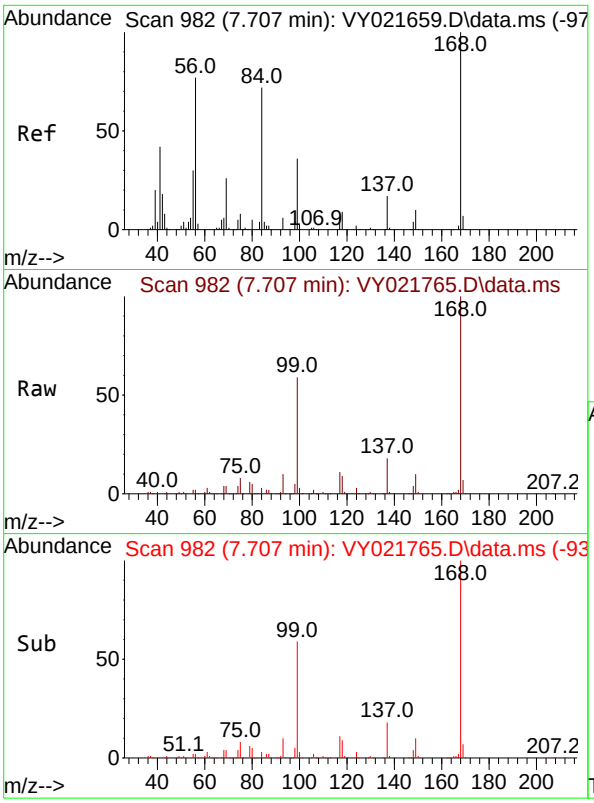
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021765.D
Acq On : 03 Apr 2025 11:34
Operator : SY/MD
Sample : VY0403SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

Quant Time: Apr 04 01:29:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



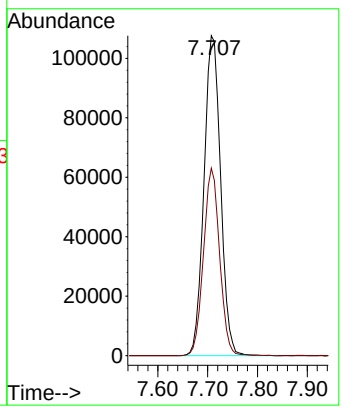


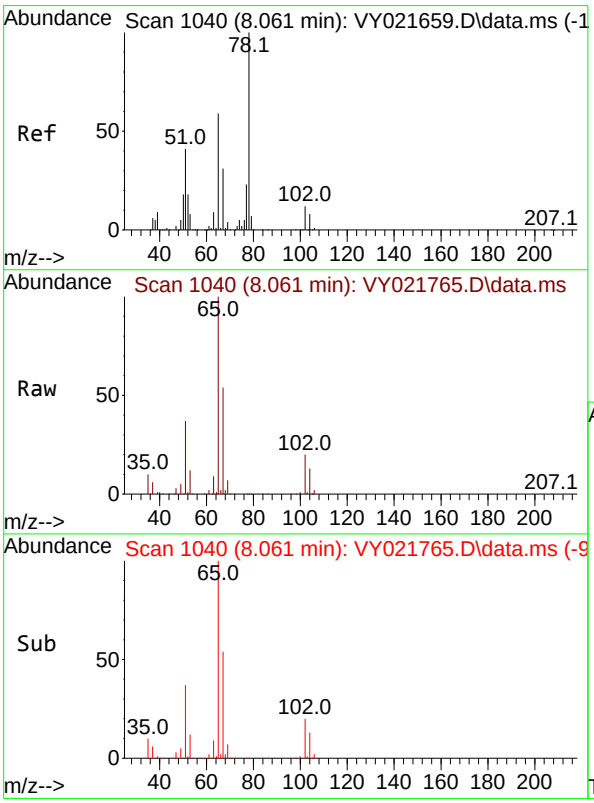
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021765.D
Acq: 03 Apr 2025 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

Tgt Ion:168 Resp: 249432

Ion	Ratio	Lower	Upper
168	100		
99	58.6	46.7	70.1

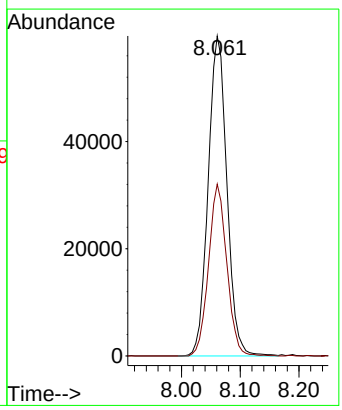


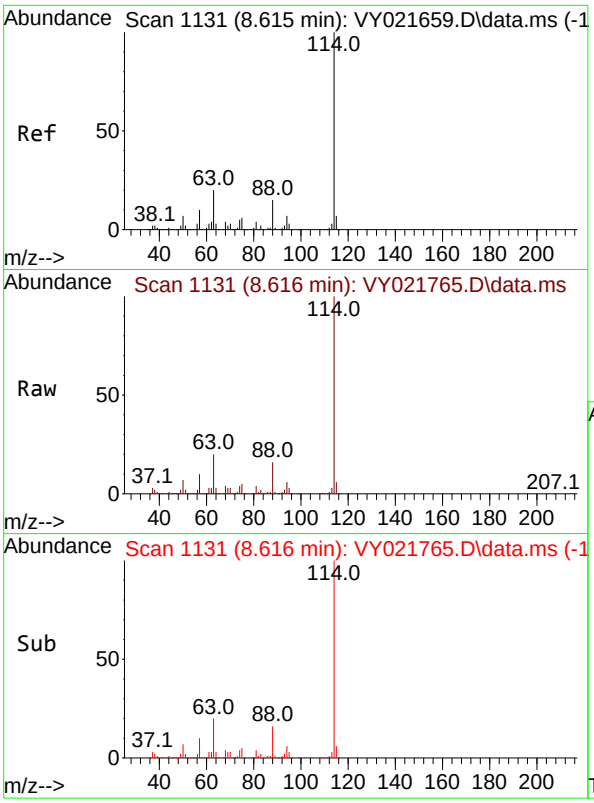


#33
1,2-Dichloroethane-d4
Concen: 48.891 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021765.D
Acq: 03 Apr 2025 11:34

Tgt Ion: 65 Resp: 132130

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



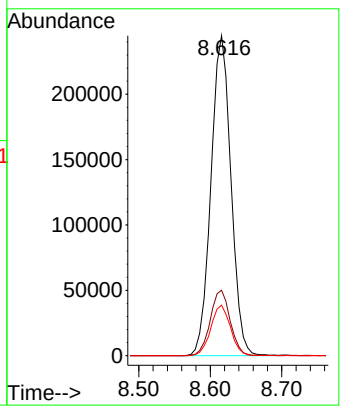


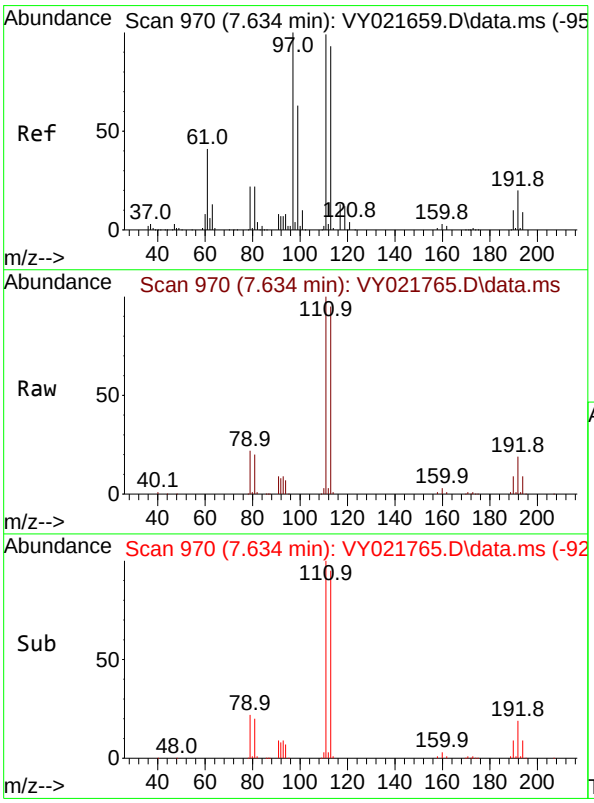
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021765.D
Acq: 03 Apr 2025 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

