284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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

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

LAB CHRONICLE

OrderID:	Q3790	**OrderDate:**	12/5/2025 10:01:00 AM
Client:	Tully Construction Co., Inc.	**Project:**	MTA 26 Stations - Pierrepont
Contact:	Dean Devoe	**Location:**	D31,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3790-03	**304 FURMAN SOIL**	**SOIL**			**12/05/25**			**12/05/25**
			VOC-TCLVOA-10	8260D			12/08/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3790

Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3790

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3790-03	304 FURMAN SOIL	1,2-Dichloroethane-d4	50	38.5	77		63	155
		Dibromofluoromethane	50	38.6	77		70	134
		Toluene-d8	50	32.4	65	*	74	123
		4-Bromofluorobenzene	50	26.6	53		52	138
VW1208SBL01	VW1208SBL01	1,2-Dichloroethane-d4	50	54.2	108		63	155
		Dibromofluoromethane	50	50.7	101		70	134
		Toluene-d8	50	49.3	99		74	123
		4-Bromofluorobenzene	50	45.1	90		52	138
VW1208SBS01	VW1208SBS01	1,2-Dichloroethane-d4	50	50.1	100		63	155
		Dibromofluoromethane	50	48.5	97		70	134
		Toluene-d8	50	47.7	95		74	123
		4-Bromofluorobenzene	50	47.3	95		52	138
VW1208SBSD0	VW1208SBSD01	1,2-Dichloroethane-d4	50	55.6	111		63	155
		Dibromofluoromethane	50	54.4	109		70	134
		Toluene-d8	50	55.7	111		74	123
		4-Bromofluorobenzene	50	53.4	107		52	138

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3790 **Analytical Method:** SW8260D

Client: Tully Construction Co., Inc. **Datafile :** VW032585.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1208SBS01	Dichlorodifluoromethane	20	22.5	ug/Kg	113			64	136	
	Chloromethane	20	18.8	ug/Kg	94			73	129	
	Vinyl chloride	20	20.0	ug/Kg	100			73	133	
	Bromomethane	20	19.6	ug/Kg	98			77	137	
	Chloroethane	20	19.5	ug/Kg	98			69	130	
	Trichlorofluoromethane	20	20.8	ug/Kg	104			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			81	123	
	1,1-Dichloroethene	20	19.6	ug/Kg	98			79	121	
	Acetone	100	110	ug/Kg	110			60	174	
	Carbon disulfide	20	19.9	ug/Kg	100			73	125	
	Methyl tert-butyl Ether	20	20.8	ug/Kg	104			77	129	
	Methyl Acetate	20	20.9	ug/Kg	104			51	140	
	Methylene Chloride	20	19.3	ug/Kg	97			54	158	
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98			80	123	
	1,1-Dichloroethane	20	20.1	ug/Kg	101			82	123	
	Cyclohexane	20	20.1	ug/Kg	101			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	19.6	ug/Kg	98			76	129	
	cis-1,2-Dichloroethene	20	19.1	ug/Kg	96			82	123	
	Bromochloromethane	20	20.6	ug/Kg	103			80	127	
	Chloroform	20	19.9	ug/Kg	100			82	125	
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100			80	126	
	Methylcyclohexane	20	19.3	ug/Kg	97			77	123	
	Benzene	20	19.1	ug/Kg	96			84	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			81	126	
	Trichloroethene	20	19.4	ug/Kg	97			83	122	
	1,2-Dichloropropane	20	19.9	ug/Kg	100			83	122	
	Bromodichloromethane	20	19.7	ug/Kg	99			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	19.7	ug/Kg	99			83	122	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			78	124	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			81	122	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	19.4	ug/Kg	97			79	125	
	1,2-Dibromoethane	20	20.6	ug/Kg	103			80	125	
	Tetrachloroethene	20	18.1	ug/Kg	91			83	125	
	Chlorobenzene	20	17.9	ug/Kg	90			84	122	
	Ethyl Benzene	20	18.2	ug/Kg	91			82	124	
	m/p-Xylenes	40	37.4	ug/Kg	94			83	124	
	o-Xylene	20	18.0	ug/Kg	90			83	123	
	Styrene	20	19.3	ug/Kg	97			82	124	
	Bromoform	20	19.1	ug/Kg	96			75	127	
	Isopropylbenzene	20	18.7	ug/Kg	94			82	124	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103			77	127	
	1,3-Dichlorobenzene	20	19.3	ug/Kg	97			83	122	
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95			84	121	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			83	124	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3790 **Analytical Method:** SW8260D

Client: Tully Construction Co., Inc. **Datafile :** VW032585.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1208SBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			66	134	
	1,2,4-Trichlorobenzene	20	17.3	ug/Kg	86			78	127	
	1,2,3-Trichlorobenzene	20	17.9	ug/Kg	90			70	137	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3790 **Analytical Method:** SW8260D

Client: Tully Construction Co., Inc. **Datafile :** VW032589.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual		Limits Low	Limits High	RPD
VW1208SBSD01	Dichlorodifluoromethane	20	22.0	ug/Kg	110	3			64	136	20
	Chloromethane	20	18.9	ug/Kg	95	1			73	129	15
	Vinyl chloride	20	20.9	ug/Kg	104	4			73	133	15
	Bromomethane	20	19.9	ug/Kg	100	2			77	137	15
	Chloroethane	20	19.8	ug/Kg	99	1			69	130	15
	Trichlorofluoromethane	20	21.1	ug/Kg	106	2			69	134	27
	1,1,2-Trichlorotrifluoroethane	20	21.9	ug/Kg	110	7			81	123	20
	1,1-Dichloroethene	20	20.0	ug/Kg	100	2			79	121	16
	Acetone	100	110	ug/Kg	110	0			60	174	28
	Carbon disulfide	20	19.6	ug/Kg	98	2			73	125	15
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104	0			77	129	20
	Methyl Acetate	20	20.1	ug/Kg	101	3			51	140	30
	Methylene Chloride	20	20.6	ug/Kg	103	6			54	158	20
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99	1			80	123	15
	1,1-Dichloroethane	20	19.8	ug/Kg	99	2			82	123	15
	Cyclohexane	20	20.6	ug/Kg	103	2			76	122	15
	2-Butanone	100	110	ug/Kg	110	10			69	131	29
	Carbon Tetrachloride	20	19.8	ug/Kg	99	1			76	129	15
	cis-1,2-Dichloroethene	20	19.4	ug/Kg	97	1			82	123	15
	Bromochloromethane	20	29.0	ug/Kg	145	34	*	*	80	127	15
	Chloroform	20	20.0	ug/Kg	100	0			82	125	15
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101	1			80	126	15
	Methylcyclohexane	20	20.5	ug/Kg	103	6			77	123	15
	Benzene	20	19.6	ug/Kg	98	2			84	121	15
	1,2-Dichloroethane	20	20.5	ug/Kg	103	3			81	126	15
	Trichloroethene	20	19.4	ug/Kg	97	0			83	122	15
	1,2-Dichloropropane	20	20.2	ug/Kg	101	1			83	122	15
	Bromodichloromethane	20	19.8	ug/Kg	99	0			82	123	15
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0			70	135	26
	Toluene	20	20.4	ug/Kg	102	3			83	122	15
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99	3			78	124	15
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101	4			81	122	15
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102	1			82	125	15
	2-Hexanone	100	110	ug/Kg	110	0			66	138	27
	Dibromochloromethane	20	20.2	ug/Kg	101	4			79	125	15
	1,2-Dibromoethane	20	20.4	ug/Kg	102	1			80	125	16
	Tetrachloroethene	20	19.9	ug/Kg	100	9			83	125	15
	Chlorobenzene	20	20.3	ug/Kg	102	13			84	122	15
	Ethyl Benzene	20	20.4	ug/Kg	102	11			82	124	15
	m/p-Xylenes	40	41.4	ug/Kg	104	10			83	124	15
	o-Xylene	20	20.7	ug/Kg	104	14			83	123	15
	Styrene	20	20.9	ug/Kg	104	7			82	124	15
	Bromoform	20	20.8	ug/Kg	104	8			75	127	16
	Isopropylbenzene	20	20.4	ug/Kg	102	8			82	124	15
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	6			77	127	21
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	5			83	122	15
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99	4			84	121	15
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106	7			83	124	15

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3790**	**Analytical Method:**	**SW8260D**
Client:	**Tully Construction Co., Inc.**	**Datafile :**	VW032589.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW1208SBSD01	1,2-Dibromo-3-Chloropropane	20	20.7	ug/Kg	104	5		66	134	20
	1,2,4-Trichlorobenzene	20	19.6	ug/Kg	98	13		78	127	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	9		70	137	16

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VW1208SBL01

Lab Name: Alliance Contract: TULL02

Lab Code: ACE SDG NO.: Q3790

Lab File ID: VW032584.D Lab Sample ID: VW1208SBL01

Date Analyzed: 12/08/2025 Time Analyzed: 10:18

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

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1208SBS01	VW1208SBS01	VW032585.D	12/08/2025
VW1208SBSD01	VW1208SBSD01	VW032589.D	12/08/2025
304 FURMAN SOIL	Q3790-03	VW032592.D	12/08/2025

COMMENTS:

Raw Data: **VW032560.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: TULL02
Lab Code: ACE
SDG NO.: Q3790
Lab File ID: VW032560.D
BFB Injection Date: 12/03/2025
Instrument ID: MSVOA_W
BFB Injection Time: 09:27
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	21.3
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	68.5
175	5.0 - 9.0% of mass 174	5.2 (7.5) 1
176	95.0 - 101.0% of mass 174	67.5 (98.5) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW032563.D	12/03/2025	11:32
VSTDICC010	VSTDICC010	VW032564.D	12/03/2025	11:53
VSTDICC020	VSTDICC020	VW032565.D	12/03/2025	12:15
VSTDICCC050	VSTDICCC050	VW032566.D	12/03/2025	12:37
VSTDICC100	VSTDICC100	VW032567.D	12/03/2025	12:58
VSTDICC150	VSTDICC150	VW032568.D	12/03/2025	13:20

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: TULL02
Lab Code: ACE
SDG NO.: Q3790
Lab File ID: VW032582.D
BFB Injection Date: 12/08/2025
Instrument ID: MSVOA_W
BFB Injection Time: 08:11
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	20.1
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.5
175	5.0 - 9.0% of mass 174	5.4 (7.9) 1
176	95.0 - 101.0% of mass 174	64.1 (95.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032583.D	12/08/2025	09:40
VW1208SBL01	VW1208SBL01	VW032584.D	12/08/2025	10:18
VW1208SBS01	VW1208SBS01	VW032585.D	12/08/2025	11:01
VW1208SBSD01	VW1208SBSD01	VW032589.D	12/08/2025	12:39
304 FURMAN SOIL	Q3790-03	VW032592.D	12/08/2025	13:44

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL02

Lab Code: ACE SDG NO.: Q3790

Lab File ID: VW032583.D Date Analyzed: 12/08/2025

Instrument ID: MSVOA_W Time Analyzed: 09:40

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	354482	7.96	643883	8.85	585250	11.64
UPPER LIMIT	708964	8.459	1287770	9.349	1170500	12.135
LOWER LIMIT	177241	7.459	321942	8.349	292625	11.135
EPA SAMPLE NO.						
304 FURMAN SOIL	148034 *	7.96	272134 *	8.85	235198 *	11.64
VW1208SBL01	314569	7.97	616405	8.85	548609	11.63
VW1208SBS01	346269	7.97	656064	8.86	619620	11.64
VW1208SBSD01	314458	7.97	582852	8.85	505370	11.63

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL02

Lab Code: ACE SDG NO.: Q3790

Lab File ID: VW032583.D Date Analyzed: 12/08/2025

Instrument ID: MSVOA_W Time Analyzed: 09:40

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

	IS4 AREA #		RT #				
12 HOUR STD	270635		13.55				
UPPER LIMIT	541270		14.05				
LOWER LIMIT	135318		13.05				
EPA SAMPLE NO.							
304 FURMAN SOIL	77597	*	13.56				
VW1208SBL01	222458		13.56				
VW1208SBS01	286140		13.55				
VW1208SBSD01	246600		13.56				