Tgt Ion:114 Resp: 475813

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.2
88	15.8	0.0	29.8

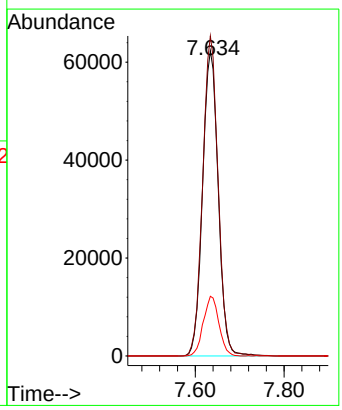


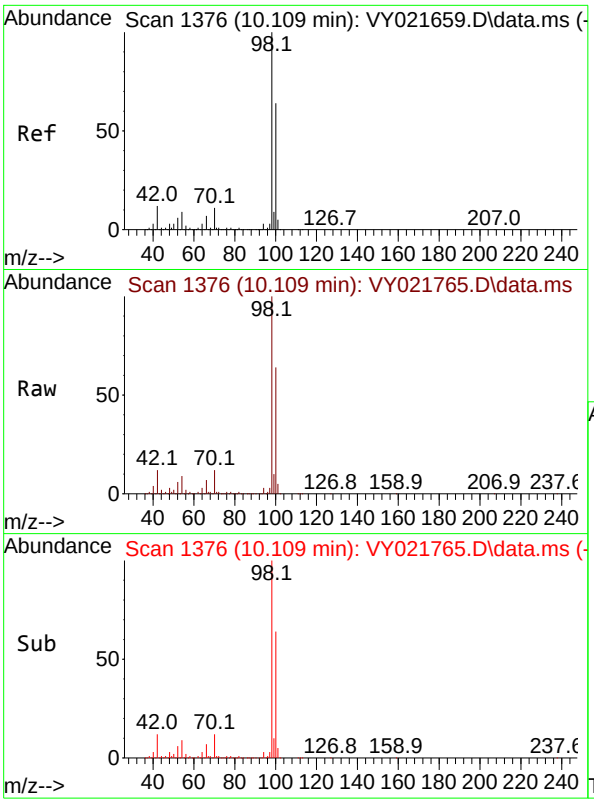


#35
Dibromofluoromethane
Concen: 49.493 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021765.D
Acq: 03 Apr 2025 11:34

Tgt Ion:113 Resp: 152760

Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	123.8
192	19.5	16.2	24.4



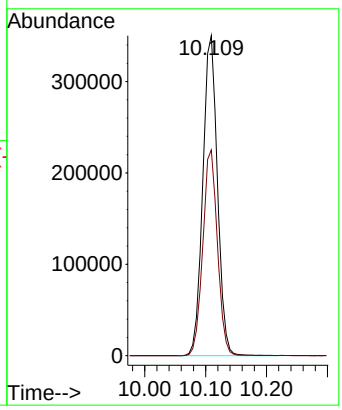


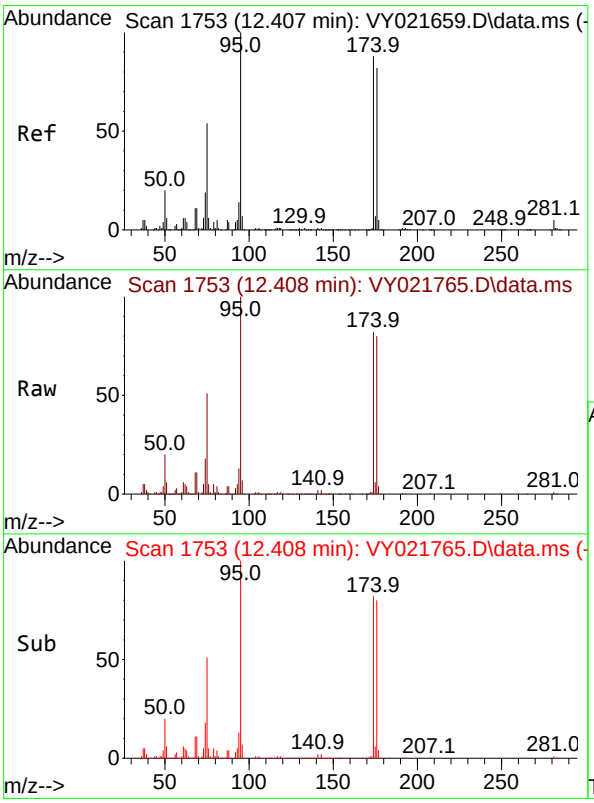
#50
Toluene-d8
Concen: 49.848 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021765.D
Acq: 03 Apr 2025 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

Tgt Ion: 98 Resp: 585314

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1

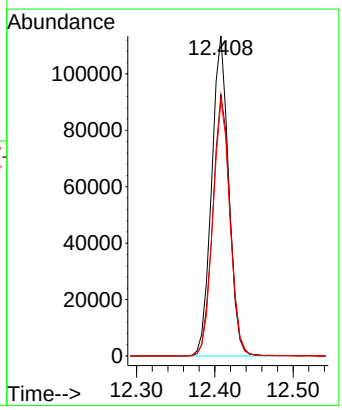


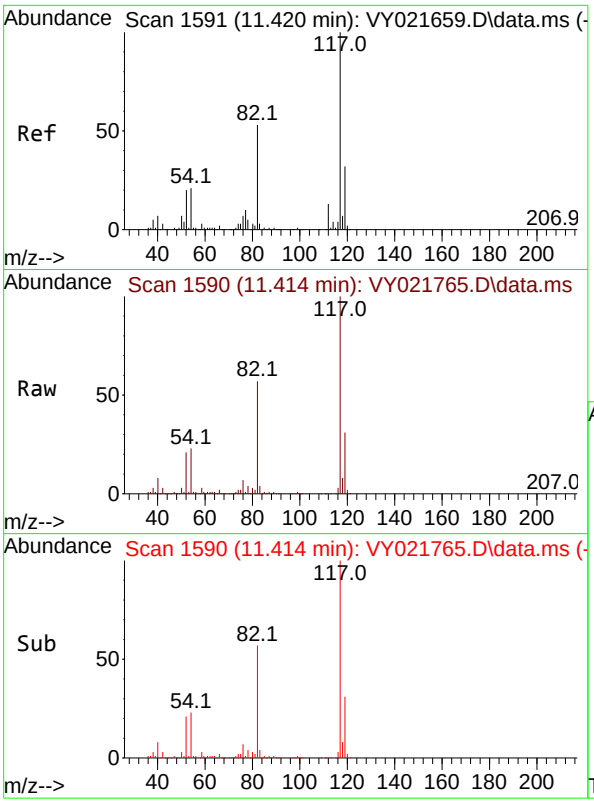


#62
4-Bromofluorobenzene
Concen: 43.260 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021765.D
Acq: 03 Apr 2025 11:34

Tgt Ion: 95 Resp: 171818

Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	170.8
176	79.9	0.0	162.0



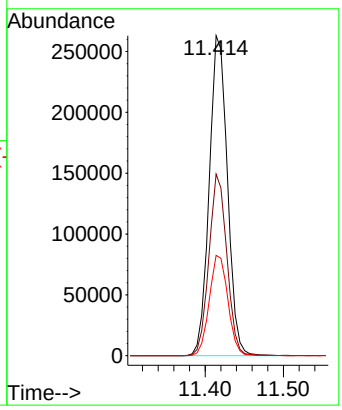


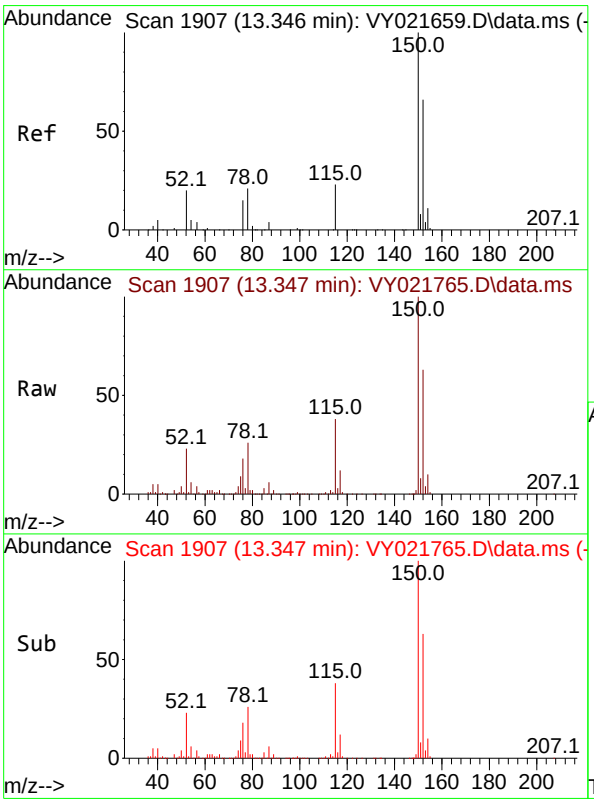
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021765.D
Acq: 03 Apr 2025 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

Tgt Ion:117 Resp: 424056

Ion	Ratio	Lower	Upper
117	100		
82	56.7	42.8	64.2
119	31.4	25.7	38.5

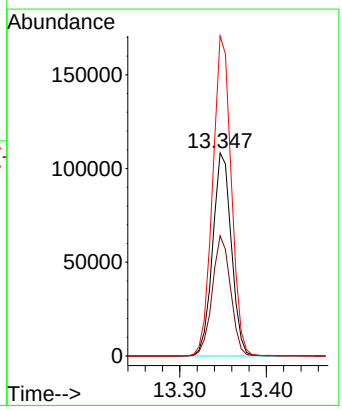




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021765.D
Acq: 03 Apr 2025 11:34

Tgt Ion:152 Resp: 162342

Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.8	86.5
150	157.2	0.0	348.4



Sample Results: **VY021765.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021765.D
Acq On : 03 Apr 2025 11:34
Operator : SY/MD
Sample : VY0403SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021765.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	465	474	487	rVB4	5766	17993	1.14%	0.236%
2	7.634	958	970	976	rBV	215597	522017	33.14%	6.843%
3	7.707	976	982	997	rVB	329297	753147	47.82%	9.873%
4	8.061	1031	1040	1059	rBV	171875	377316	23.96%	4.946%
5	8.616	1122	1131	1144	rBV	571069	1129586	71.72%	14.808%
6	10.109	1366	1376	1390	rBV	927266	1575103	100.00%	20.648%
7	11.414	1581	1590	1603	rBV	829936	1339301	85.03%	17.557%
8	12.408	1745	1753	1765	rBV	581085	905852	57.51%	11.875%
9	13.347	1900	1907	1922	rVB	678212	1007870	63.99%	13.212%

Sum of corrected areas: 7628185

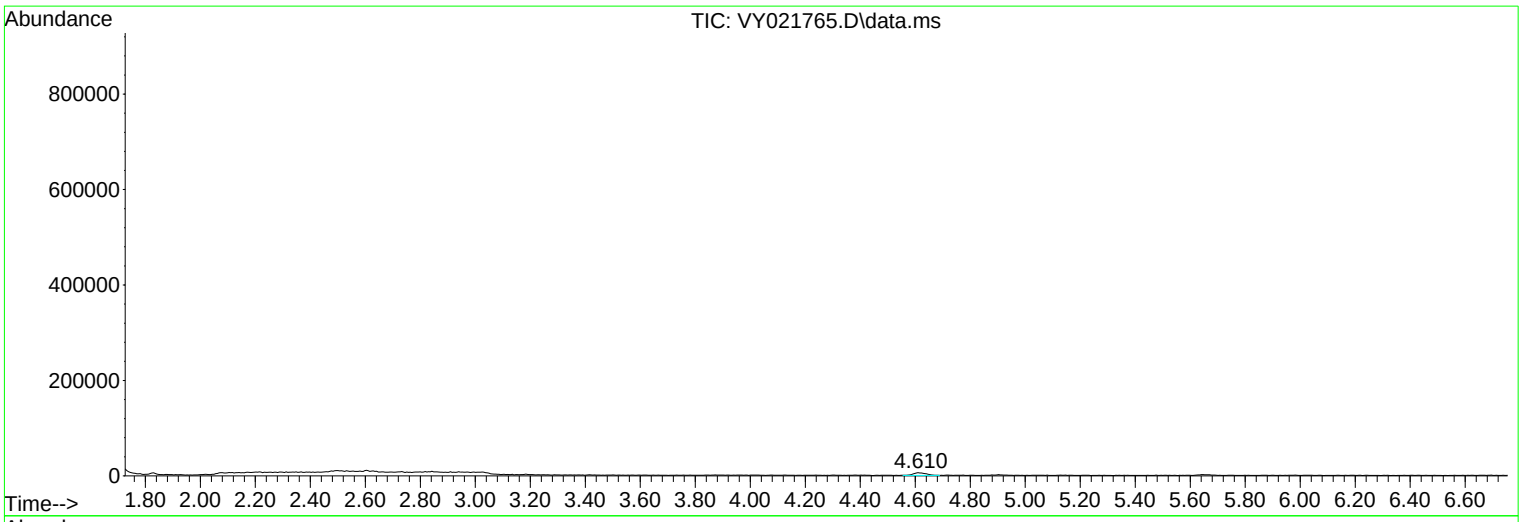
Sample Results: **VY021765.D**

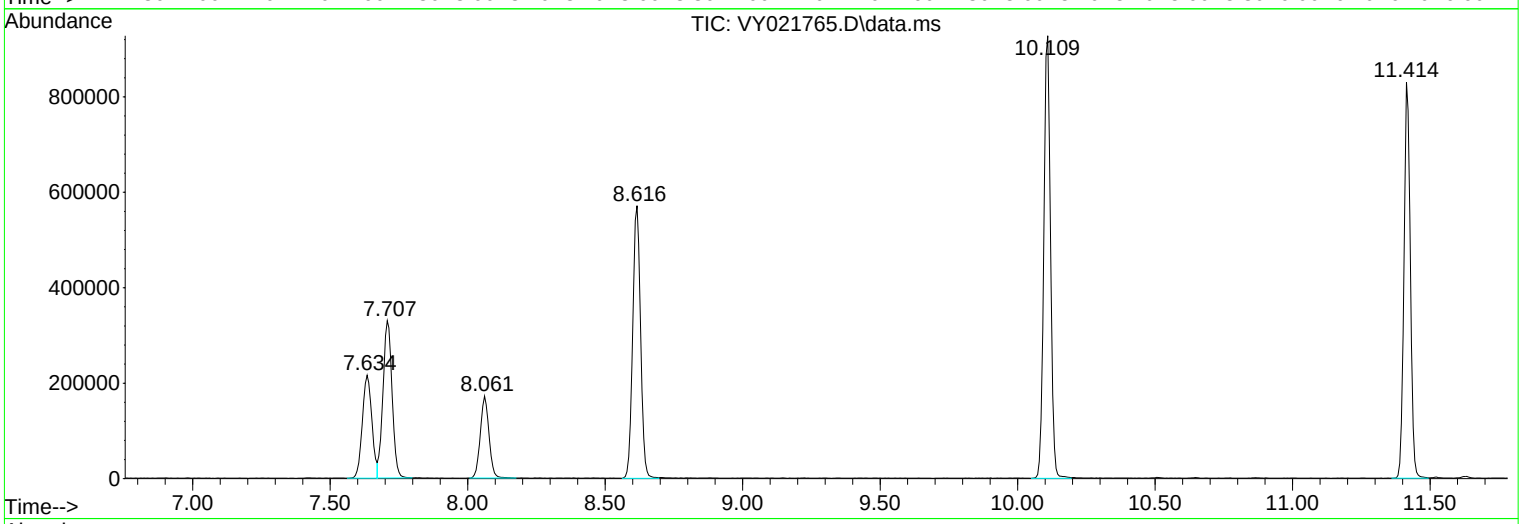
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021765.D
Acq On : 03 Apr 2025 11:34
Operator : SY/MD
Sample : VY0403SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

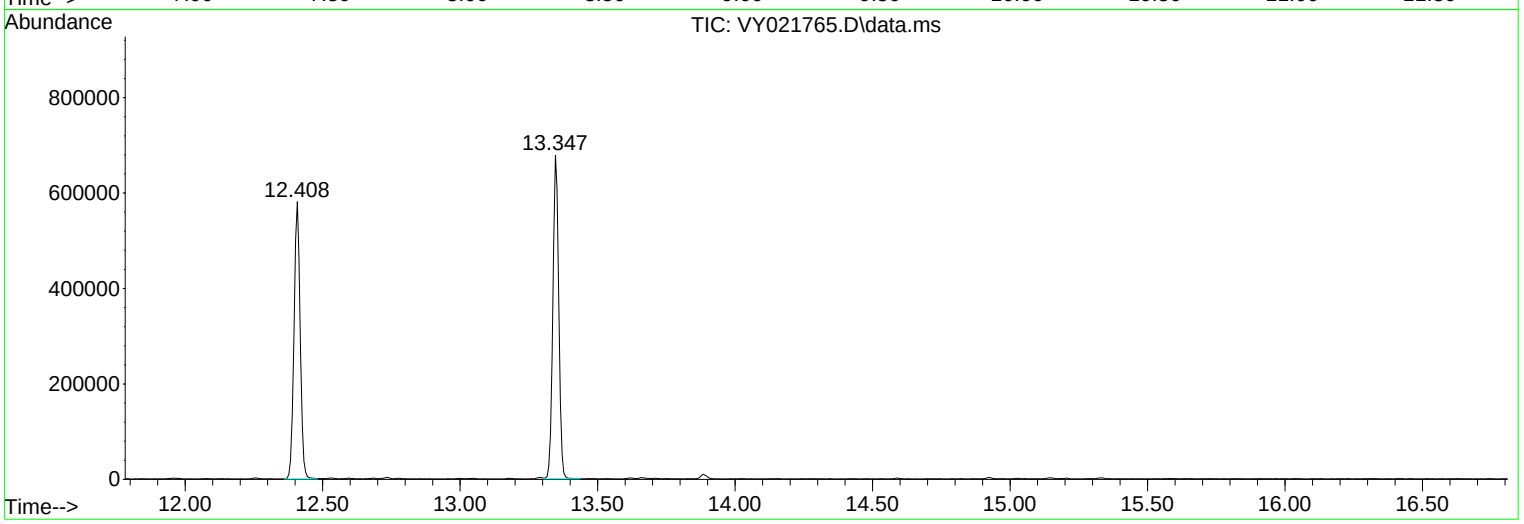
Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY021765.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021765.D
Acq On : 03 Apr 2025 11:34
Operator : SY/MD
Sample : VY0403SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY040325\
Data File : VY021765.D
Acq On : 03 Apr 2025 11:34
Operator : SY/MD
Sample : VY0403SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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: **VY021766.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	VY0403SBS01	SDG No.:	Q1698
Lab Sample ID:	VY0403SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021766.D	1		04/03/25 12:05	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.018		0.0011	0.0050	mg/Kg
74-87-3	Chloromethane	0.019		0.0011	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.019		0.00079	0.0050	mg/Kg
74-83-9	Bromomethane	0.021		0.0011	0.0050	mg/Kg
75-00-3	Chloroethane	0.019		0.0013	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.020		0.0012	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.0010	0.0050	mg/Kg
67-64-1	Acetone	0.10		0.0047	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.019		0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.018		0.00073	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.020		0.0015	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.020		0.0035	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.019		0.00086	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0050	mg/Kg
110-82-7	Cyclohexane	0.018		0.00079	0.0050	mg/Kg
78-93-3	2-Butanone	0.097		0.0065	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.019		0.00097	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.020		0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.020		0.00084	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.019		0.00093	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.018		0.00091	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00079	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00079	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00091	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.020		0.00078	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.094		0.0036	0.025	mg/Kg
108-88-3	Toluene	0.020		0.00078	0.0050	mg/Kg