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: **VW032592.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:	12/05/25
Project:	MTA 26 Stations - Pierrepont	Date Received:	12/05/25
Client Sample ID:	304 FURMAN SOIL	SDG No.:	Q3790
Lab Sample ID:	Q3790-03	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	85.6
Sample Wt/Vol:	5.4 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0012	U	1	0.0012	0.0054	mg/Kg	12/08/25 13:44	VW120825
74-87-3	Chloromethane	0.0012	U	1	0.0012	0.0054	mg/Kg	12/08/25 13:44	VW120825
75-01-4	Vinyl Chloride	0.00085	U	1	0.00085	0.0054	mg/Kg	12/08/25 13:44	VW120825
74-83-9	Bromomethane	0.0012	U	1	0.0012	0.0054	mg/Kg	12/08/25 13:44	VW120825
75-00-3	Chloroethane	0.0014	U	1	0.0014	0.0054	mg/Kg	12/08/25 13:44	VW120825
75-69-4	Trichlorofluoromethane	0.0013	U	1	0.0013	0.0054	mg/Kg	12/08/25 13:44	VW120825
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0011	U	1	0.0011	0.0054	mg/Kg	12/08/25 13:44	VW120825
75-35-4	1,1-Dichloroethene	0.0011	U	1	0.0011	0.0054	mg/Kg	12/08/25 13:44	VW120825
67-64-1	Acetone	0.0051	U	1	0.0051	0.027	mg/Kg	12/08/25 13:44	VW120825
75-15-0	Carbon Disulfide	0.0011	U	1	0.0011	0.0054	mg/Kg	12/08/25 13:44	VW120825
1634-04-4	Methyl tert-butyl Ether	0.00079	U	1	0.00079	0.0054	mg/Kg	12/08/25 13:44	VW120825
79-20-9	Methyl Acetate	0.0017	U	1	0.0017	0.0054	mg/Kg	12/08/25 13:44	VW120825
75-09-2	Methylene Chloride	0.0038	U	1	0.0038	0.011	mg/Kg	12/08/25 13:44	VW120825
156-60-5	trans-1,2-Dichloroethene	0.00093	U	1	0.00093	0.0054	mg/Kg	12/08/25 13:44	VW120825
75-34-3	1,1-Dichloroethane	0.00087	U	1	0.00087	0.0054	mg/Kg	12/08/25 13:44	VW120825
110-82-7	Cyclohexane	0.00085	U	1	0.00085	0.0054	mg/Kg	12/08/25 13:44	VW120825
78-93-3	2-Butanone	0.0071	U	1	0.0071	0.027	mg/Kg	12/08/25 13:44	VW120825
56-23-5	Carbon Tetrachloride	0.0010	U	1	0.0010	0.0054	mg/Kg	12/08/25 13:44	VW120825
156-59-2	cis-1,2-Dichloroethene	0.00081	U	1	0.00081	0.0054	mg/Kg	12/08/25 13:44	VW120825
74-97-5	Bromochloromethane	0.0012	UQ	1	0.0012	0.0054	mg/Kg	12/08/25 13:44	VW120825
67-66-3	Chloroform	0.00091	U	1	0.00091	0.0054	mg/Kg	12/08/25 13:44	VW120825
71-55-6	1,1,1-Trichloroethane	0.0010	U	1	0.0010	0.0054	mg/Kg	12/08/25 13:44	VW120825
108-87-2	Methylcyclohexane	0.00098	U	1	0.00098	0.0054	mg/Kg	12/08/25 13:44	VW120825
71-43-2	Benzene	0.00085	U	1	0.00085	0.0054	mg/Kg	12/08/25 13:44	VW120825
107-06-2	1,2-Dichloroethane	0.00085	U	1	0.00085	0.0054	mg/Kg	12/08/25 13:44	VW120825
79-01-6	Trichloroethene	0.00088	U	1	0.00088	0.0054	mg/Kg	12/08/25 13:44	VW120825
78-87-5	1,2-Dichloropropane	0.00098	U	1	0.00098	0.0054	mg/Kg	12/08/25 13:44	VW120825
75-27-4	Bromodichloromethane	0.00084	U	1	0.00084	0.0054	mg/Kg	12/08/25 13:44	VW120825
108-10-1	4-Methyl-2-Pentanone	0.0039	U	1	0.0039	0.027	mg/Kg	12/08/25 13:44	VW120825
108-88-3	Toluene	0.00084	U	1	0.00084	0.0054	mg/Kg	12/08/25 13:44	VW120825
10061-02-6	t-1,3-Dichloropropene	0.00070	U	1	0.00070	0.0054	mg/Kg	12/08/25 13:44	VW120825
10061-01-5	cis-1,3-Dichloropropene	0.00067	U	1	0.00067	0.0054	mg/Kg	12/08/25 13:44	VW120825
79-00-5	1,1,2-Trichloroethane	0.0010	U	1	0.0010	0.0054	mg/Kg	12/08/25 13:44	VW120825
591-78-6	2-Hexanone	0.0040	U	1	0.0040	0.027	mg/Kg	12/08/25 13:44	VW120825
124-48-1	Dibromochloromethane	0.00094	U	1	0.00094	0.0054	mg/Kg	12/08/25 13:44	VW120825
106-93-4	1,2-Dibromoethane	0.00095	U	1	0.00095	0.0054	mg/Kg	12/08/25 13:44	VW120825
127-18-4	Tetrachloroethene	0.0011	U	1	0.0011	0.0054	mg/Kg	12/08/25 13:44	VW120825
108-90-7	Chlorobenzene	0.00098	U	1	0.00098	0.0054	mg/Kg	12/08/25 13:44	VW120825
100-41-4	Ethyl Benzene	0.00072	U	1	0.00072	0.0054	mg/Kg	12/08/25 13:44	VW120825
179601-23-1	m/p-Xylenes	0.0013	U	1	0.0013	0.011	mg/Kg	12/08/25 13:44	VW120825
95-47-6	o-Xylene	0.00089	U	1	0.00089	0.0054	mg/Kg	12/08/25 13:44	VW120825
100-42-5	Styrene	0.00077	U	1	0.00077	0.0054	mg/Kg	12/08/25 13:44	VW120825
75-25-2	Bromoform	0.00093	U	1	0.00093	0.0054	mg/Kg	12/08/25 13:44	VW120825

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:	12/05/25
Project:	MTA 26 Stations - Pierrepont			Date Received:	12/05/25
Client Sample ID:	304 FURMAN SOIL			SDG No.:	Q3790
Lab Sample ID:	Q3790-03			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	85.6
Sample Wt/Vol:	5.4 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.00084	U	1	0.00084	0.0054	mg/Kg	12/08/25 13:44	VW120825
79-34-5	1,1,2,2-Tetrachloroethane	0.0013	U	1	0.0013	0.0054	mg/Kg	12/08/25 13:44	VW120825
541-73-1	1,3-Dichlorobenzene	0.0018	U	1	0.0018	0.0054	mg/Kg	12/08/25 13:44	VW120825
106-46-7	1,4-Dichlorobenzene	0.0017	U	1	0.0017	0.0054	mg/Kg	12/08/25 13:44	VW120825
95-50-1	1,2-Dichlorobenzene	0.0016	U	1	0.0016	0.0054	mg/Kg	12/08/25 13:44	VW120825
96-12-8	1,2-Dibromo-3-Chloropropane	0.0020	U	1	0.0020	0.0054	mg/Kg	12/08/25 13:44	VW120825
120-82-1	1,2,4-Trichlorobenzene	0.0032	U	1	0.0032	0.0054	mg/Kg	12/08/25 13:44	VW120825
87-61-6	1,2,3-Trichlorobenzene	0.0034	U	1	0.0034	0.0054	mg/Kg	12/08/25 13:44	VW120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	38.5			63 - 155	77%	SPK: 50		
1868-53-7	Dibromofluoromethane	38.6			70 - 134	77%	SPK: 50		
2037-26-5	Toluene-d8	32.4	*		74 - 123	65%	SPK: 50		
460-00-4	4-Bromofluorobenzene	26.6			52 - 138	53%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	148000							
540-36-3	1,4-Difluorobenzene	272000							
3114-55-4	Chlorobenzene-d5	235000							
3855-82-1	1,4-Dichlorobenzene-d4	77600							

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

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

Sample Results: **VW032592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032592.D
Acq On : 08 Dec 2025 13:44
Operator : SY/MD
Sample : Q3790-03
Misc : 5.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

Quant Time: Dec 09 02:18:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

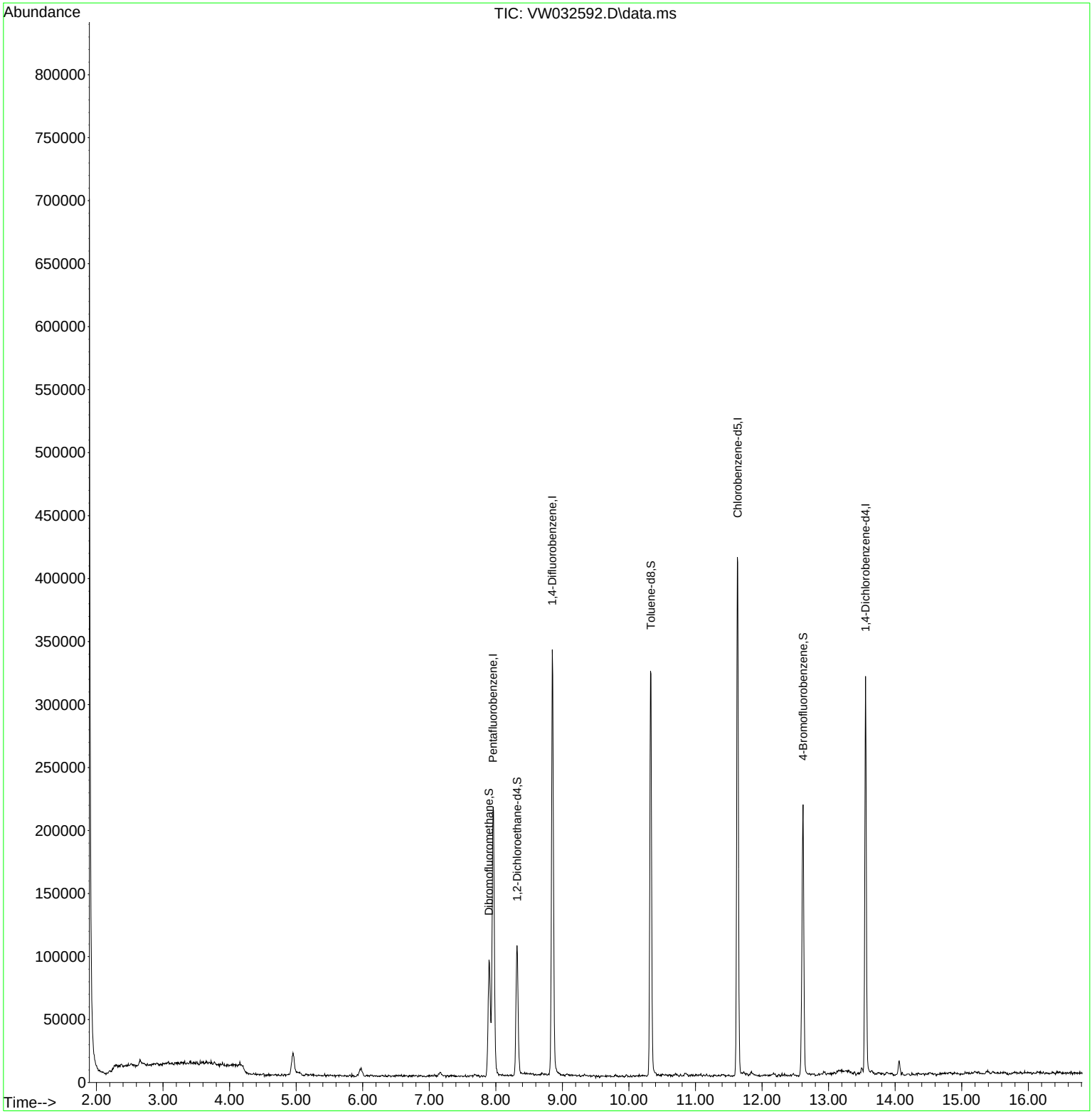
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	148034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	272134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	235198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	77597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	84907	38.541	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	77.080%		
35) Dibromofluoromethane	7.898	113	69054	38.560	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	77.120%		
50) Toluene-d8	10.331	98	218514	32.427	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	64.860%#		
62) 4-Bromofluorobenzene	12.617	95	66322	26.639	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	53.280%		
Target Compounds						Qvalue

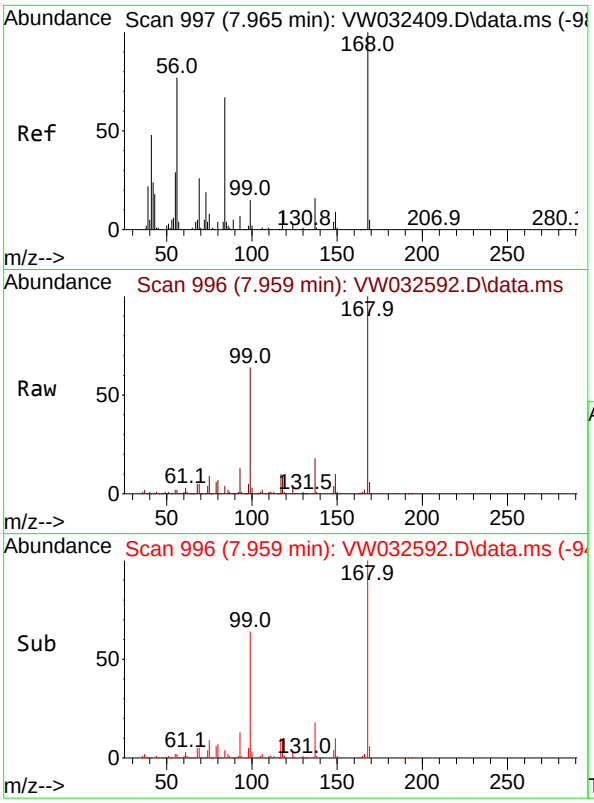
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032592.D
Acq On : 08 Dec 2025 13:44
Operator : SY/MD
Sample : Q3790-03
Misc : 5.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

Quant Time: Dec 09 02:18:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration



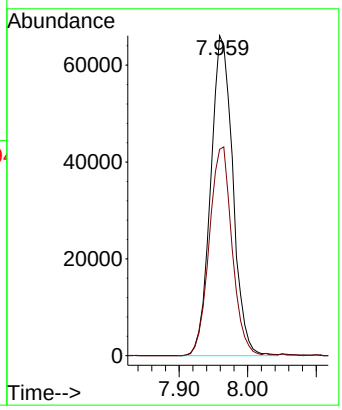


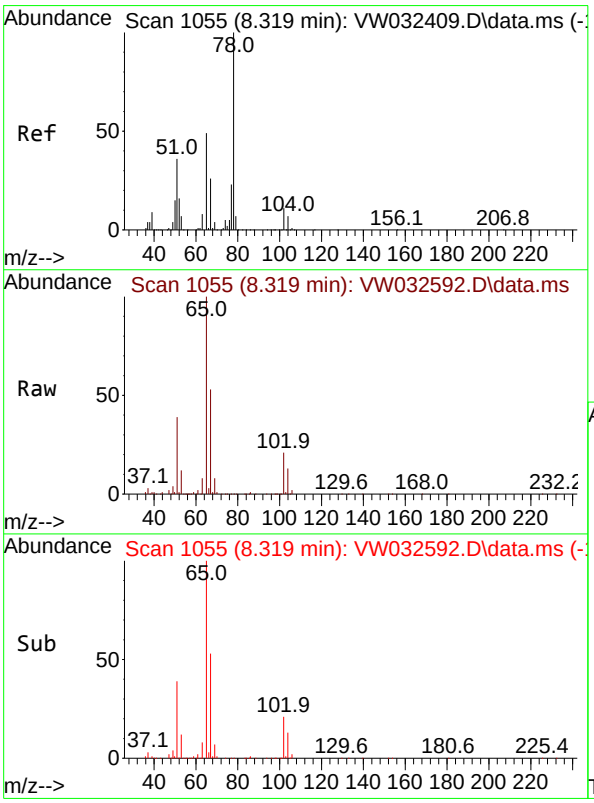
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