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	VY0403SBS01	SDG No.:	Q1698
Lab Sample ID:	VY0403SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021766.D	1		04/03/25 12:05	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00062	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.021		0.00092	0.0050	mg/Kg
591-78-6	2-Hexanone	0.096		0.0037	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00087	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.020		0.00088	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.0011	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00091	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.019		0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.039		0.0012	0.010	mg/Kg
95-47-6	o-Xylene	0.020		0.00082	0.0050	mg/Kg
100-42-5	Styrene	0.019		0.00071	0.0050	mg/Kg
75-25-2	Bromoform	0.020		0.00086	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.018		0.00078	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.018		0.0012	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.019		0.0017	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.019		0.0016	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.019		0.0015	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.018		0.0018	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.0030	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.017		0.0032	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	53.0		74 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		38 - 136	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	204000	7.707			
540-36-3	1,4-Difluorobenzene	319000	8.616			
3114-55-4	Chlorobenzene-d5	288000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.346			

Raw Data: **VY021766.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	VY0403SBS01	SDG No.:	Q1698
Lab Sample ID:	VY0403SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021766.D	1		04/03/25 12:05	VY040325

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\VY040325\
Data File : VY021766.D
Acq On : 03 Apr 2025 12:05
Operator : SY/MD
Sample : VY0403SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 01:30:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	203899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	319045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	287712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114675	51.908	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.820%			
35) Dibromofluoromethane	7.634	113	107264	51.829	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.660%			
50) Toluene-d8	10.103	98	417029	52.967	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.940%			
62) 4-Bromofluorobenzene	12.408	95	139715	52.463	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38719	18.321	ug/l	97
3) Chloromethane	2.068	50	57634	19.394	ug/l	98
4) Vinyl Chloride	2.202	62	62762	18.675	ug/l	97
5) Bromomethane	2.592	94	46920	20.470	ug/l	95
6) Chloroethane	2.732	64	42378	19.271	ug/l	100
7) Trichlorofluoromethane	3.056	101	84951	19.733	ug/l	100
8) Diethyl Ether	3.458	74	21891	18.698	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	45633	20.097	ug/l	100
10) Methyl Iodide	4.001	142	42760	17.166	ug/l	97
11) Tert butyl alcohol	4.860	59	12579	87.663	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	40280	18.834	ug/l	95
13) Acrolein	3.653	56	17763	67.795	ug/l	99
14) Allyl chloride	4.379	41	64754	18.990	ug/l	99
15) Acrylonitrile	5.061	53	46816	95.771	ug/l	99
16) Acetone	3.873	43	47011	103.976	ug/l	98
17) Carbon Disulfide	4.104	76	130043	18.461	ug/l	99
18) Methyl Acetate	4.385	43	22391	19.982	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	96663	18.154	ug/l	100
20) Methylene Chloride	4.616	84	48989	19.807	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	45198	19.194	ug/l	96
22) Diisopropyl ether	6.012	45	144188	20.157	ug/l	96
23) Vinyl Acetate	5.958	43	392861	93.881	ug/l	100
24) 1,1-Dichloroethane	5.915	63	84200	19.685	ug/l	98
25) 2-Butanone	6.896	43	62877	97.365	ug/l	97
26) 2,2-Dichloropropane	6.884	77	73885	19.419	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	51515	19.453	ug/l	98
28) Bromochloromethane	7.244	49	36543	20.258	ug/l	100
29) Tetrahydrofuran	7.262	42	39023	93.891	ug/l	100
30) Chloroform	7.421	83	89363	20.087	ug/l	97
31) Cyclohexane	7.701	56	71494	18.336	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	77712	19.327	ug/l	98
36) 1,1-Dichloropropene	7.835	75	61924	19.644	ug/l	99
37) Ethyl Acetate	6.982	43	27986	18.811	ug/l	99
38) Carbon Tetrachloride	7.817	117	70131	19.424	ug/l	98
39) Methylcyclohexane	9.109	83	69119	18.355	ug/l	94
40) Benzene	8.079	78	188326	19.949	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021766.D
Acq On : 03 Apr 2025 12:05
Operator : SY/MD
Sample : VY0403SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 01:30:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16120	20.403	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	53252	20.009	ug/l		100
43) Isopropyl Acetate	8.195	43	52467	18.610	ug/l		99
44) Trichloroethene	8.866	130	48796	20.287	ug/l		91
45) 1,2-Dichloropropane	9.140	63	45773	20.484	ug/l		98
46) Dibromomethane	9.231	93	25737	19.984	ug/l		98
47) Bromodichloromethane	9.426	83	67879	20.341	ug/l		98
48) Methyl methacrylate	9.219	41	23605	18.243	ug/l		99
49) 1,4-Dioxane	9.231	88	5432	393.732	ug/l		90
51) 4-Methyl-2-Pentanone	9.999	43	137528	93.737	ug/l		99
52) Toluene	10.170	92	118375	20.098	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	57716	19.472	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	68474	19.582	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	34324	20.711	ug/l		98
56) Ethyl methacrylate	10.438	69	39663	18.743	ug/l		97
57) 1,3-Dichloropropane	10.719	76	57438	20.067	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	101625	98.440	ug/l		99
59) 2-Hexanone	10.762	43	94217	96.424	ug/l		98
60) Dibromochloromethane	10.908	129	46718	20.646	ug/l		98
61) 1,2-Dibromoethane	11.018	107	30677	19.732	ug/l		100
64) Tetrachloroethene	10.646	164	55603	21.219	ug/l		93
65) Chlorobenzene	11.444	112	128647	19.506	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	46105	19.703	ug/l		98
67) Ethyl Benzene	11.518	91	213523	18.880	ug/l		97
68) m/p-Xylenes	11.627	106	169102	39.047	ug/l		99
69) o-Xylene	11.956	106	78032	19.520	ug/l		98
70) Styrene	11.969	104	128614	19.296	ug/l		99
71) Bromoform	12.133	173	26508	19.859	ug/l	#	99
73) Isopropylbenzene	12.255	105	201307	18.293	ug/l		100
74) N-amyl acetate	12.072	43	44311	17.157	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	35269	17.826	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	26863m	18.290	ug/l		
77) Bromobenzene	12.536	156	49001	18.545	ug/l		98
78) n-propylbenzene	12.597	91	252726	19.102	ug/l		100
79) 2-Chlorotoluene	12.682	91	146564	19.073	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	170917	19.003	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11113	17.435	ug/l		94
82) 4-Chlorotoluene	12.779	91	153312	19.137	ug/l		100
83) tert-Butylbenzene	12.999	119	148078	18.484	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	170432	19.172	ug/l		99
85) sec-Butylbenzene	13.176	105	221275	18.900	ug/l		100
86) p-Isopropyltoluene	13.292	119	183556	18.970	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	98633	18.947	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	99316	19.310	ug/l		98
89) n-Butylbenzene	13.621	91	166238	18.577	ug/l		98
90) Hexachloroethane	13.883	117	40212	18.964	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	87160	19.234	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5565	18.147	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	43337	17.635	ug/l		99
94) Hexachlorobutadiene	15.023	225	28623	18.650	ug/l		98
95) Naphthalene	15.145	128	65442	16.066	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	36228	17.288	ug/l		99

Sample Results: **VY021766.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021766.D
Acq On : 03 Apr 2025 12:05
Operator : SY/MD
Sample : VY0403SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 01:30:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

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

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

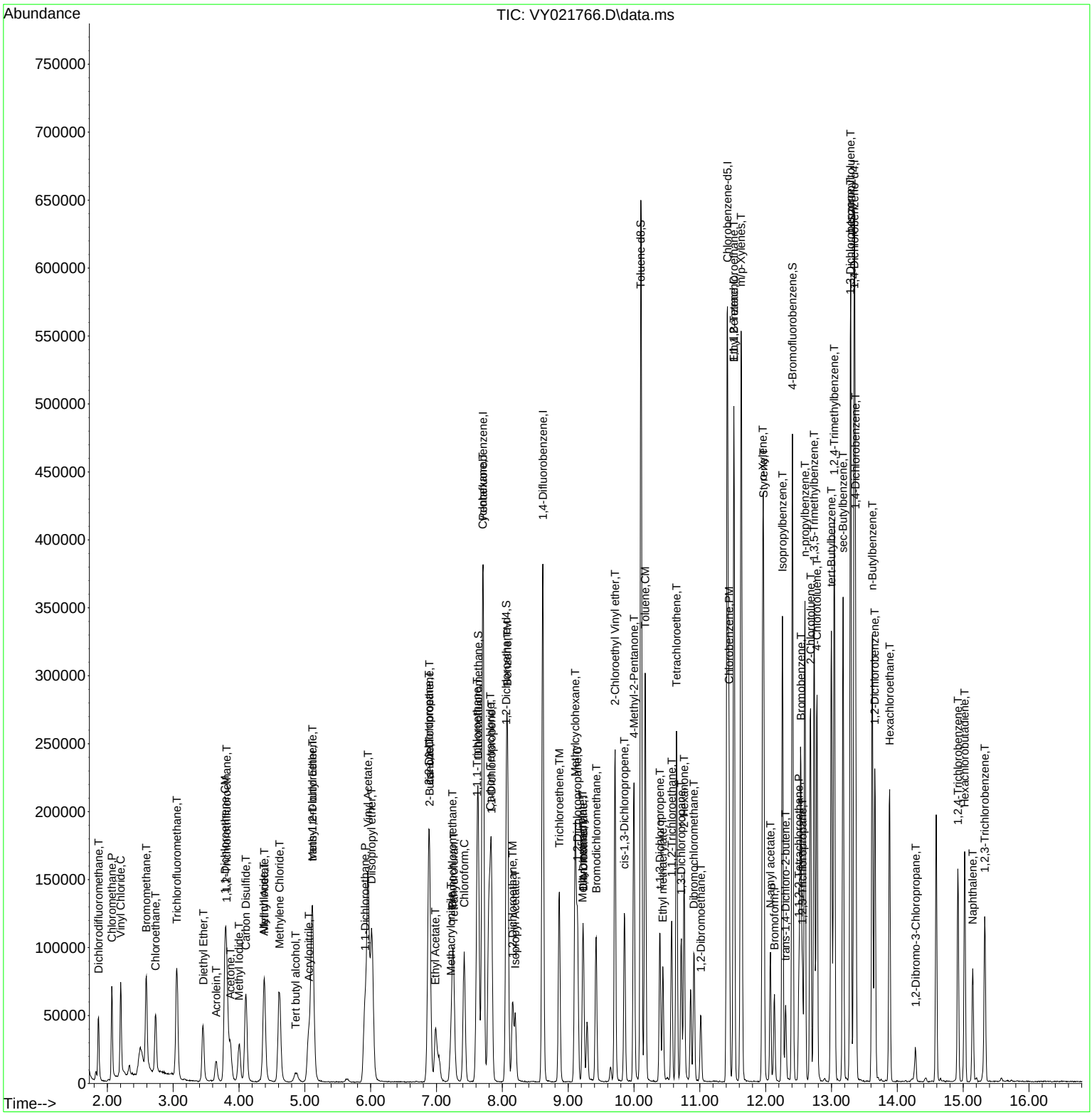
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021766.D
Acq On : 03 Apr 2025 12:05
Operator : SY/MD
Sample : VY0403SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 01:30:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025



Raw Data: **VY021767.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	VY0403SBSD01	SDG No.:	Q1698
Lab Sample ID:	VY0403SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021767.D	1		04/03/25 12:27	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.019		0.0011	0.0050	mg/Kg
74-87-3	Chloromethane	0.020		0.0011	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.019		0.00079	0.0050	mg/Kg
74-83-9	Bromomethane	0.020		0.0011	0.0050	mg/Kg
75-00-3	Chloroethane	0.019		0.0013	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.020		0.0012	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.0010	0.0050	mg/Kg
67-64-1	Acetone	0.098		0.0047	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.019		0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.019		0.00073	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.020		0.0015	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.021		0.0035	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00086	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0050	mg/Kg
110-82-7	Cyclohexane	0.019		0.00079	0.0050	mg/Kg
78-93-3	2-Butanone	0.098		0.0065	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00097	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.021		0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.00084	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00093	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.019		0.00091	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00079	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00079	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.020		0.00078	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.095		0.0036	0.025	mg/Kg
108-88-3	Toluene	0.020		0.00078	0.0050	mg/Kg

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	VY0403SBSD01	SDG No.:	Q1698
Lab Sample ID:	VY0403SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021767.D	1		04/03/25 12:27	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00062	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.020		0.00092	0.0050	mg/Kg
591-78-6	2-Hexanone	0.094		0.0037	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.020		0.00087	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.020		0.00088	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.0011	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00091	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0012	0.010	mg/Kg
95-47-6	o-Xylene	0.020		0.00082	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00071	0.0050	mg/Kg
75-25-2	Bromoform	0.020		0.00086	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.019		0.00078	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.018		0.0012	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.0017	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.0015	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.018		0.0018	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.020		0.0030	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.019		0.0032	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	53.4		74 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		38 - 136	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	7.707			
540-36-3	1,4-Difluorobenzene	330000	8.616			
3114-55-4	Chlorobenzene-d5	290000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.347			

Raw Data: **VY021767.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	VY0403SBSD01	SDG No.:	Q1698
Lab Sample ID:	VY0403SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021767.D	1		04/03/25 12:27	VY040325