Tgt Ion:168 Resp: 148034

Ion	Ratio	Lower	Upper
168	100		
99	64.5	51.8	77.8

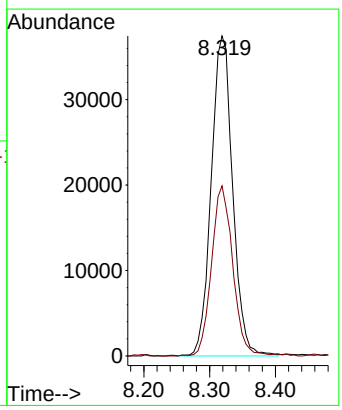


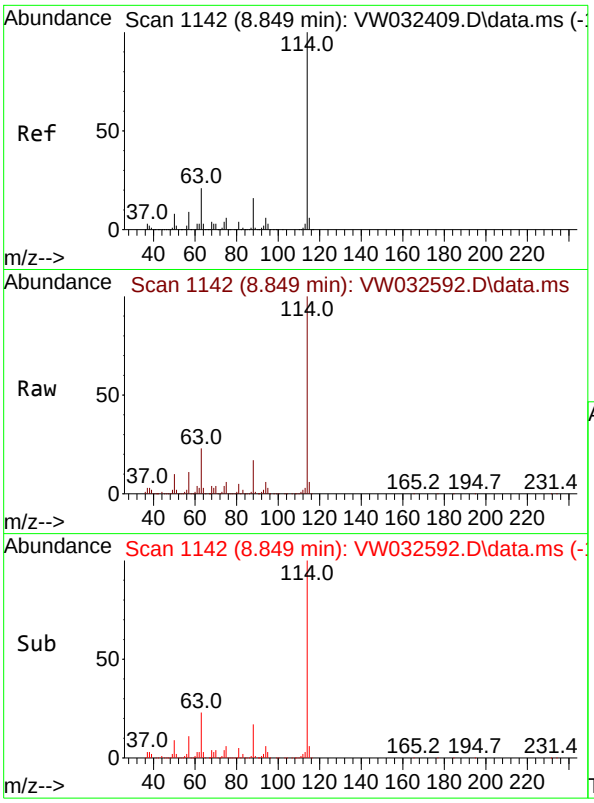


#33
1,2-Dichloroethane-d4
Concen: 38.541 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Tgt Ion: 65 Resp: 84907

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	108.0



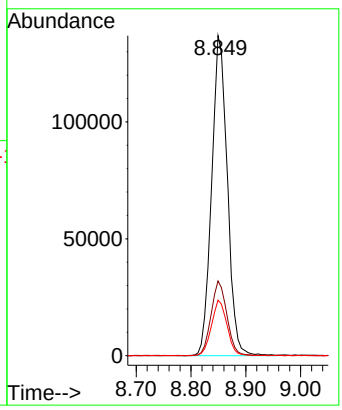


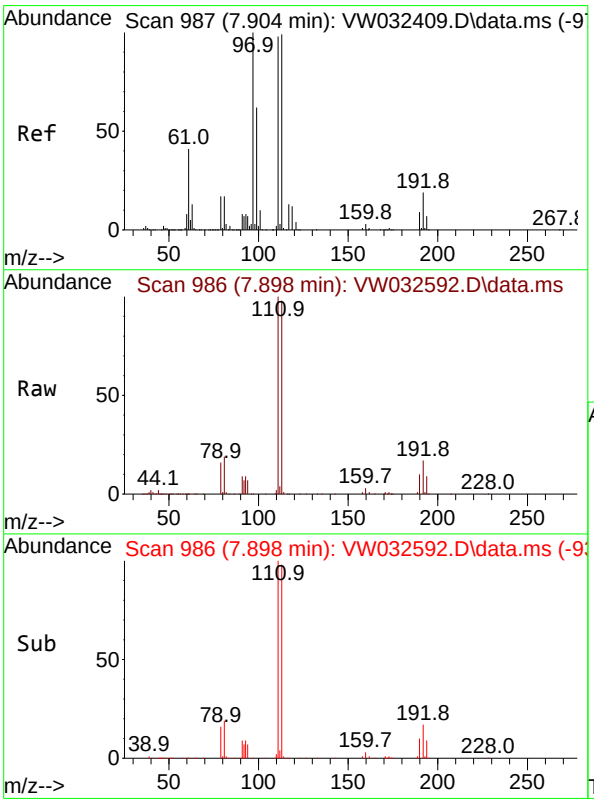
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

Tgt Ion:114 Resp: 272134

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	40.6
88	17.4	0.0	31.2

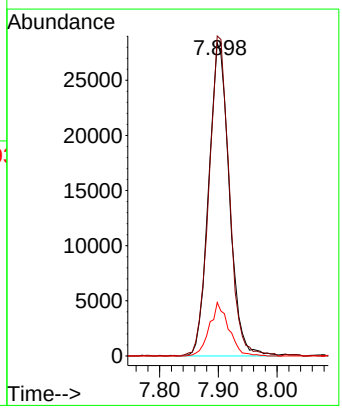


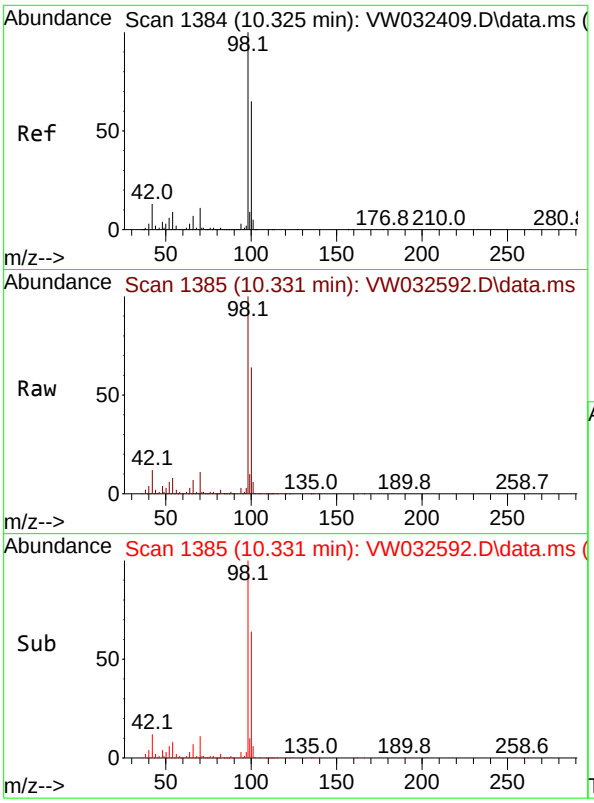


#35
Dibromofluoromethane
Concen: 38.560 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Tgt Ion:113 Resp: 69054

Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.4	125.0
192	16.1	13.4	20.2



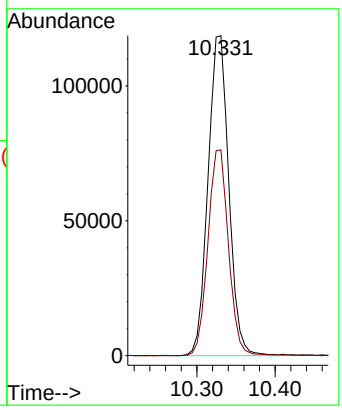


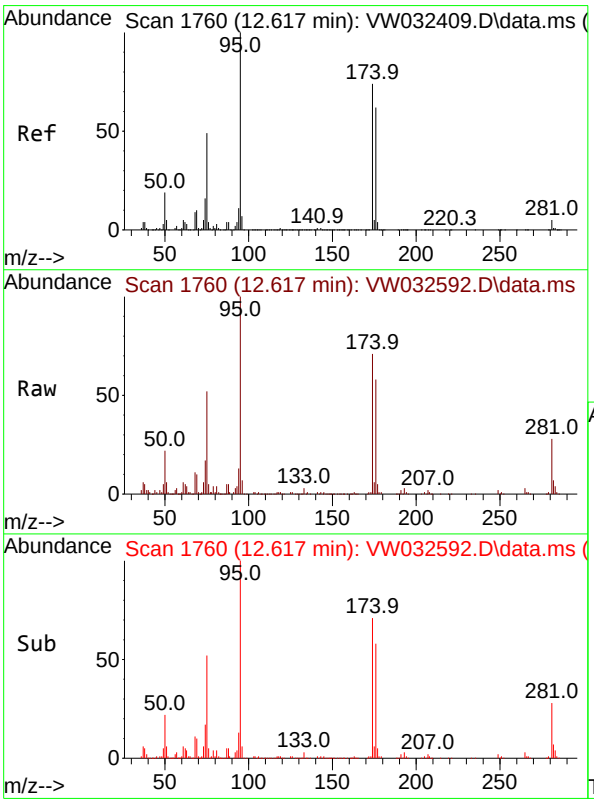
#50
Toluene-d8
Concen: 32.427 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

Tgt Ion: 98 Resp: 218514

Ion	Ratio	Lower	Upper
98	100		
100	63.9	54.7	82.1

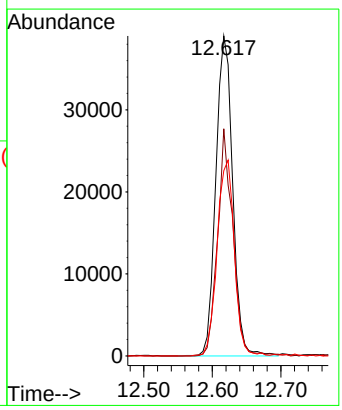


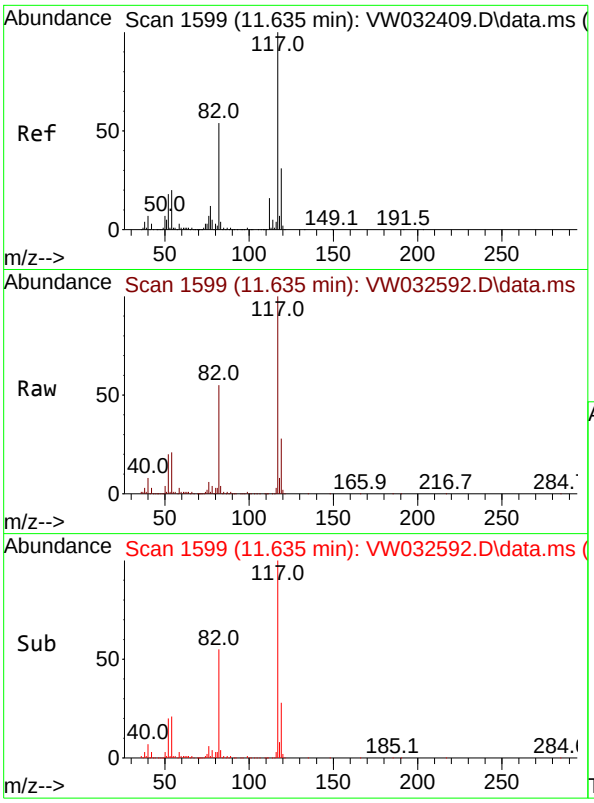


#62
4-Bromofluorobenzene
Concen: 26.639 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Tgt Ion: 95 Resp: 66322

Ion	Ratio	Lower	Upper
95	100		
174	64.6	0.0	141.2
176	62.8	0.0	130.8



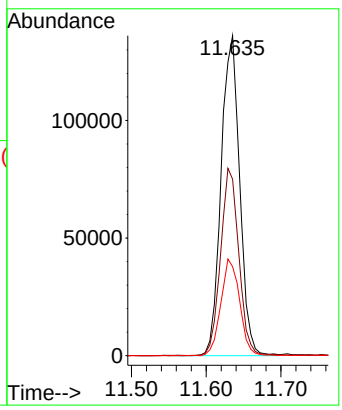


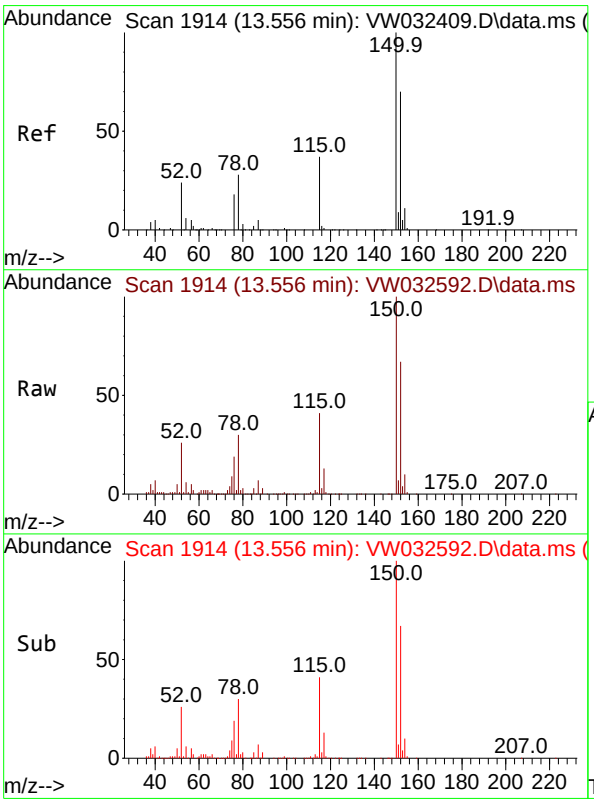
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

Tgt Ion:117 Resp: 235198

Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.9	68.9
119	27.8	26.3	39.5

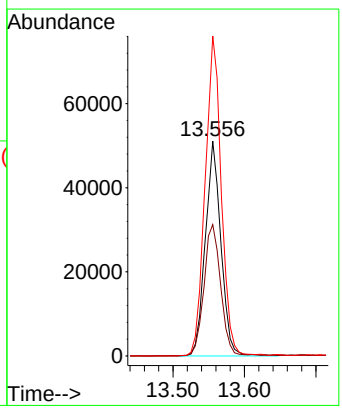




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Tgt Ion:152 Resp: 77597

Ion	Ratio	Lower	Upper
152	100		
115	65.1	31.1	93.3
150	153.8	0.0	351.2



Sample Results: **VW032592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032592.D
Acq On : 08 Dec 2025 13:44
Operator : SY/MD
Sample : Q3790-03
Misc : 5.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

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_W\Method\82W120325S.M
Title : SW846 8260

Signal : TIC: VW032592.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	494	503	511	rBV2	17145	49991	6.80%	1.257%
2	5.978	669	671	681	rVB6	6814	11460	1.56%	0.288%
3	7.898	977	986	991	rBV2	92819	228762	31.12%	5.754%
4	7.959	991	996	1006	rVB	211705	485092	65.99%	12.201%
5	8.319	1046	1055	1064	rBV	103289	234882	31.95%	5.908%
6	8.849	1134	1142	1156	rBV	337431	686180	93.35%	17.259%
7	10.325	1377	1384	1395	rBV	320757	590060	80.27%	14.842%
8	11.629	1591	1598	1607	rBV	411638	735071	100.00%	18.489%
9	12.617	1749	1760	1772	rBV3	215858	434628	59.13%	10.932%
10	13.556	1908	1914	1926	rVB	314407	498564	67.83%	12.540%
11	14.062	1991	1997	2002	rVB	11158	21049	2.86%	0.529%