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\VY040325\
Data File : VY021767.D
Acq On : 03 Apr 2025 12:27
Operator : SY/MD
Sample : VY0403SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Quant Time: Apr 04 01:30:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	206953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	330176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	290460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	151135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120577	53.774	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.540%			
35) Dibromofluoromethane	7.634	113	114450	53.436	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.880%			
50) Toluene-d8	10.109	98	434813	53.364	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.720%			
62) 4-Bromofluorobenzene	12.402	95	148144	53.752	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	41007	19.117	ug/l	99
3) Chloromethane	2.068	50	60425	20.034	ug/l	96
4) Vinyl Chloride	2.202	62	65669	19.252	ug/l	100
5) Bromomethane	2.592	94	45429	19.527	ug/l	94
6) Chloroethane	2.733	64	43379	19.435	ug/l	98
7) Trichlorofluoromethane	3.056	101	85274	19.515	ug/l	98
8) Diethyl Ether	3.452	74	22113	18.609	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	45645	19.806	ug/l	98
10) Methyl Iodide	4.007	142	47961	18.970	ug/l	100
11) Tert butyl alcohol	4.866	59	13147	90.269	ug/l	97
12) 1,1-Dichloroethene	3.787	96	41987	19.342	ug/l	98
13) Acrolein	3.647	56	17893	67.284	ug/l	100
14) Allyl chloride	4.379	41	67781	19.584	ug/l	100
15) Acrylonitrile	5.055	53	49009	98.778	ug/l	99
16) Acetone	3.867	43	44836	97.702	ug/l	96
17) Carbon Disulfide	4.104	76	135849	19.000	ug/l	100
18) Methyl Acetate	4.385	43	22620	19.888	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	104802	19.392	ug/l	98
20) Methylene Chloride	4.616	84	51868	20.843	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	47203	19.750	ug/l	97
22) Diisopropyl ether	6.019	45	148938	20.514	ug/l	97
23) Vinyl Acetate	5.964	43	414288	97.540	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88747	20.442	ug/l	97
25) 2-Butanone	6.897	43	63939	97.548	ug/l	97
26) 2,2-Dichloropropane	6.884	77	76713	19.865	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	54046	20.108	ug/l	100
28) Bromochloromethane	7.244	49	37486	20.474	ug/l	97
29) Tetrahydrofuran	7.262	42	40503	96.014	ug/l	99
30) Chloroform	7.421	83	93552	20.718	ug/l	97
31) Cyclohexane	7.701	56	75496	19.077	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	82842	20.299	ug/l	100
36) 1,1-Dichloropropene	7.835	75	64217	19.685	ug/l	99
37) Ethyl Acetate	6.982	43	27542	17.889	ug/l	98
38) Carbon Tetrachloride	7.817	117	74148	19.845	ug/l	98
39) Methylcyclohexane	9.110	83	72295	18.551	ug/l	96
40) Benzene	8.079	78	197998	20.266	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021767.D
Acq On : 03 Apr 2025 12:27
Operator : SY/MD
Sample : VY0403SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 01:30:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	14845	18.156	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	53917	19.576	ug/l		100
43) Isopropyl Acetate	8.195	43	55558	19.042	ug/l		100
44) Trichloroethene	8.866	130	50812	20.413	ug/l		98
45) 1,2-Dichloropropane	9.140	63	45905	19.850	ug/l		97
46) Dibromomethane	9.231	93	26619	19.973	ug/l		97
47) Bromodichloromethane	9.420	83	69081	20.003	ug/l		100
48) Methyl methacrylate	9.219	41	25458	19.011	ug/l		99
49) 1,4-Dioxane	9.231	88	5837	408.824	ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	144024	94.855	ug/l		99
52) Toluene	10.170	92	124006	20.344	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	59949	19.544	ug/l		94
54) cis-1,3-Dichloropropene	9.853	75	71637	19.796	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	34016	19.833	ug/l		97
56) Ethyl methacrylate	10.439	69	40692	18.581	ug/l		99
57) 1,3-Dichloropropane	10.719	76	59895	20.220	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	100636	94.196	ug/l		100
59) 2-Hexanone	10.762	43	94957	93.905	ug/l		99
60) Dibromochloromethane	10.908	129	47584	20.320	ug/l		100
61) 1,2-Dibromoethane	11.012	107	31736	19.725	ug/l		98
64) Tetrachloroethene	10.646	164	55572	21.007	ug/l		98
65) Chlorobenzene	11.444	112	134375	20.182	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	47819	20.242	ug/l		99
67) Ethyl Benzene	11.518	91	224229	19.639	ug/l		99
68) m/p-Xylenes	11.627	106	175574	40.158	ug/l		100
69) o-Xylene	11.957	106	80349	19.909	ug/l		100
70) Styrene	11.969	104	135130	20.082	ug/l		100
71) Bromoform	12.133	173	26886	19.952	ug/l	#	97
73) Isopropylbenzene	12.255	105	210404	18.744	ug/l		99
74) N-amyl acetate	12.072	43	46990	17.836	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	35894	17.785	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	28709m	19.163	ug/l		
77) Bromobenzene	12.530	156	51963	19.280	ug/l		99
78) n-propylbenzene	12.597	91	265097	19.643	ug/l		100
79) 2-Chlorotoluene	12.682	91	152039	19.397	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	178205	19.424	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11977	18.421	ug/l		99
82) 4-Chlorotoluene	12.780	91	159765	19.550	ug/l		98
83) tert-Butylbenzene	12.999	119	154476	18.904	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	177024	19.523	ug/l		100
85) sec-Butylbenzene	13.176	105	231107	19.352	ug/l		100
86) p-Isopropyltoluene	13.292	119	192480	19.501	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	105187	19.809	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	102985	19.630	ug/l		97
89) n-Butylbenzene	13.615	91	173191	18.974	ug/l		100
90) Hexachloroethane	13.883	117	41078	18.992	ug/l		97
91) 1,2-Dichlorobenzene	13.658	146	90950	19.676	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5733	18.328	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	49775	19.857	ug/l		97
94) Hexachlorobutadiene	15.023	225	31852	20.346	ug/l		96
95) Naphthalene	15.145	128	75684	18.215	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	40825	19.098	ug/l		98

Sample Results: **VY021767.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021767.D
Acq On : 03 Apr 2025 12:27
Operator : SY/MD
Sample : VY0403SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 01:30:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

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

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

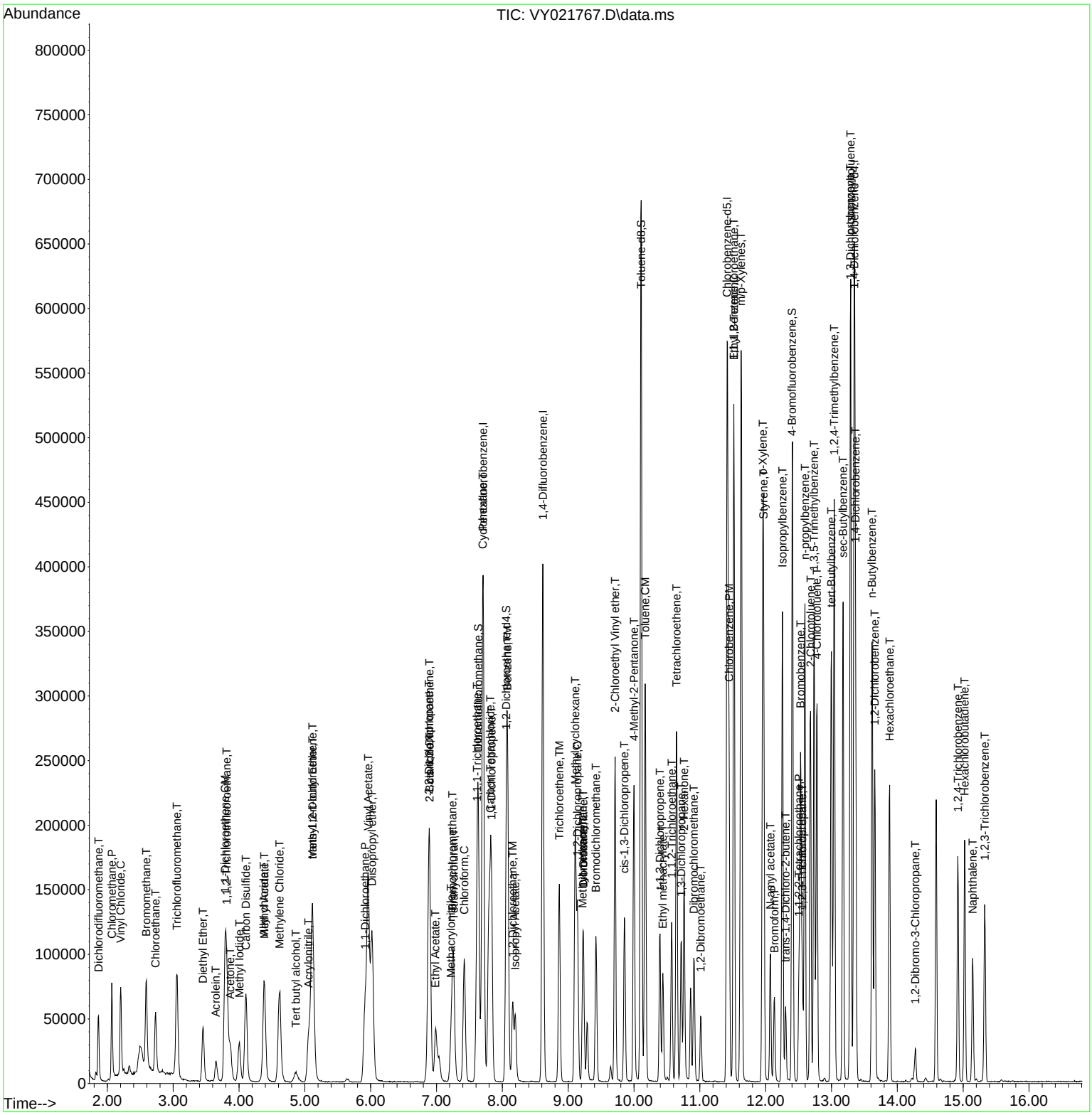
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
Data File : VY021767.D
Acq On : 03 Apr 2025 12:27
Operator : SY/MD
Sample : VY0403SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 01:30:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025