Sum of corrected areas: 3975739

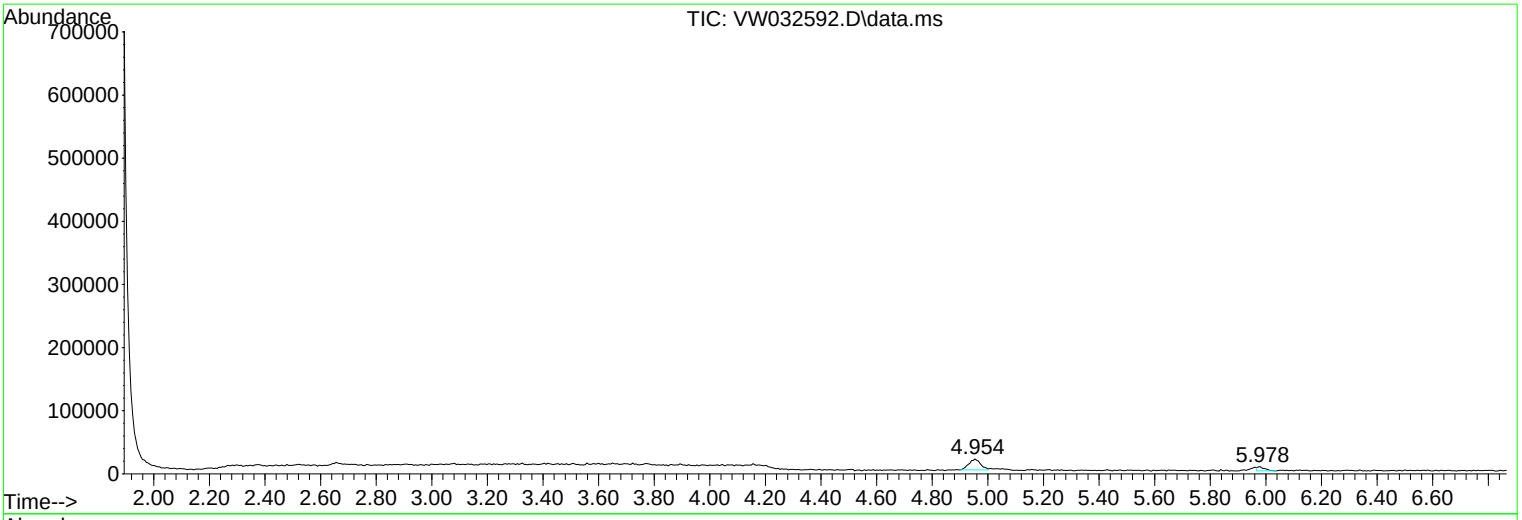
Sample Results: **VW032592.D**

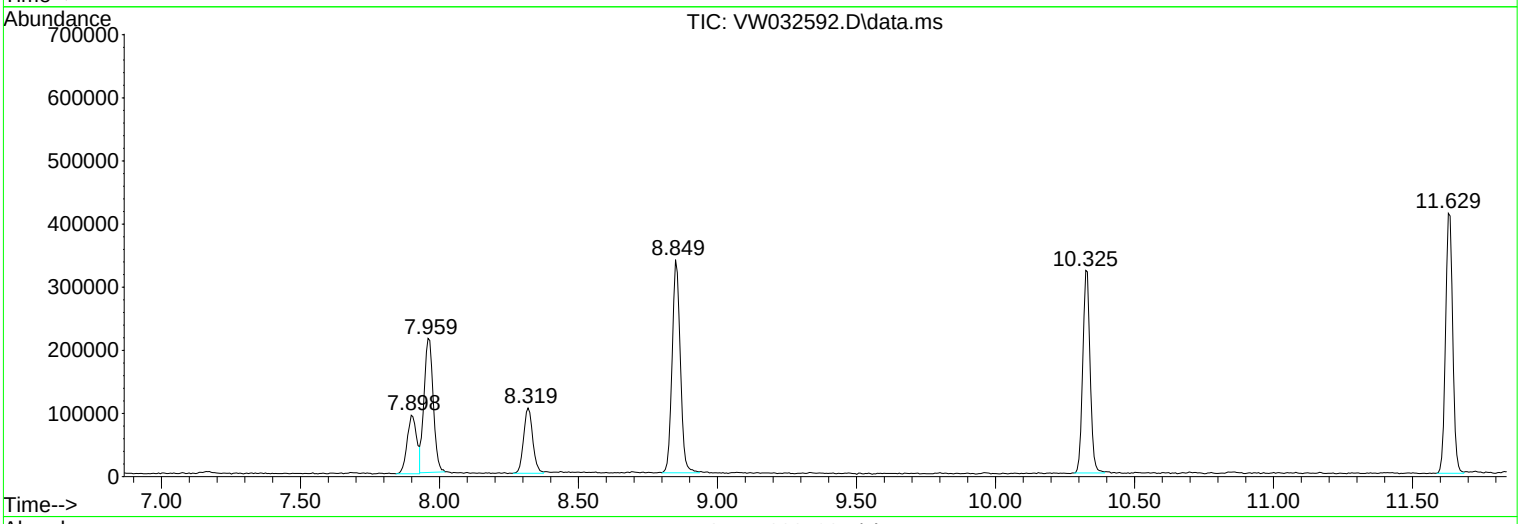
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032592.D
Acq On : 08 Dec 2025 13:44
Operator : SY/MD
Sample : Q3790-03
Misc : 5.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

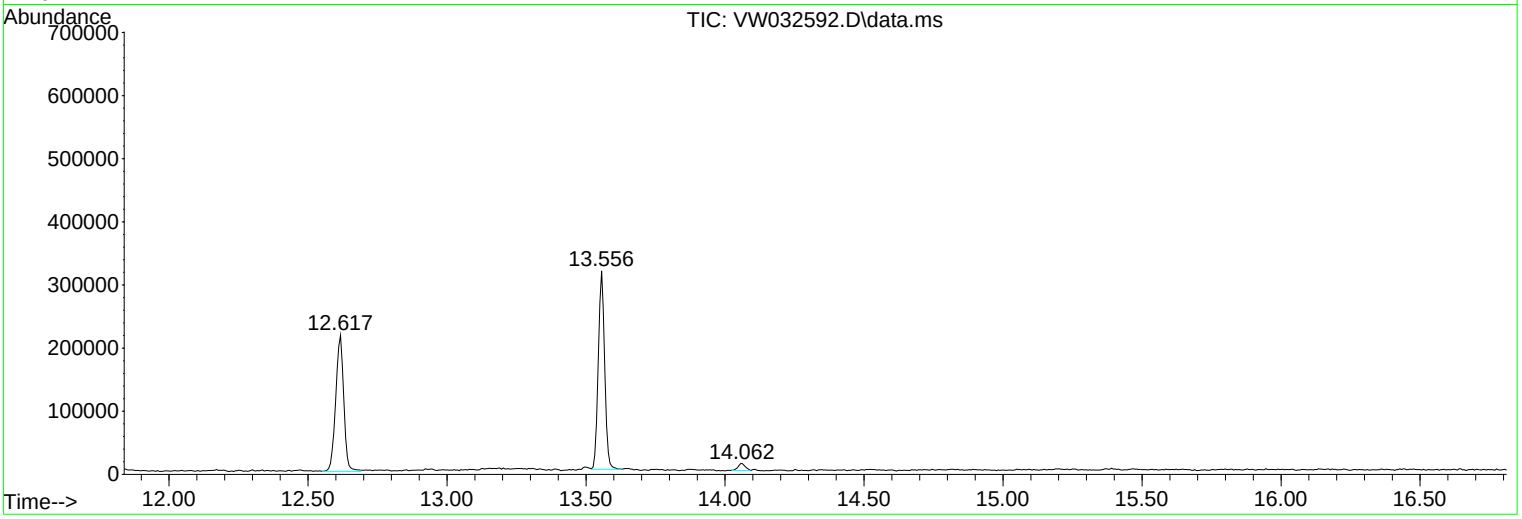
Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032592.D
Acq On : 08 Dec 2025 13:44
Operator : SY/MD
Sample : Q3790-03
Misc : 5.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.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_W\Data\VW120825\
Data File : VW032592.D
Acq On : 08 Dec 2025 13:44
Operator : SY/MD
Sample : Q3790-03
Misc : 5.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TULL02

Lab Code: ACE SDG No.: Q3790

Instrument ID: MSVOA_W Calibration Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:32 13:20

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

LAB FILE ID: RRF005 = VW032563.D RRF010 = VW032564.D RRF020 = VW032565.D
RRF050 = VW032566.D RRF100 = VW032567.D RRF150 = VW032568.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.348	0.337	0.318	0.271	0.286	0.297	0.309	9.7
Chloromethane	0.708	0.617	0.544	0.487	0.510	0.547	0.569	14.3
Vinyl Chloride	0.788	0.749	0.691	0.633	0.634	0.647	0.690	9.5
Bromomethane	0.521	0.498	0.453	0.417	0.425	0.436	0.458	9.2
Chloroethane	0.488	0.471	0.438	0.420	0.419	0.439	0.446	6.3
Trichlorofluoromethane	0.519	0.561	0.537	0.514	0.531	0.548	0.535	3.3
1,1,2-Trichlorotrifluoroethane	0.652	0.608	0.557	0.531	0.515	0.531	0.566	9.4
1,1-Dichloroethene	0.727	0.648	0.644	0.600	0.593	0.614	0.638	7.7
Acetone	0.253	0.199	0.215	0.239	0.242	0.247	0.233	9
Carbon Disulfide	2.046	1.955	1.856	1.785	1.809	1.885	1.889	5.1
Methyl tert-butyl Ether	1.163	1.121	1.191	1.201	1.220	1.236	1.189	3.5
Methyl Acetate	0.509	0.439	0.463	0.488	0.483	0.491	0.479	5.1
Methylene Chloride	1.119	0.913	0.790	0.723	0.715	0.728	0.832	19.2
trans-1,2-Dichloroethene	0.756	0.724	0.678	0.661	0.665	0.697	0.697	5.3
1,1-Dichloroethane	1.435	1.402	1.329	1.289	1.312	1.349	1.353	4.1
Cyclohexane	1.385	1.263	1.165	1.108	1.114	1.122	1.193	9.3
2-Butanone	0.299	0.257	0.296	0.307	0.309	0.323	0.298	7.5
Carbon Tetrachloride	0.479	0.491	0.459	0.449	0.449	0.470	0.466	3.6
cis-1,2-Dichloroethene	0.844	0.802	0.798	0.780	0.805	0.839	0.811	3.1
Bromochloromethane	0.542	0.650	0.610	0.614	0.615	0.614	0.608	5.8
Chloroform	1.459	1.405	1.318	1.255	1.292	1.326	1.342	5.6
1,1,1-Trichloroethane	1.044	1.055	0.952	0.920	0.922	0.952	0.974	6.2
Methylcyclohexane	0.601	0.599	0.590	0.623	0.616	0.648	0.613	3.5
Benzene	1.659	1.627	1.596	1.560	1.546	1.608	1.599	2.6
1,2-Dichloroethane	0.504	0.483	0.498	0.488	0.474	0.496	0.490	2.3
Trichloroethene	0.363	0.365	0.355	0.348	0.354	0.360	0.357	1.9
1,2-Dichloropropane	0.403	0.395	0.403	0.391	0.389	0.404	0.397	1.7
Bromodichloromethane	0.546	0.529	0.529	0.531	0.528	0.568	0.538	3
4-Methyl-2-Pentanone	0.299	0.284	0.345	0.359	0.344	0.351	0.330	9.3
Toluene	0.920	0.950	0.977	0.959	0.968	1.008	0.964	3

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TULL02

Lab Code: ACE SDG No.: Q3790

Instrument ID: MSVOA_W Calibration Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:32 13:20

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

LAB FILE ID: RRF005 = VW032563.D RRF010 = VW032564.D RRF020 = VW032565.D
RRF050 = VW032566.D RRF100 = VW032567.D RRF150 = VW032568.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.462	0.469	0.508	0.526	0.552	0.582	0.517	9.1
cis-1,3-Dichloropropene	0.562	0.574	0.609	0.611	0.627	0.654	0.606	5.6
1,1,2-Trichloroethane	0.319	0.299	0.309	0.305	0.300	0.313	0.308	2.6
2-Hexanone	0.200	0.194	0.242	0.263	0.252	0.260	0.235	13
Dibromochloromethane	0.339	0.333	0.338	0.339	0.361	0.359	0.345	3.5
1,2-Dibromoethane	0.290	0.283	0.299	0.295	0.288	0.301	0.293	2.4
Tetrachloroethene	0.366	0.326	0.340	0.322	0.312	0.334	0.333	5.6
Chlorobenzene	1.180	1.193	1.189	1.176	1.154	1.197	1.181	1.3
Ethyl Benzene	1.899	1.925	2.001	2.034	2.023	2.150	2.005	4.4
m/p-Xylenes	0.712	0.747	0.772	0.780	0.766	0.797	0.762	3.9
o-Xylene	0.610	0.655	0.704	0.741	0.726	0.754	0.698	7.9
Styrene	1.067	1.170	1.258	1.276	1.270	1.307	1.225	7.4
Bromoform	0.189	0.187	0.193	0.207	0.205	0.225	0.201	7.2
Isopropylbenzene	3.269	3.475	3.637	3.874	3.740	4.259	3.709	9.2
1,1,2,2-Tetrachloroethane	0.860	0.824	0.873	0.910	0.833	0.939	0.873	5.1
1,3-Dichlorobenzene	1.808	1.804	1.721	1.784	1.705	1.936	1.793	4.6
1,4-Dichlorobenzene	1.850	1.866	1.730	1.782	1.635	1.813	1.779	4.8
1,2-Dichlorobenzene	1.624	1.567	1.559	1.577	1.466	1.643	1.572	3.9
1,2-Dibromo-3-Chloropropane	0.163	0.122	0.145	0.157	0.147	0.169	0.151	11.1
1,2,4-Trichlorobenzene	0.928	0.872	0.911	0.946	0.949	1.140	0.958	9.8
1,2,3-Trichlorobenzene	0.809	0.816	0.810	0.891	0.895	0.999	0.870	8.6
1,2-Dichloroethane-d4	0.715	0.795	0.756	0.729	0.735	0.735	0.744	3.8
Dibromofluoromethane	0.300	0.350	0.329	0.332	0.327	0.336	0.329	5
Toluene-d8	1.088	1.281	1.262	1.256	1.264	1.277	1.238	6
4-Bromofluorobenzene	0.418	0.486	0.458	0.470	0.455	0.458	0.457	4.9