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

Manual Integration Report

Sequence:	vy032725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021656.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	Methacrylonitrile	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	Methacrylonitrile	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC020	VY021658.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:20 AM	MMDadoda	3/28/2025 9:32:41 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	Methacrylonitrile	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICC100	VY021660.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:15 AM	MMDadoda	3/28/2025 9:32:49 AM	Peak Integrated by Software
VSTDICC150	VY021661.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:43 AM	MMDadoda	3/28/2025 9:32:53 AM	Peak Integrated by Software
VSTDICV050	VY021663.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:11 AM	MMDadoda	3/28/2025 9:32:04 AM	Peak Integrated by Software
VSTDCCC050	VY021680.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:58 AM	MMDadoda	3/28/2025 9:32:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy040325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021764.D	1,2,3-Trichloropropane	Sam	4/4/2025 7:55:02 AM	mmdadoda	4/4/2025 7:57:13 AM	Peak Integrated by Software
VY0403SBS01	VY021766.D	1,2,3-Trichloropropane	Sam	4/4/2025 7:55:03 AM	mmdadoda	4/4/2025 7:57:14 AM	Peak Integrated by Software
VY0403SBSD01	VY021767.D	1,2,3-Trichloropropane	Sam	4/4/2025 7:55:06 AM	mmdadoda	4/4/2025 7:57:16 AM	Peak Integrated by Software
VSTDCCC050	VY021774.D	1,2,3-Trichloropropane	Sam	4/4/2025 7:55:08 AM	mmdadoda	4/4/2025 7:57:17 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021655.D	27 Mar 2025 09:23	SY/MD	Ok
2	VSTDICC005	VY021656.D	27 Mar 2025 10:08	SY/MD	Ok,M
3	VSTDICC010	VY021657.D	27 Mar 2025 10:31	SY/MD	Ok,M
4	VSTDICC020	VY021658.D	27 Mar 2025 10:54	SY/MD	Ok,M
5	VSTDICCC050	VY021659.D	27 Mar 2025 11:16	SY/MD	Ok,M
6	VSTDICC100	VY021660.D	27 Mar 2025 11:39	SY/MD	Ok,M
7	VSTDICC150	VY021661.D	27 Mar 2025 12:02	SY/MD	Ok,M
8	VIBLK	VY021662.D	27 Mar 2025 12:35	SY/MD	Ok
9	VSTDICV050	VY021663.D	27 Mar 2025 13:15	SY/MD	Ok,M
10	VY0327SBL01	VY021664.D	27 Mar 2025 13:59	SY/MD	Ok
11	VY0327SBS01	VY021665.D	27 Mar 2025 14:38	SY/MD	Ok,M
12	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00	SY/MD	Ok,M
13	Q1661-02	VY021667.D	27 Mar 2025 15:24	SY/MD	Not Ok
14	Q1645-03RE	VY021668.D	27 Mar 2025 15:48	SY/MD	Confirms
15	Q1662-03	VY021669.D	27 Mar 2025 16:11	SY/MD	Not Ok
16	Q1662-07	VY021670.D	27 Mar 2025 16:35	SY/MD	ReRun
17	Q1661-02	VY021671.D	27 Mar 2025 16:58	SY/MD	Not Ok
18	Q1650-02	VY021672.D	27 Mar 2025 17:21	SY/MD	Not Ok
19	Q1654-01	VY021673.D	27 Mar 2025 17:45	SY/MD	Ok
20	Q1656-01	VY021674.D	27 Mar 2025 18:08	SY/MD	Not Ok
21	Q1648-09	VY021675.D	27 Mar 2025 18:32	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1648-07	VY021676.D	27 Mar 2025 18:55	SY/MD	Ok
23	Q1648-05	VY021677.D	27 Mar 2025 19:19	SY/MD	Ok
24	Q1648-01	VY021678.D	27 Mar 2025 19:42	SY/MD	Ok
25	Q1648-03	VY021679.D	27 Mar 2025 20:05	SY/MD	Ok
26	VSTDCCC050	VY021680.D	27 Mar 2025 20:28	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040325

Review By	Semsettin Yesilyurt	Review On	4/4/2025 7:55:11 AM				
Supervise By	Mahesh Dadoda	Supervise On	4/4/2025 7:57:22 AM				
SubDirectory	VY040325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133579
Initial Calibration Stds	
CCC	VP133580,VP133581
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021763.D	03 Apr 2025 10:29	SY/MD	Ok
2	VSTDCCC050	VY021764.D	03 Apr 2025 11:01	SY/MD	Ok,M
3	VY0403SBL01	VY021765.D	03 Apr 2025 11:34	SY/MD	Ok
4	VY0403SBS01	VY021766.D	03 Apr 2025 12:05	SY/MD	Ok,M
5	VY0403SBSD01	VY021767.D	03 Apr 2025 12:27	SY/MD	Ok,M
6	Q1685-01	VY021768.D	03 Apr 2025 13:10	SY/MD	Ok
7	Q1698-03	VY021769.D	03 Apr 2025 13:33	SY/MD	Ok
8	Q1698-09	VY021770.D	03 Apr 2025 13:56	SY/MD	Ok
9	Q1706-01	VY021771.D	03 Apr 2025 14:20	SY/MD	Ok
10	Q1706-03	VY021772.D	03 Apr 2025 14:43	SY/MD	Ok
11	Q1695-07	VY021773.D	03 Apr 2025 15:07	SY/MD	Ok
12	VSTDCCC050	VY021774.D	03 Apr 2025 15:32	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021655.D	27 Mar 2025 09:23		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021656.D	27 Mar 2025 10:08		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021657.D	27 Mar 2025 10:31		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021658.D	27 Mar 2025 10:54	Comp.#20 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021659.D	27 Mar 2025 11:16		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021660.D	27 Mar 2025 11:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021661.D	27 Mar 2025 12:02		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021662.D	27 Mar 2025 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY032725	VY021663.D	27 Mar 2025 13:15		SY/MD	Ok,M
10	VY0327SBL01	VY0327SBL01	VY021664.D	27 Mar 2025 13:59		SY/MD	Ok
11	VY0327SBS01	VY0327SBS01	VY021665.D	27 Mar 2025 14:38		SY/MD	Ok,M
12	VY0327SBSD01	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00		SY/MD	Ok,M
13	Q1661-02	351	VY021667.D	27 Mar 2025 15:24	vial-B Not purge	SY/MD	Not Ok
14	Q1645-03RE	TP-4-VOCRE	VY021668.D	27 Mar 2025 15:48	vial-B Internal Standard Fail	SY/MD	Confirms
15	Q1662-03	TP-6-VOC	VY021669.D	27 Mar 2025 16:11	vial-A NOT PURGE	SY/MD	Not Ok
16	Q1662-07	TP-7-VOC	VY021670.D	27 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1661-02	351	VY021671.D	27 Mar 2025 16:58	vial-A NOT PURGE	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1650-02	STOCK-PILE-BIN2	VY021672.D	27 Mar 2025 17:21	vial-A NOT PURGE	SY/MD	Not Ok
19	Q1654-01	RT3407	VY021673.D	27 Mar 2025 17:45	vial-A Internal Standard Fail	SY/MD	Ok
20	Q1656-01	VNJ239	VY021674.D	27 Mar 2025 18:08	vial-A NOT PURGE	SY/MD	Not Ok
21	Q1648-09	TP-7	VY021675.D	27 Mar 2025 18:32	vial-A	SY/MD	Ok
22	Q1648-07	TP-6	VY021676.D	27 Mar 2025 18:55	vial-A	SY/MD	Ok
23	Q1648-05	TP-3	VY021677.D	27 Mar 2025 19:19	vial-A	SY/MD	Ok
24	Q1648-01	TP-4	VY021678.D	27 Mar 2025 19:42	vial-A	SY/MD	Ok
25	Q1648-03	TP-5	VY021679.D	27 Mar 2025 20:05	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021680.D	27 Mar 2025 20:28		SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040325

Review By	Semsettin Yesilyurt	Review On	4/4/2025 7:55:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/4/2025 7:57:22 AM		
SubDirectory	VY040325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133579
Initial Calibration Stds	
CCC	VP133580,VP133581
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021763.D	03 Apr 2025 10:29		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021764.D	03 Apr 2025 11:01		SY/MD	Ok,M
3	VY0403SBL01	VY0403SBL01	VY021765.D	03 Apr 2025 11:34		SY/MD	Ok
4	VY0403SBS01	VY0403SBS01	VY021766.D	03 Apr 2025 12:05		SY/MD	Ok,M
5	VY0403SBSD01	VY0403SBSD01	VY021767.D	03 Apr 2025 12:27		SY/MD	Ok,M
6	Q1685-01	HR-02-040125	VY021768.D	03 Apr 2025 13:10	vial-B	SY/MD	Ok
7	Q1698-03	B-9	VY021769.D	03 Apr 2025 13:33	vial-A	SY/MD	Ok
8	Q1698-09	B-10	VY021770.D	03 Apr 2025 13:56	vial-A	SY/MD	Ok
9	Q1706-01	PL-01-040225	VY021771.D	03 Apr 2025 14:20	vial-A	SY/MD	Ok
10	Q1706-03	PL-02-040225	VY021772.D	03 Apr 2025 14:43	vial-A	SY/MD	Ok
11	Q1695-07	TT-3-VOC	VY021773.D	03 Apr 2025 15:07	vial-A	SY/MD	Ok
12	VSTDCCC050	VSTDCCC050EC	VY021774.D	03 Apr 2025 15:32		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 04/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:17
Out Date: 04/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135267