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

Response Factor Report MSVOA_W

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W120325S.M
Title : SW846 8260
Last Update : Thu Dec 04 04:04:32 2025
Response Via : Initial Calibration

Calibration Files
5 =VW032563.D 10 =VW032564.D 20 =VW032565.D 50 =VW032566.D 100 =VW032567.D 150 =VW032568.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.348	0.337	0.318	0.271	0.286	0.297	0.309	9.67
3)	P	Chloromethane	0.708	0.617	0.544	0.487	0.510	0.547	0.569	14.28
4)	C	Vinyl Chloride	0.788	0.749	0.691	0.633	0.634	0.647	0.690	9.49#
5)	T	Bromomethane	0.521	0.498	0.453	0.417	0.425	0.436	0.458	9.19
6)	T	Chloroethane	0.488	0.471	0.438	0.420	0.419	0.439	0.446	6.31
7)	T	Trichlorofluor...	0.519	0.561	0.537	0.514	0.531	0.548	0.535	3.33
8)	T	Diethyl Ether	0.439	0.394	0.388	0.370	0.385	0.397	0.396	5.84
9)	T	1,1,2-Trichlor...	0.652	0.608	0.557	0.531	0.515	0.531	0.566	9.43
10)	T	Methyl Iodide	0.918	0.898	0.836	0.786	0.806	0.874	0.853	6.11
11)	T	Tert butyl alc...	0.071	0.052	0.059	0.054	0.053	0.055	0.057	12.65
12)	CM	1,1-Dichloroet...	0.727	0.648	0.644	0.600	0.593	0.614	0.638	7.68#
13)	T	Acrolein	0.083	0.104	0.107	0.107	0.099	0.109	0.101	9.45
14)	T	Allyl chloride	1.171	1.170	1.157	1.124	1.166	1.216	1.167	2.55
15)	T	Acrylonitrile	0.208	0.186	0.209	0.212	0.212	0.218	0.208	5.32
16)	T	Acetone	0.253	0.199	0.215	0.239	0.242	0.247	0.233	9.02
17)	T	Carbon Disulfide	2.046	1.955	1.856	1.785	1.809	1.885	1.889	5.14
18)	T	Methyl Acetate	0.509	0.439	0.463	0.488	0.483	0.491	0.479	5.07
19)	T	Methyl tert-bu...	1.163	1.121	1.191	1.201	1.220	1.236	1.189	3.50
20)	T	Methylene Chlo...	1.119	0.913	0.790	0.723	0.715	0.728	0.832	19.17
21)	T	trans-1,2-Dich...	0.756	0.724	0.678	0.661	0.665	0.697	0.697	5.30
22)	T	Diisopropyl ether	2.203	2.310	2.376	2.334	2.355	2.402	2.330	3.00
23)	T	Vinyl Acetate	1.389	1.392	1.565	1.605	1.637	1.674	1.544	8.03
24)	P	1,1-Dichloroet...	1.435	1.402	1.329	1.289	1.312	1.349	1.353	4.12
25)	T	2-Butanone	0.299	0.257	0.296	0.307	0.309	0.323	0.298	7.52
26)	T	2,2-Dichloropr...	0.946	0.840	0.777	0.714	0.710	0.718	0.784	12.01
27)	T	cis-1,2-Dichlo...	0.844	0.802	0.798	0.780	0.805	0.839	0.811	3.06
28)	T	Bromochloromet...	0.542	0.650	0.610	0.614	0.615	0.614	0.608	5.82
29)	T	Tetrahydrofuran	0.163	0.148	0.184	0.192	0.188	0.193	0.178	10.36
30)	C	Chloroform	1.459	1.405	1.318	1.255	1.292	1.326	1.342	5.61#
31)	T	Cyclohexane	1.385	1.263	1.165	1.108	1.114	1.122	1.193	9.27
32)	T	1,1,1-Trichlor...	1.044	1.055	0.952	0.920	0.922	0.952	0.974	6.15
33)	S	1,2-Dichloroet...	0.715	0.795	0.756	0.729	0.735	0.735	0.744	3.78
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.300	0.350	0.329	0.332	0.327	0.336	0.329	5.03
36)	T	1,1-Dichloropr...	0.485	0.511	0.505	0.499	0.498	0.514	0.502	2.08
37)	T	Ethyl Acetate	0.339	0.304	0.371	0.366	0.345	0.359	0.347	7.07
38)	T	Carbon Tetrach...	0.479	0.491	0.459	0.449	0.449	0.470	0.466	3.65
39)	T	Methylcyclohexane	0.601	0.599	0.590	0.623	0.616	0.648	0.613	3.45
40)	TM	Benzene	1.659	1.627	1.596	1.560	1.546	1.608	1.599	2.63
41)	T	Methacrylonitrile	0.170	0.154	0.173	0.216	0.191	0.224	0.188	14.64
42)	TM	1,2-Dichloroet...	0.504	0.483	0.498	0.488	0.474	0.496	0.490	2.28
43)	T	Isopropyl Acetate	0.548	0.522	0.603	0.635	0.625	0.651	0.597	8.62
44)	TM	Trichloroethene	0.363	0.365	0.355	0.348	0.354	0.360	0.357	1.86
45)	C	1,2-Dichloropr...	0.403	0.395	0.403	0.391	0.389	0.404	0.397	1.70#
46)	T	Dibromomethane	0.235	0.222	0.231	0.232	0.224	0.233	0.230	2.25
47)	T	Bromodichlorom...	0.546	0.529	0.529	0.531	0.528	0.568	0.538	3.00
48)	T	Methyl methacr...	0.218	0.225	0.267	0.317	0.292	0.308	0.271	15.49
49)	T	1,4-Dioxane	0.002	0.002	0.003	0.003	0.003	0.003	0.003	16.77
50)	S	Toluene-d8	1.088	1.281	1.262	1.256	1.264	1.277	1.238	5.98
51)	T	4-Methyl-2-Pen...	0.299	0.284	0.345	0.359	0.344	0.351	0.330	9.32
52)	CM	Toluene	0.920	0.950	0.977	0.959	0.968	1.008	0.964	3.03#
53)	T	t-1,3-Dichloro...	0.462	0.469	0.508	0.526	0.552	0.582	0.517	9.06
54)	T	cis-1,3-Dichlo...	0.562	0.574	0.609	0.611	0.627	0.654	0.606	5.57
55)	T	1,1,2-Trichlor...	0.319	0.299	0.309	0.305	0.300	0.313	0.308	2.55
56)	T	Ethyl methacry...	0.344	0.346	0.421	0.469	0.474	0.499	0.425	15.81

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W120325S.M

57)	T	1,3-Dichloropr...	0.538	0.528	0.567	0.558	0.545	0.558	0.549	2.64
58)	T	2-Chloroethyl ...	0.180	0.198	0.237	0.246	0.218	0.259	0.223	13.41
59)	T	2-Hexanone	0.200	0.194	0.242	0.263	0.252	0.260	0.235	13.00
60)	T	Dibromochlorom...	0.339	0.333	0.338	0.339	0.361	0.359	0.345	3.52
61)	T	1,2-Dibromoethane	0.290	0.283	0.299	0.295	0.288	0.301	0.293	2.39
62)	S	4-Bromofluorob...	0.418	0.486	0.458	0.470	0.455	0.458	0.457	4.94
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.366	0.326	0.340	0.322	0.312	0.334	0.333	5.63
65)	PM	Chlorobenzene	1.180	1.193	1.189	1.176	1.154	1.197	1.181	1.30
66)	T	1,1,1,2-Tetrac...	0.374	0.357	0.361	0.369	0.360	0.372	0.365	1.91
67)	C	Ethyl Benzene	1.899	1.925	2.001	2.034	2.023	2.150	2.005	4.44#
68)	T	m/p-Xylenes	0.712	0.747	0.772	0.780	0.766	0.797	0.762	3.90
69)	T	o-Xylene	0.610	0.655	0.704	0.741	0.726	0.754	0.698	7.92
70)	T	Styrene	1.067	1.170	1.258	1.276	1.270	1.307	1.225	7.35
71)	P	Bromoform	0.189	0.187	0.193	0.207	0.205	0.225	0.201	7.20
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.269	3.475	3.637	3.874	3.740	4.259	3.709	9.21
74)	T	N-amyl acetate	1.028	1.029	1.198	1.347	1.296	1.468	1.228	14.43
75)	P	1,1,2,2-Tetrac...	0.860	0.824	0.873	0.910	0.833	0.939	0.873	5.10
76)	T	1,2,3-Trichlor...	0.771	0.626	0.682	0.674	0.621	0.685	0.677	8.00
77)	T	Bromobenzene	0.859	0.854	0.876	0.862	0.832	0.979	0.877	5.93
78)	T	n-propylbenzene	4.289	4.616	4.730	4.905	4.648	5.202	4.732	6.46
79)	T	2-Chlorotoluene	2.660	2.790	2.774	2.832	2.745	3.126	2.821	5.67
80)	T	1,3,5-Trimethy...	2.853	3.063	3.133	3.264	3.143	3.532	3.165	7.11
81)	T	trans-1,4-Dich...	0.248	0.234	0.273	0.319	0.302	0.351	0.288	15.49
82)	T	4-Chlorotoluene	2.856	3.058	2.968	3.073	2.902	3.247	3.017	4.67
83)	T	tert-Butylbenzene	2.280	2.524	2.527	2.670	2.652	3.007	2.610	9.16
84)	T	1,2,4-Trimethy...	2.820	3.046	3.097	3.258	3.149	3.598	3.161	8.18
85)	T	sec-Butylbenzene	3.684	4.039	3.911	4.107	3.977	4.438	4.026	6.18
86)	T	p-Isopropyltol...	3.022	3.195	3.258	3.320	3.280	3.819	3.316	8.08
87)	T	1,3-Dichlorobe...	1.808	1.804	1.721	1.784	1.705	1.936	1.793	4.58
88)	T	1,4-Dichlorobe...	1.850	1.866	1.730	1.782	1.635	1.813	1.779	4.83
89)	T	n-Butylbenzene	3.130	3.295	3.237	3.392	3.383	3.765	3.367	6.47
90)	T	Hexachloroethane	0.659	0.617	0.599	0.620	0.605	0.711	0.635	6.69
91)	T	1,2-Dichlorobe...	1.624	1.567	1.559	1.577	1.465	1.643	1.572	3.94
92)	T	1,2-Dibromo-3-...	0.163	0.122	0.145	0.157	0.147	0.169	0.151	11.13
93)	T	1,2,4-Trichlor...	0.928	0.872	0.911	0.946	0.949	1.140	0.958	9.78
94)	T	Hexachlorobuta...	0.464	0.449	0.402	0.438	0.421	0.472	0.441	6.02
95)	T	Naphthalene	1.733	1.713	2.045	2.356	2.370	2.776	2.166	19.11
96)	T	1,2,3-Trichlor...	0.809	0.816	0.810	0.891	0.895	0.999	0.870	8.57

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032563.D
Acq On : 03 Dec 2025 11:32
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:46:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	337599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	647768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	587961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	285243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	24146	4.806	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	9.620%#		
35) Dibromofluoromethane	7.898	113	19409	4.553	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	9.100%#		
50) Toluene-d8	10.325	98	70497	4.395	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	8.800%#		
62) 4-Bromofluorobenzene	12.617	95	27064	4.567	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	9.140%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	11745	5.620	ug/l	97
3) Chloromethane	2.253	50	23916	6.226	ug/l	99
4) Vinyl Chloride	2.405	62	26611	5.710	ug/l	100
5) Bromomethane	2.826	94	17596	5.685	ug/l	87
6) Chloroethane	2.972	64	16488	5.477	ug/l	97
7) Trichlorofluoromethane	3.308	101	17528	4.852	ug/l	91
8) Diethyl Ether	3.722	74	14805	5.544	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.100	101	22003	5.761	ug/l	95
10) Methyl Iodide	4.301	142	30986	5.379	ug/l	99
11) Tert butyl alcohol	5.210	59	12021	31.107	ug/l #	90
12) 1,1-Dichloroethene	4.082	96	24532	5.697	ug/l	97
13) Acrolein	3.929	56	14031	20.486	ug/l	99
14) Allyl chloride	4.710	41	39548	5.017	ug/l	95
15) Acrylonitrile	5.405	53	35046	24.990	ug/l	98
16) Acetone	4.155	43	42770	27.243	ug/l	96
17) Carbon Disulfide	4.417	76	69063	5.414	ug/l	100
18) Methyl Acetate	4.704	43	17169	5.310	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	39247	4.890	ug/l	94
20) Methylene Chloride	4.947	84	37790	6.731	ug/l	93
21) trans-1,2-Dichloroethene	5.460	96	25514	5.423	ug/l	94
22) Diisopropyl ether	6.344	45	74374	4.728	ug/l	94
23) Vinyl Acetate	6.283	43	234445	22.491	ug/l	100
24) 1,1-Dichloroethane	6.240	63	48443	5.304	ug/l	97
25) 2-Butanone	7.197	43	50415	25.022	ug/l	95
26) 2,2-Dichloropropane	7.179	77	31952	6.035	ug/l	93
27) cis-1,2-Dichloroethene	7.191	96	28489	5.201	ug/l	94
28) Bromochloromethane	7.532	49	18303	4.461	ug/l	100
29) Tetrahydrofuran	7.551	42	27445	22.814	ug/l	98
30) Chloroform	7.697	83	49239	5.432	ug/l	91
31) Cyclohexane	7.965	56	46760	5.806	ug/l #	83
32) 1,1,1-Trichloroethane	7.886	97	35253	5.359	ug/l	95
36) 1,1-Dichloropropene	8.093	75	31409	4.831	ug/l	95
37) Ethyl Acetate	7.270	43	21929	4.874	ug/l	98
38) Carbon Tetrachloride	8.081	117	31041	5.139	ug/l	96
39) Methylcyclohexane	9.343	83	38904	4.900	ug/l	97
40) Benzene	8.337	78	107478	5.187	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032563.D
Acq On : 03 Dec 2025 11:32
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:46:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.496	41	10993	4.515 ug/l	92
42) 1,2-Dichloroethane	8.410	62	32662	5.141 ug/l	95
43) Isopropyl Acetate	8.435	43	35474	4.587 ug/l	97
44) Trichloroethene	9.099	130	23517	5.078 ug/l	89
45) 1,2-Dichloropropane	9.374	63	26115	5.074 ug/l	97
46) Dibromomethane	9.465	93	15246	5.123 ug/l	93
47) Bromodichloromethane	9.654	83	35354	5.068 ug/l	97
48) Methyl methacrylate	9.447	41	14152	4.025 ug/l	87
49) 1,4-Dioxane	9.465	88	2818	79.243 ug/l #	99
51) 4-Methyl-2-Pentanone	10.215	43	96966	22.658 ug/l	96
52) Toluene	10.392	92	59584	4.773 ug/l	100
53) t-1,3-Dichloropropene	10.611	75	29929	4.472 ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	36436	4.640 ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	20691	5.191 ug/l	92
56) Ethyl methacrylate	10.648	69	22283	4.042 ug/l	97
57) 1,3-Dichloropropane	10.934	76	34854	4.899 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	58334	20.196 ug/l	98
59) 2-Hexanone	10.971	43	64754	21.246 ug/l	94
60) Dibromochloromethane	11.129	129	21956	4.915 ug/l	99
61) 1,2-Dibromoethane	11.239	107	18798	4.959 ug/l	100
64) Tetrachloroethene	10.861	164	21537	5.492 ug/l	92
65) Chlorobenzene	11.660	112	69373	4.993 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	21976	5.114 ug/l	98
67) Ethyl Benzene	11.733	91	111660	4.735 ug/l	97
68) m/p-Xylenes	11.836	106	83714	9.338 ug/l	100
69) o-Xylene	12.166	106	35889	4.371 ug/l	86
70) Styrene	12.178	104	62715	4.355 ug/l	98
71) Bromoform	12.349	173	11113	4.703 ug/l #	98
73) Isopropylbenzene	12.458	105	93249	4.407 ug/l	100
74) N-amyl acetate	12.269	43	29321	4.186 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	24544	4.927 ug/l	98
76) 1,2,3-Trichloropropane	12.769	75	21994m	5.658 ug/l	
77) Bromobenzene	12.745	156	24491	4.896 ug/l	92
78) n-propylbenzene	12.800	91	122353	4.532 ug/l	99
79) 2-Chlorotoluene	12.891	91	75884	4.715 ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	81387	4.508 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	7071	4.309 ug/l	90
82) 4-Chlorotoluene	12.983	91	81465	4.733 ug/l	96
83) tert-Butylbenzene	13.202	119	65043	4.368 ug/l	95
84) 1,2,4-Trimethylbenzene	13.245	105	80428	4.459 ug/l	100
85) sec-Butylbenzene	13.379	105	105074	4.575 ug/l	100
86) p-Isopropyltoluene	13.495	119	86209	4.557 ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	51565	5.042 ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	52767	5.198 ug/l	90
89) n-Butylbenzene	13.818	91	89295	4.648 ug/l	98
90) Hexachloroethane	14.092	117	18792	5.187 ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	46318	5.163 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	4657	5.423 ug/l	91
93) 1,2,4-Trichlorobenzene	15.129	180	26457	4.842 ug/l	95
94) Hexachlorobutadiene	15.226	225	13225	5.259 ug/l	98
95) Naphthalene	15.360	128	49446m	4.035 ug/l	
96) 1,2,3-Trichlorobenzene	15.549	180	23081	4.650 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032563.D
Acq On : 03 Dec 2025 11:32
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:46:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

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

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

ICAL Form

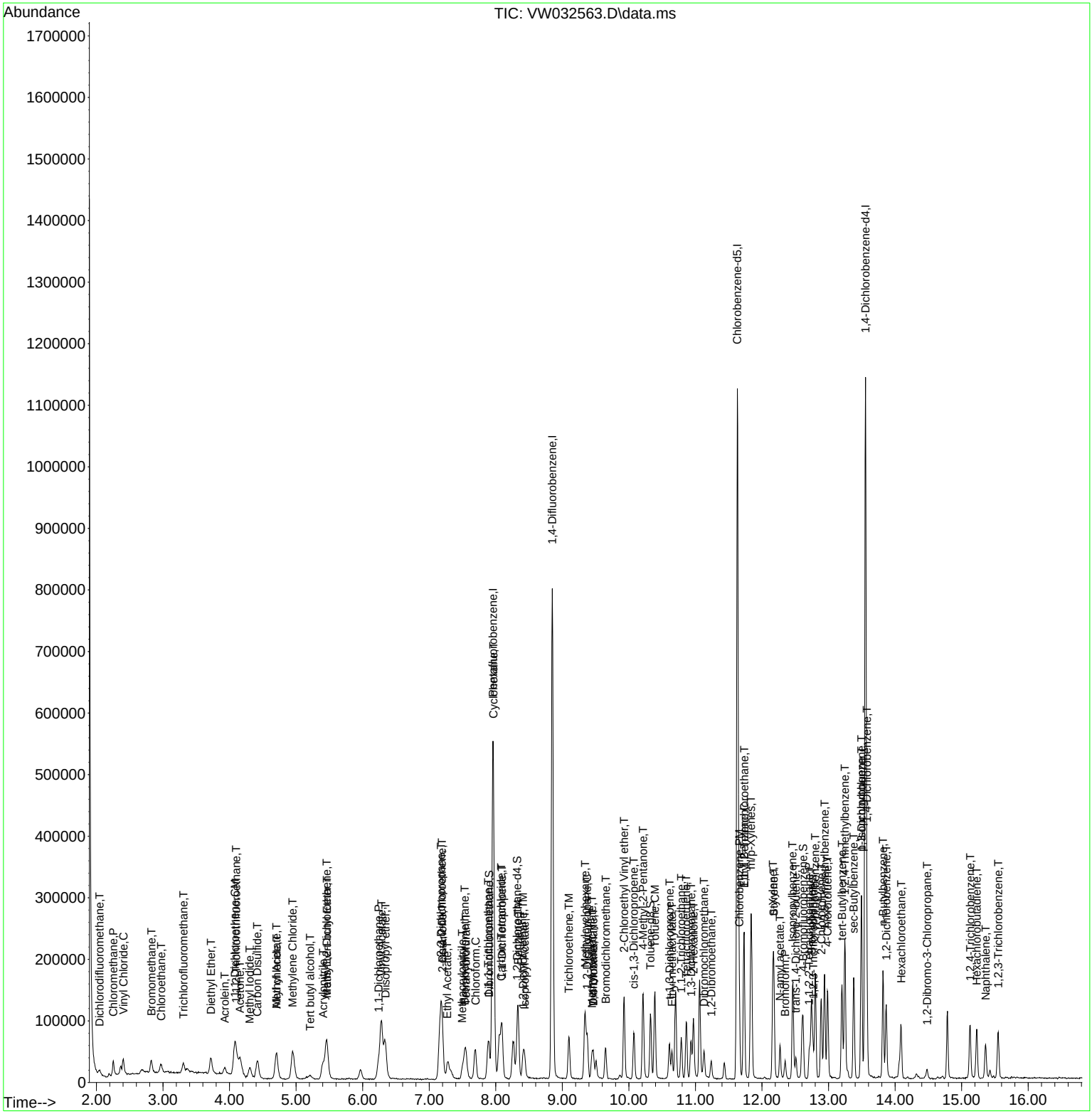
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032563.D
Acq On : 03 Dec 2025 11:32
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:46:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032564.D
Acq On : 03 Dec 2025 11:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	330308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	626134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	566322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	273817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	52521	10.685	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	21.360%#		
35) Dibromofluoromethane	7.904	113	43820	10.635	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	21.260%#		
50) Toluene-d8	10.325	98	160418	10.347	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.700%#		
62) 4-Bromofluorobenzene	12.617	95	60879	10.628	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	21.260%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	22235	10.875	ug/l	85
3) Chloromethane	2.253	50	40740	10.839	ug/l	97
4) Vinyl Chloride	2.405	62	49498	10.855	ug/l	98
5) Bromomethane	2.826	94	32910	10.867	ug/l	98
6) Chloroethane	2.966	64	31105	10.561	ug/l	97
7) Trichlorofluoromethane	3.308	101	37086	10.493	ug/l	97
8) Diethyl Ether	3.722	74	26008	9.954	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.112	101	40145	10.744	ug/l	97
10) Methyl Iodide	4.313	142	59318	10.525	ug/l	98
11) Tert butyl alcohol	5.210	59	17312	45.788	ug/l	97
12) 1,1-Dichloroethene	4.082	96	42827	10.165	ug/l	96
13) Acrolein	3.929	56	34504	51.489	ug/l	99
14) Allyl chloride	4.716	41	77275	10.020	ug/l	98
15) Acrylonitrile	5.411	53	61570	44.872	ug/l	99
16) Acetone	4.167	43	65763	42.813	ug/l	97
17) Carbon Disulfide	4.423	76	129151	10.347	ug/l	97
18) Methyl Acetate	4.710	43	29025	9.175	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	74063	9.431	ug/l	98
20) Methylene Chloride	4.960	84	60300	10.977	ug/l	92
21) trans-1,2-Dichloroethene	5.466	96	47812	10.386	ug/l	96
22) Diisopropyl ether	6.338	45	152577	9.913	ug/l #	86
23) Vinyl Acetate	6.289	43	459918	45.095	ug/l	99
24) 1,1-Dichloroethane	6.252	63	92647	10.368	ug/l	100
25) 2-Butanone	7.197	43	84810	43.023	ug/l	98
26) 2,2-Dichloropropane	7.185	77	55479	10.710	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	52987	9.887	ug/l	97
28) Bromochloromethane	7.532	49	42963	10.703	ug/l	98
29) Tetrahydrofuran	7.557	42	49007	41.636	ug/l	99
30) Chloroform	7.691	83	92816	10.466	ug/l	97
31) Cyclohexane	7.971	56	83450	10.590	ug/l #	92
32) 1,1,1-Trichloroethane	7.892	97	69677	10.825	ug/l	96
36) 1,1-Dichloropropene	8.099	75	63944	10.174	ug/l	100
37) Ethyl Acetate	7.276	43	38079	8.755	ug/l #	97
38) Carbon Tetrachloride	8.087	117	61515	10.535	ug/l	97
39) Methylcyclohexane	9.343	83	75025	9.776	ug/l	96
40) Benzene	8.337	78	203773	10.174	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032564.D
Acq On : 03 Dec 2025 11:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	19313	8.207	ug/l	#	86
42) 1,2-Dichloroethane	8.410	62	60476	9.848	ug/l		100
43) Isopropyl Acetate	8.435	43	65319	8.737	ug/l		97
44) Trichloroethene	9.105	130	45770	10.225	ug/l		96
45) 1,2-Dichloropropane	9.380	63	49414	9.933	ug/l		97
46) Dibromomethane	9.465	93	27840	9.678	ug/l		96
47) Bromodichloromethane	9.654	83	66233	9.823	ug/l		98
48) Methyl methacrylate	9.447	41	28214	8.302	ug/l		91
49) 1,4-Dioxane	9.471	88	5369	156.195	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.215	43	177813	42.985	ug/l		99
52) Toluene	10.392	92	118964	9.858	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	58771	9.086	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	71885	9.470	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	37500	9.733	ug/l		93
56) Ethyl methacrylate	10.648	69	43338	8.133	ug/l		97
57) 1,3-Dichloropropane	10.934	76	66163	9.622	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	124255	44.505	ug/l		99
59) 2-Hexanone	10.971	43	121485	41.237	ug/l		97
60) Dibromochloromethane	11.129	129	41704	9.657	ug/l		94
61) 1,2-Dibromoethane	11.239	107	35385	9.657	ug/l		94
64) Tetrachloroethene	10.867	164	36961	9.785	ug/l		93
65) Chlorobenzene	11.654	112	135094	10.096	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	40490	9.783	ug/l		99
67) Ethyl Benzene	11.727	91	218044	9.600	ug/l		99
68) m/p-Xylenes	11.837	106	169262	19.601	ug/l		97
69) o-Xylene	12.166	106	74183	9.380	ug/l		93
70) Styrene	12.178	104	132575	9.557	ug/l		100
71) Bromoform	12.343	173	21143	9.290	ug/l	#	98
73) Isopropylbenzene	12.464	105	190301	9.369	ug/l		98
74) N-amyl acetate	12.269	43	56361	8.382	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.714	83	45108	9.434	ug/l		99
76) 1,2,3-Trichloropropane	12.769	75	34307m	9.194	ug/l		
77) Bromobenzene	12.745	156	46757	9.738	ug/l		94
78) n-propylbenzene	12.800	91	252814	9.756	ug/l		99
79) 2-Chlorotoluene	12.885	91	152792	9.889	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	167738	9.678	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	12793	8.121	ug/l		89
82) 4-Chlorotoluene	12.983	91	167445	10.133	ug/l		99
83) tert-Butylbenzene	13.202	119	138228	9.670	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	166786	9.634	ug/l		99
85) sec-Butylbenzene	13.379	105	221174	10.032	ug/l		99
86) p-Isopropyltoluene	13.495	119	174959	9.635	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	98770	10.061	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	102197	10.488	ug/l		98
89) n-Butylbenzene	13.818	91	180447	9.785	ug/l		96
90) Hexachloroethane	14.086	117	33804	9.720	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	85787	9.962	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	6691	8.116	ug/l		91
93) 1,2,4-Trichlorobenzene	15.129	180	47774	9.109	ug/l		99
94) Hexachlorobutadiene	15.232	225	24582	10.182	ug/l		94
95) Naphthalene	15.360	128	93809m	7.976	ug/l		
96) 1,2,3-Trichlorobenzene	15.549	180	44710	9.384	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032564.D
Acq On : 03 Dec 2025 11:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