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
Q1694-01	TP-18	1	1.13	10.64	11.77	10.5	88.1	
Q1694-02	TP-18-EPH	2	1.13	10.64	11.77	9.5	78.7	
Q1694-03	TP-18-VOC	3	1.15	10.40	11.55	10.11	86.2	
Q1695-01	TT-2	4	1.14	10.33	11.47	10.21	87.8	
Q1695-02	TT-2-EPH	5	1.16	10.08	11.24	9.91	86.8	
Q1695-03	TT-2-VOC	6	1.19	10.43	11.62	10.37	88.0	
Q1695-05	TT-3	7	1.14	10.49	11.63	10.72	91.3	
Q1695-06	TT-3-EPH	8	1.19	10.73	11.92	11.01	91.5	
Q1695-07	TT-3-VOC	9	1.16	10.29	11.45	10.47	90.5	
Q1698-01	B-9	10	1.14	10.39	11.53	10.8	93.0	
Q1698-03	B-9	11	1.15	10.39	11.54	10.77	92.6	
Q1698-04	B-9-TPH-2	12	1.19	10.10	11.29	10.51	92.3	
Q1698-05	B-9-TPH-3	13	1.12	10.06	11.18	10.34	91.7	
Q1698-06	B-9-TPH-4	14	1.15	10.34	11.49	10.66	92.0	
Q1698-07	B-10	15	1.14	10.59	11.73	11.03	93.4	
Q1698-09	B-10	16	1.12	10.30	11.42	10.71	93.1	
Q1698-10	B-10-TPH-2	17	1.13	10.71	11.84	11.18	93.8	
Q1698-11	B-10-TPH-3	18	1.14	10.29	11.43	10.73	93.2	
Q1698-12	B-10-TPH-4	19	1.18	10.37	11.55	10.77	92.5	
Q1699-01	34882	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1701-01	4225-A	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1701-02	4225-B	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1701-03	32825-A	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1701-04	32825-B	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1705-01	ETGI-327	25	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1705-02	ETGI-275	26	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1706-01	PL-01-040225	27	1.13	10.28	11.41	10.37	89.9	
Q1706-02	PL-01-040225-E2	28	1.14	10.39	11.53	10.46	89.7	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 04/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:17
Out Date: 04/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135267

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
Q1706-03	PL-02-040225	29	1.16	10.61	11.77	10.63	89.3	
Q1706-04	PL-02-040225-E2	30	1.13	10.37	11.5	10.32	88.6	
Q1708-01	QQ3	31	1.00	1.00	2.00	2.00	100.0	
Q1709-01	4125-A	32	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1709-02	4125-B	33	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1709-03	4125-C	34	1.00	1.00	2.00	2.00	100.0	wipe sample

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

WORKLIST(Hardcopy Internal Chain)

VB 135267

WorkList Name : %1-040225 **WorkList ID :** 188677 **Department :** Wet-Chemistry **Date :** 04-02-2025 09:33:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1708-01	QQ3	Solid	Percent Solids	Cool 4 deg C	ALLI03		04/02/2025	Chemtech -SO
Q1698-01	B-9	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1698-03	B-9	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1698-04	B-9-TPH-2	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1698-05	B-9-TPH-3	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1698-06	B-9-TPH-4	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1698-07	B-10	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1698-09	B-10	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1698-10	B-10-TPH-2	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1698-11	B-10-TPH-3	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1698-12	B-10-TPH-4	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1694-01	TP-18	Solid	Percent Solids	Cool 4 deg C	TULL02	I41	04/02/2025	Chemtech -SO
Q1694-02	TP-18-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	04/01/2025	Chemtech -SO
Q1694-03	TP-18-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	04/01/2025	Chemtech -SO
Q1695-01	TT-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	04/01/2025	Chemtech -SO
Q1695-02	TT-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	04/02/2025	Chemtech -SO
Q1695-03	TT-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	04/02/2025	Chemtech -SO
Q1709-03	4125-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	04/02/2025	Chemtech -SO
Q1701-03	32825-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/02/2025	Chemtech -SO
Q1701-04	32825-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/02/2025	Chemtech -SO
Q1705-01	ETGI-327	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/02/2025	Chemtech -SO
					PSEG03	L12	04/02/2025	Chemtech -SO

Date/Time 04/02/25 15:30

Raw Sample Received by: JD (WDC)

Raw Sample Relinquished by: JD (CSM)

Date/Time 04/02/25 17:10

Raw Sample Received by: JD (CSM)

Raw Sample Relinquished by: JD (WDC)

WORKLIST(Hardcopy Internal Chain)

JR 135267

WorkList Name : %1-040225 **WorkList ID :** 188677 **Department :** Wet-Chemistry **Date :** 04-02-2025 09:33:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1705-02	ETGI-275	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/02/2025	Chemtech -SO
Q1709-01	4125-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/02/2025	Chemtech -SO
Q1709-02	4125-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/02/2025	Chemtech -SO
Q1695-05	TT-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/02/2025	Chemtech -SO
Q1695-06	TT-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	04/02/2025	Chemtech -SO
Q1695-07	TT-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	04/02/2025	Chemtech -SO
Q1699-01	34882	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	04/02/2025	Chemtech -SO
Q1701-01	4225-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/02/2025	Chemtech -SO
Q1701-02	4225-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/02/2025	Chemtech -SO
Q1706-01	PL-01-040225	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/02/2025	Chemtech -SO
Q1706-02	PL-01-040225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I31	04/02/2025	Chemtech -SO
Q1706-03	PL-02-040225	Solid	Percent Solids	Cool 4 deg C	PSEG05	I31	04/02/2025	Chemtech -SO
Q1706-04	PL-02-040225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I31	04/02/2025	Chemtech -SO

Date/Time 04/02/25 15:30

Raw Sample Received by: TB (WC)

Raw Sample Relinquished by: JD (SM)

Date/Time 04/02/25 17:10

Raw Sample Received by: JD (SM)

Raw Sample Relinquished by: TB (WC)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q1698
COC Number 2045926

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Tully Construction Co. Inc
ADDRESS: Rockway Freeway & Beach Channel
CITY Queens STATE: NY ZIP: 11691
ATTENTION: Dean Devoe
PHONE: FAX:

CLIENT PROJECT INFORMATION

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

CLIENT 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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOCs 2: SVOC + PCB 3: TCLP Extraction 4: Corrosivity 5: Ignitability 6: Reactive Cyn 7: Reactive Sulfide 8: Mercury, Metals 9: TPH

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES E/F 1	E 2	E 3	E 4	E 5	E 6	E 7	E 8	E 9	COMMENTS
1.	B-9	SOL	X		040225	0810	8		X	X	X	X	X	X	X	X	
2.	B-9			X		0815	4	X									0.0 ppm
3.	B-9-TPH-2		X			0817	1									X	
4.	B-9-TPH-3		X			0819	1									X	
5.	B-9-TPH-4		X			0822	1									X	
6.	B-10		X			0835	8		X	X	X	X	X	X	X	X	
7.	B-10			X		0839	4	X									0.0 ppm
8.	B-10-TPH-2		X			0842	1									X	
9.	B-10-TPH-3		X			0845	1									X	
10.	B-10-TPH-4		X			0848	1									X	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	0930 04-02-25	1.
2.	DATE/TIME:	2.
3.	1200 04-02-25	3.

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.2 °C
Comments: Collected (2) 8:1 Composite sample + (4) 5:1 Composite samples for Sampling protocal TPH.
PID Calibration 04-02-25

Page 1 of 1
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☒ YES ☐ NO

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

04-02-25

Legend

Boring Location

Approximate Property Boundary

0 95 190 380 570 Feet

MATRIX NEW WORLD
Engineering Progress

Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
333 West 39th Street, Suite 202 Tel: 973-240-1800
New York, New York 10018 Fax: 973-240-1818
WBE / DBE / SBE www.matrixneworld.com
STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

AS DRILLED BORING LOCATION MAP

SUBSTATION 117
ROCKAWAY FREEWAY & BEACH CHANNEL DRIVE
BLOCK 16166, LOT 100
ROCKAWAY PARK, QUEENS, NEW YORK

JUNE 2019	FIGURE 4

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: _____
Service Order #: _____
Work Order #: _____
Labor WBS #: _____
Facility/Site: Substation 117
Site Address: Rockaway freeway & Beach Channel Dr, Queens NY

Chemtech Order ID: _____
Sampler Name: Jeremy M
Client Project Coordinator & Phone: Dean Devoe
Page #: 1 of 1
Date: 04-02-25
Arrive Time: 0800
Depart Time: 0930

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: N/A **Dimensions/CY**: N/A
Temp (range): 2.2 °C **PID Readings (range)**: 0.0 PPM **Odor**: Y (N) **Color**: Y (N)
Sample Description: Dark Brown Soil, Sand, Gravel.
Field Observations: (2) Location (B-9 & B-10)

Grid/Area Composite Map:

QA Control # A3041134

See Attached Map *

Sampler Signature: _____
Client Signature: _____
Supervisor Review/Date: _____
Date/Time Arrived at Lab: _____

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 : Q1698 TULL02
Client Name : Tully Construction Co., Inc.
Client Contact : Dean Devoe
Invoice Name : Tully Construction Co., Inc.
Invoice Contact : Dean Devoe

Order Date : 4/2/2025 12:14:00 PM
Project Name : MTA Rockaway Park
Receive DateTime : 4/2/2025 12:00:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : Excel NY 375
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1698-03	B-9	Solid	04/02/2025	08:15					
					VOC-TCLVOA-10		8260D		5 Bus. Days
Q1698-09	B-10	Solid	04/02/2025	08:39					
					VOC-TCLVOA-10		8260D		5 Bus. Days

Relinguished By : [signature]
Date / Time : 04-02-25 1330

Received By : [signature]
Date / Time : 04.02.25 13:30

Storage Area : VOA Refridgerator Room