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

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

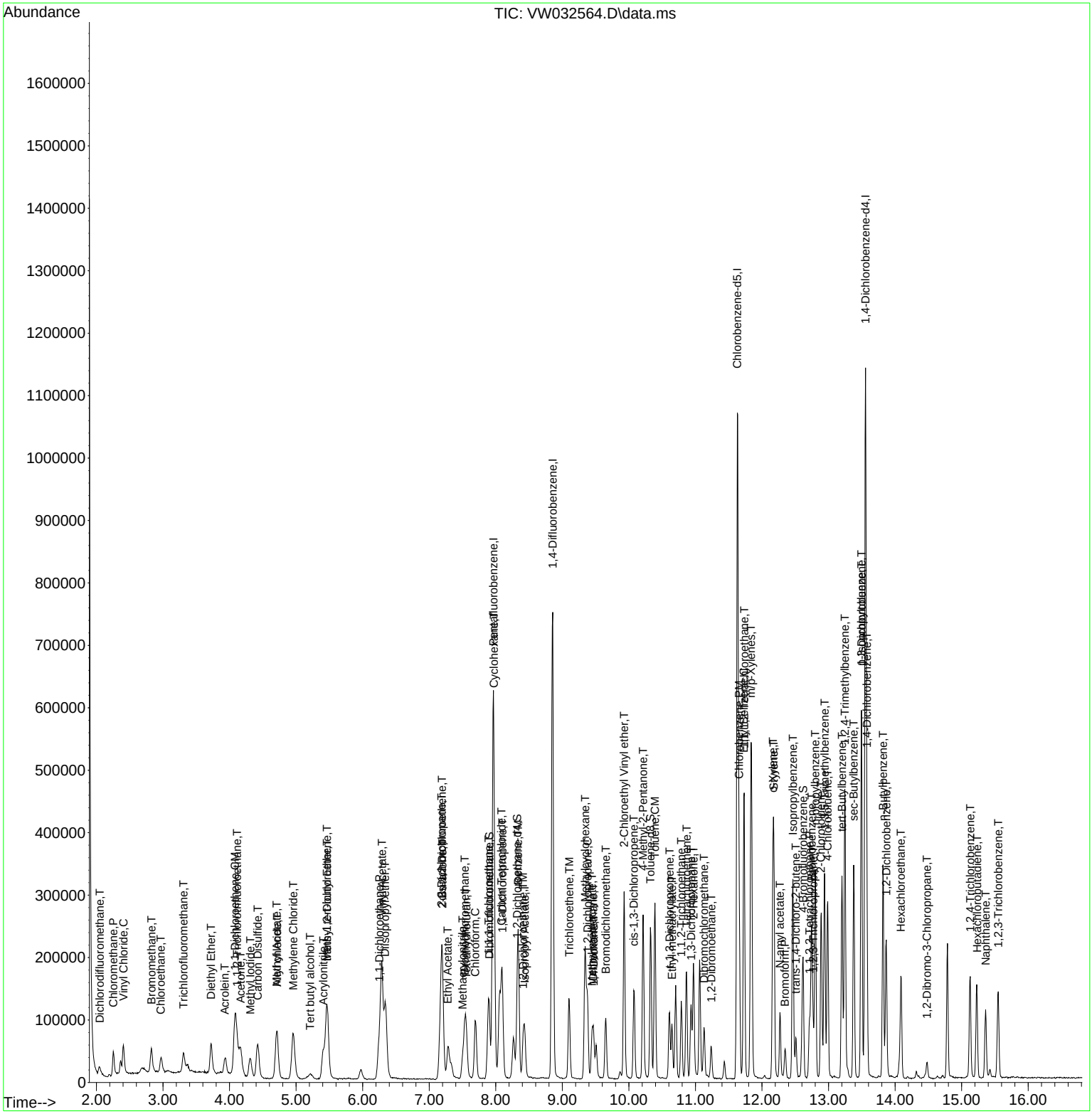
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032564.D
Acq On : 03 Dec 2025 11:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032565.D
Acq On : 03 Dec 2025 12:15
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	354106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	652216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	585368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	292330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107014	20.307	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	40.620%#		
35) Dibromofluoromethane	7.904	113	85926	20.020	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.040%#		
50) Toluene-d8	10.330	98	329350	20.393	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	40.780%#		
62) 4-Bromofluorobenzene	12.617	95	119554	20.036	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	40.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.039	85	45094	20.573	ug/l	98
3) Chloromethane	2.253	50	77066	19.126	ug/l	97
4) Vinyl Chloride	2.405	62	97813	20.009	ug/l	99
5) Bromomethane	2.814	94	64173	19.767	ug/l	100
6) Chloroethane	2.966	64	62102	19.668	ug/l	99
7) Trichlorofluoromethane	3.307	101	76041	20.068	ug/l	96
8) Diethyl Ether	3.722	74	55024	19.644	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	78932	19.704	ug/l	96
10) Methyl Iodide	4.313	142	118458	19.607	ug/l	99
11) Tert butyl alcohol	5.222	59	41657	102.773	ug/l #	84
12) 1,1-Dichloroethene	4.082	96	91225	20.198	ug/l	94
13) Acrolein	3.929	56	75457	105.033	ug/l	97
14) Allyl chloride	4.703	41	163949	19.829	ug/l	99
15) Acrylonitrile	5.405	53	148239	100.775	ug/l	99
16) Acetone	4.161	43	152244	92.454	ug/l	99
17) Carbon Disulfide	4.423	76	262936	19.650	ug/l	96
18) Methyl Acetate	4.710	43	65559	19.330	ug/l	99
19) Methyl tert-butyl Ether	5.465	73	168712	20.040	ug/l	98
20) Methylene Chloride	4.959	84	111957	19.011	ug/l	95
21) trans-1,2-Dichloroethene	5.459	96	95997	19.452	ug/l	94
22) Diisopropyl ether	6.337	45	336499	20.393	ug/l	92
23) Vinyl Acetate	6.282	43	1108410	101.376	ug/l	99
24) 1,1-Dichloroethane	6.246	63	188266	19.652	ug/l	99
25) 2-Butanone	7.191	43	209926	99.335	ug/l	100
26) 2,2-Dichloropropane	7.191	77	110084	19.822	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	112996	19.667	ug/l	99
28) Bromochloromethane	7.532	49	86379	20.072	ug/l	100
29) Tetrahydrofuran	7.557	42	130189	103.175	ug/l	98
30) Chloroform	7.691	83	186659	19.633	ug/l	94
31) Cyclohexane	7.971	56	164964	19.528	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	134867	19.545	ug/l	99
36) 1,1-Dichloropropene	8.099	75	131768	20.128	ug/l	99
37) Ethyl Acetate	7.276	43	96856	21.379	ug/l	97
38) Carbon Tetrachloride	8.081	117	119740	19.687	ug/l	94
39) Methylcyclohexane	9.343	83	153883	19.250	ug/l	98
40) Benzene	8.337	78	416343	19.957	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032565.D
Acq On : 03 Dec 2025 12:15
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.502	41	45081	18.390 ug/l #	86
42) 1,2-Dichloroethane	8.410	62	129904	20.309 ug/l	99
43) Isopropyl Acetate	8.434	43	157195	20.186 ug/l	98
44) Trichloroethene	9.105	130	92695	19.880 ug/l	92
45) 1,2-Dichloropropane	9.373	63	105047	20.272 ug/l	93
46) Dibromomethane	9.465	93	60249	20.106 ug/l	93
47) Bromodichloromethane	9.654	83	137937	19.640 ug/l	99
48) Methyl methacrylate	9.440	41	69599	19.661 ug/l	90
49) 1,4-Dioxane	9.465	88	15254	426.023 ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	450329	104.510 ug/l	99
52) Toluene	10.391	92	254918	20.279 ug/l	98
53) t-1,3-Dichloropropene	10.611	75	132492	19.664 ug/l	98
54) cis-1,3-Dichloropropene	10.074	75	158793	20.082 ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	80719	20.112 ug/l	95
56) Ethyl methacrylate	10.647	69	109870	19.795 ug/l	98
57) 1,3-Dichloropropane	10.934	76	147871	20.644 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	308913	106.221 ug/l	100
59) 2-Hexanone	10.971	43	315866	102.931 ug/l	100
60) Dibromochloromethane	11.129	129	88181	19.603 ug/l	98
61) 1,2-Dibromoethane	11.233	107	78002	20.436 ug/l	98
64) Tetrachloroethene	10.867	164	79706	20.415 ug/l	95
65) Chlorobenzene	11.659	112	278309	20.121 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	84480	19.748 ug/l	98
67) Ethyl Benzene	11.733	91	468508	19.956 ug/l	96
68) m/p-Xylenes	11.836	106	361347	40.483 ug/l	97
69) o-Xylene	12.165	106	164729	20.152 ug/l	93
70) Styrene	12.178	104	294546	20.542 ug/l	99
71) Bromoform	12.348	173	45074	19.160 ug/l #	99
73) Isopropylbenzene	12.464	105	425288	19.612 ug/l	99
74) N-amyl acetate	12.269	43	140066	19.512 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	102128	20.006 ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	79697m	20.005 ug/l	
77) Bromobenzene	12.745	156	102395	19.975 ug/l	95
78) n-propylbenzene	12.800	91	553122	19.993 ug/l	100
79) 2-Chlorotoluene	12.891	91	324394	19.666 ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	366405	19.802 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	31878	18.954 ug/l	89
82) 4-Chlorotoluene	12.989	91	347070	19.674 ug/l	100
83) tert-Butylbenzene	13.202	119	295478	19.362 ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	362195	19.596 ug/l	100
85) sec-Butylbenzene	13.379	105	457306	19.429 ug/l	99
86) p-Isopropyltoluene	13.495	119	381008	19.653 ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	201194	19.196 ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	202337	19.450 ug/l	96
89) n-Butylbenzene	13.818	91	378562	19.229 ug/l	99
90) Hexachloroethane	14.092	117	70062	18.870 ug/l	95
91) 1,2-Dichlorobenzene	13.860	146	182294	19.828 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	16959	19.268 ug/l	98
93) 1,2,4-Trichlorobenzene	15.128	180	106514	19.023 ug/l	99
94) Hexachlorobutadiene	15.226	225	46952	18.217 ug/l	97
95) Naphthalene	15.360	128	239140m	19.044 ug/l	
96) 1,2,3-Trichlorobenzene	15.543	180	94710	18.619 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032565.D
Acq On : 03 Dec 2025 12:15
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

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

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

ICAL Form

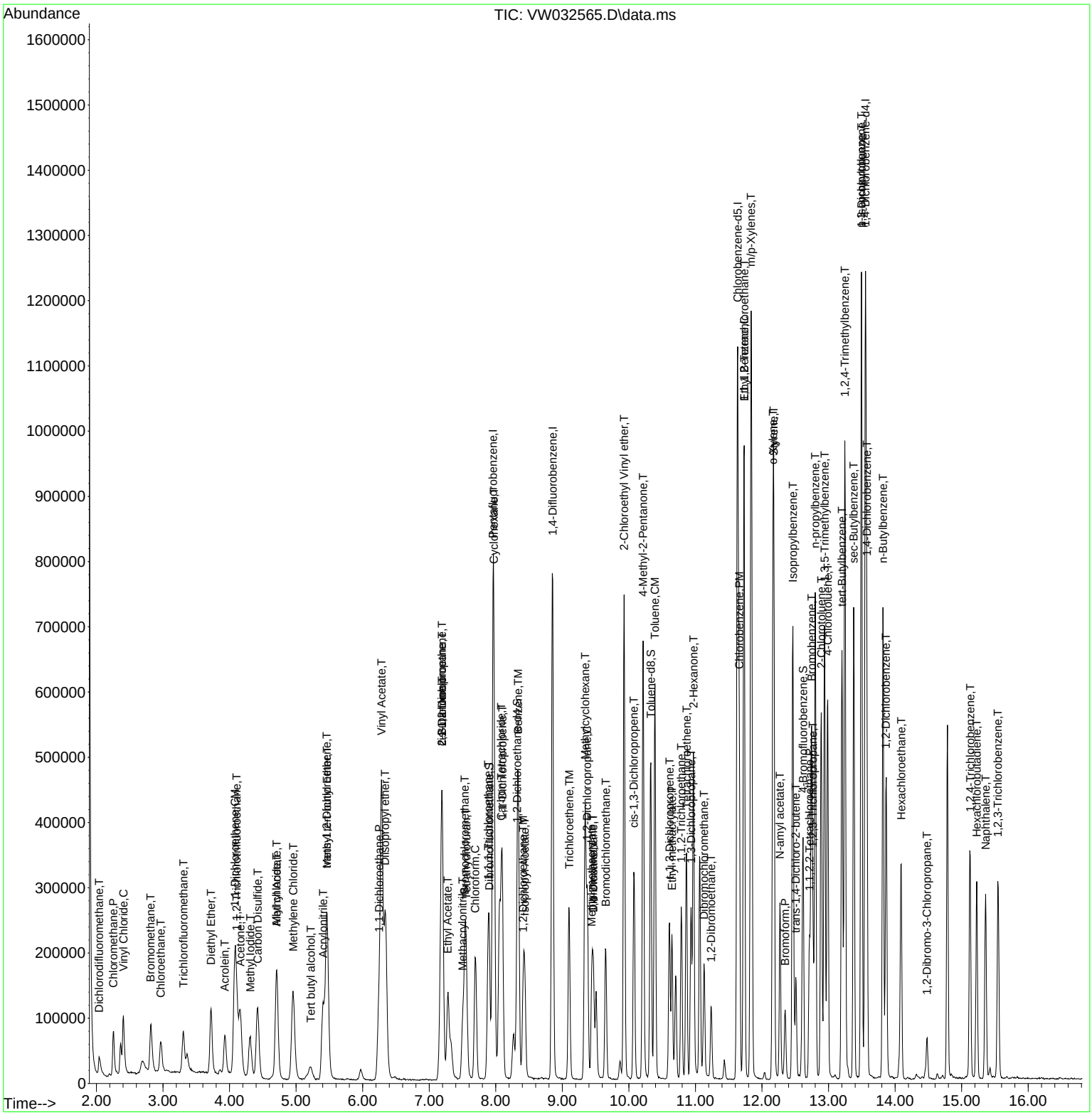
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032565.D
Acq On : 03 Dec 2025 12:15
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032566.D
Acq On : 03 Dec 2025 12:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:49:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	362826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	653706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	592275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	282382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	264413	48.970	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 97.940%			
35) Dibromofluoromethane	7.904	113	217213	50.493	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.980%			
50) Toluene-d8	10.325	98	820832	50.709	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.617	95	306999	51.333	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	98280	43.761	ug/l	100
3) Chloromethane	2.253	50	176608	42.777	ug/l	100
4) Vinyl Chloride	2.405	62	229765	45.871	ug/l	100
5) Bromomethane	2.820	94	151371	45.505	ug/l	100
6) Chloroethane	2.966	64	152402	47.107	ug/l	100
7) Trichlorofluoromethane	3.308	101	186488	48.034	ug/l	100
8) Diethyl Ether	3.722	74	134213	46.763	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	192559	46.914	ug/l	100
10) Methyl Iodide	4.314	142	285336	46.093	ug/l	100
11) Tert butyl alcohol	5.210	59	97064	233.713	ug/l	100
12) 1,1-Dichloroethene	4.082	96	217763	47.055	ug/l	100
13) Acrolein	3.936	56	193395	262.728	ug/l	100
14) Allyl chloride	4.710	41	407764	48.133	ug/l	100
15) Acrylonitrile	5.399	53	384951	255.405	ug/l	100
16) Acetone	4.161	43	432919	256.582	ug/l	100
17) Carbon Disulfide	4.423	76	647685	47.241	ug/l	100
18) Methyl Acetate	4.710	43	177066	50.953	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	435898	50.533	ug/l	100
20) Methylene Chloride	4.954	84	262304	43.471	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	239893	47.441	ug/l	100
22) Diisopropyl ether	6.344	45	846767	50.084	ug/l	100
23) Vinyl Acetate	6.283	43	2912370	259.966	ug/l	100
24) 1,1-Dichloroethane	6.246	63	467526	47.629	ug/l	100
25) 2-Butanone	7.191	43	556667	257.079	ug/l	100
26) 2,2-Dichloropropane	7.185	77	259023	45.520	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	283098	48.090	ug/l	100
28) Bromochloromethane	7.533	49	222861	50.542	ug/l	100
29) Tetrahydrofuran	7.551	42	349113	270.022	ug/l	100
30) Chloroform	7.697	83	455334	46.740	ug/l	100
31) Cyclohexane	7.972	56	401917	46.435	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	333847	47.218	ug/l	100
36) 1,1-Dichloropropene	8.093	75	326053	49.691	ug/l	100
37) Ethyl Acetate	7.277	43	239279	52.695	ug/l	100
38) Carbon Tetrachloride	8.081	117	293722	48.183	ug/l	100
39) Methylcyclohexane	9.343	83	407472	50.856	ug/l	100
40) Benzene	8.337	78	1019611	48.762	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032566.D
Acq On : 03 Dec 2025 12:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:49:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.496	41	141444	57.568 ug/l	100
42) 1,2-Dichloroethane	8.410	62	318895	49.741 ug/l	100
43) Isopropyl Acetate	8.435	43	414876	53.154 ug/l	100
44) Trichloroethene	9.105	130	227165	48.608 ug/l	100
45) 1,2-Dichloropropane	9.374	63	255511	49.196 ug/l	100
46) Dibromomethane	9.465	93	151851	50.560 ug/l	100
47) Bromodichloromethane	9.654	83	347048	49.301 ug/l	100
48) Methyl methacrylate	9.441	41	207237	58.409 ug/l	100
49) 1,4-Dioxane	9.459	88	39775	1108.328 ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	1172335	271.448 ug/l	100
52) Toluene	10.392	92	627085	49.772 ug/l	100
53) t-1,3-Dichloropropene	10.605	75	343782	50.906 ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	399207	50.372 ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	199440	49.579 ug/l	100
56) Ethyl methacrylate	10.648	69	306314	55.063 ug/l	100
57) 1,3-Dichloropropane	10.934	76	364898	50.828 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	804140	275.876 ug/l	100
59) 2-Hexanone	10.971	43	860027	279.616 ug/l	100
60) Dibromochloromethane	11.130	129	221375	49.101 ug/l	100
61) 1,2-Dibromoethane	11.239	107	192699	50.371 ug/l	100
64) Tetrachloroethene	10.867	164	190655	48.263 ug/l	100
65) Chlorobenzene	11.660	112	696412	49.762 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.733	131	218393	50.455 ug/l	100
67) Ethyl Benzene	11.733	91	1204661	50.714 ug/l	100
68) m/p-Xylenes	11.837	106	924001	102.313 ug/l	100
69) o-Xylene	12.166	106	439043	53.084 ug/l	100
70) Styrene	12.178	104	755821	52.098 ug/l	100
71) Bromoform	12.349	173	122746	51.569 ug/l	100
73) Isopropylbenzene	12.465	105	1094068	52.229 ug/l	100
74) N-amyl acetate	12.270	43	380472	54.870 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.715	83	256853	52.088 ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	190454m	49.490 ug/l	
77) Bromobenzene	12.745	156	243431	49.161 ug/l	100
78) n-propylbenzene	12.800	91	1385115	51.830 ug/l	100
79) 2-Chlorotoluene	12.891	91	799627	50.185 ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	921738	51.570 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	90124	55.474 ug/l	100
82) 4-Chlorotoluene	12.983	91	867831	50.926 ug/l	100
83) tert-Butylbenzene	13.202	119	754075	51.154 ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	920015	51.529 ug/l	100
85) sec-Butylbenzene	13.379	105	1159720	51.007 ug/l	100
86) p-Isopropyltoluene	13.495	119	937595	50.067 ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	503723	49.753 ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	503202	50.074 ug/l	100
89) n-Butylbenzene	13.818	91	957943	50.372 ug/l	100
90) Hexachloroethane	14.086	117	175057	48.809 ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	445429	50.157 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	44355	52.170 ug/l	100
93) 1,2,4-Trichlorobenzene	15.123	180	267108	49.385 ug/l	100
94) Hexachlorobutadiene	15.232	225	123690	49.681 ug/l	100
95) Naphthalene	15.360	128	665298	54.848 ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	251682	51.221 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032566.D
Acq On : 03 Dec 2025 12:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:49:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

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

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

ICAL Form

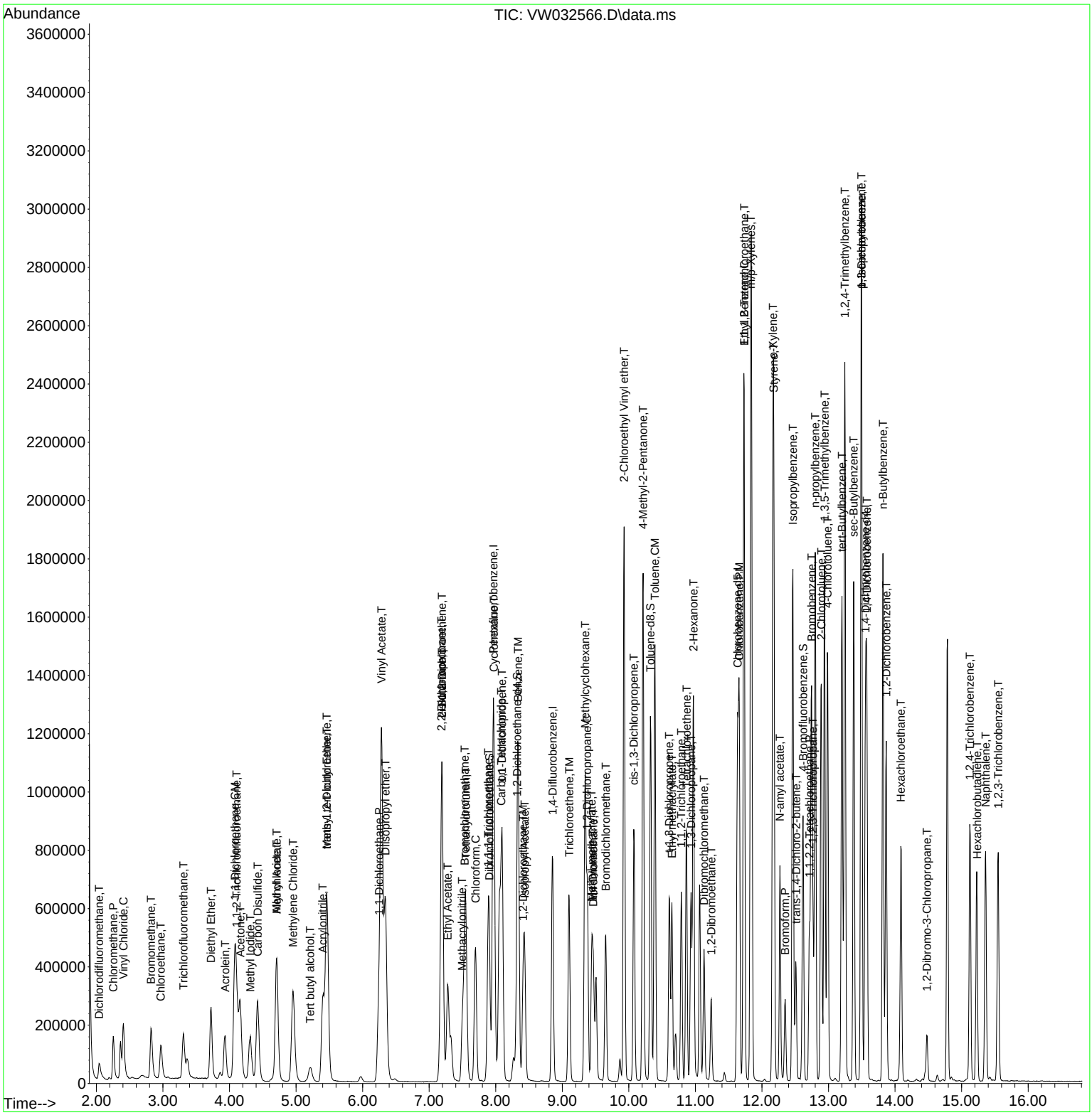
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032566.D
Acq On : 03 Dec 2025 12:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:49:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032567.D
Acq On : 03 Dec 2025 12:58
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	355203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	654581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	597470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	290228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	521850	98.721	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 197.440%#			
35) Dibromofluoromethane	7.898	113	427652	99.279	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 198.560%#			
50) Toluene-d8	10.325	98	1655104	102.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 204.220%#			
62) 4-Bromofluorobenzene	12.617	95	595747	99.481	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 198.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	203149	92.397	ug/l	96
3) Chloromethane	2.253	50	362579	89.707	ug/l	100
4) Vinyl Chloride	2.405	62	450163	91.801	ug/l	98
5) Bromomethane	2.820	94	301861	92.693	ug/l	98
6) Chloroethane	2.966	64	297323	93.873	ug/l	100
7) Trichlorofluoromethane	3.301	101	376929	99.170	ug/l	100
8) Diethyl Ether	3.722	74	273717	97.416	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	365839	91.043	ug/l	98
10) Methyl Iodide	4.314	142	572513	94.467	ug/l	99
11) Tert butyl alcohol	5.216	59	186905	459.693	ug/l #	87
12) 1,1-Dichloroethene	4.076	96	421607	93.057	ug/l	97
13) Acrolein	3.929	56	351593	487.892	ug/l	98
14) Allyl chloride	4.704	41	828097	99.848	ug/l	99
15) Acrylonitrile	5.399	53	754679	511.456	ug/l	100
16) Acetone	4.161	43	859493	520.335	ug/l	99
17) Carbon Disulfide	4.417	76	1285257	95.755	ug/l	98
18) Methyl Acetate	4.710	43	343471	100.959	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	866662	102.626	ug/l	98
20) Methylene Chloride	4.954	84	508033	86.002	ug/l	93
21) trans-1,2-Dichloroethene	5.466	96	472773	95.503	ug/l	97
22) Diisopropyl ether	6.344	45	1673162	101.087	ug/l	99
23) Vinyl Acetate	6.283	43	5815618	530.258	ug/l	99
24) 1,1-Dichloroethane	6.246	63	932402	97.027	ug/l	99
25) 2-Butanone	7.191	43	1096796	517.390	ug/l	98
26) 2,2-Dichloropropane	7.185	77	504116	90.493	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	571756	99.208	ug/l	98
28) Bromochloromethane	7.532	49	437111	101.259	ug/l	100
29) Tetrahydrofuran	7.551	42	669455	528.903	ug/l	100
30) Chloroform	7.691	83	918136	96.270	ug/l	94
31) Cyclohexane	7.971	56	791297	93.383	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	655289	94.670	ug/l	100
36) 1,1-Dichloropropene	8.099	75	651958	99.227	ug/l	100
37) Ethyl Acetate	7.270	43	451708	99.343	ug/l	100
38) Carbon Tetrachloride	8.087	117	587658	96.272	ug/l	98
39) Methylcyclohexane	9.343	83	806349	100.505	ug/l	96
40) Benzene	8.337	78	2024351	96.683	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032567.D
Acq On : 03 Dec 2025 12:58
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	249877	101.564	ug/l	#	90
42) 1,2-Dichloroethane	8.410	62	619919	96.566	ug/l		100
43) Isopropyl Acetate	8.435	43	817843	104.642	ug/l		100
44) Trichloroethene	9.099	130	462896	98.916	ug/l		94
45) 1,2-Dichloropropane	9.374	63	508740	97.822	ug/l		97
46) Dibromomethane	9.465	93	293795	97.691	ug/l		96
47) Bromodichloromethane	9.648	83	691027	98.034	ug/l		98
48) Methyl methacrylate	9.441	41	382547	107.676	ug/l		92
49) 1,4-Dioxane	9.465	88	78932	2196.494	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.215	43	2250833	520.473	ug/l		99
52) Toluene	10.392	92	1267483	100.465	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	722211	106.799	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	820878	103.441	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	392301	97.393	ug/l		92
56) Ethyl methacrylate	10.648	69	620159	111.330	ug/l		99
57) 1,3-Dichloropropane	10.934	76	713294	99.224	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	1424360	488.002	ug/l		99
59) 2-Hexanone	10.971	43	1650921	536.038	ug/l		98
60) Dibromochloromethane	11.129	129	473163	104.808	ug/l		94
61) 1,2-Dibromoethane	11.239	107	377118	98.445	ug/l		99
64) Tetrachloroethene	10.861	164	373150	93.639	ug/l		94
65) Chlorobenzene	11.654	112	1379537	97.718	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	429702	98.411	ug/l		98
67) Ethyl Benzene	11.733	91	2417618	100.892	ug/l		98
68) m/p-Xylenes	11.837	106	1831269	201.010	ug/l		100
69) o-Xylene	12.166	106	866946	103.909	ug/l		97
70) Styrene	12.178	104	1517611	103.698	ug/l		99
71) Bromoform	12.349	173	245433	102.216	ug/l	#	97
73) Isopropylbenzene	12.464	105	2170904	100.834	ug/l		98
74) N-amyl acetate	12.269	43	752525	105.593	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	483298	95.361	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	360367m	91.111	ug/l		
77) Bromobenzene	12.745	156	482804	94.867	ug/l		100
78) n-propylbenzene	12.800	91	2698089	98.232	ug/l		99
79) 2-Chlorotoluene	12.891	91	1593521	97.306	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1824501	99.319	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	175153	104.898	ug/l		99
82) 4-Chlorotoluene	12.989	91	1684574	96.182	ug/l		99
83) tert-Butylbenzene	13.202	119	1539645	101.622	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	1828139	99.624	ug/l		99
85) sec-Butylbenzene	13.379	105	2308200	98.775	ug/l		98
86) p-Isopropyltoluene	13.495	119	1904035	98.926	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	989559	95.097	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	948878	91.872	ug/l		99
89) n-Butylbenzene	13.818	91	1963816	100.472	ug/l		98
90) Hexachloroethane	14.092	117	350927	95.199	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	850657	93.198	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	85051	97.332	ug/l		92
93) 1,2,4-Trichlorobenzene	15.129	180	551129	99.142	ug/l		97
94) Hexachlorobutadiene	15.232	225	244226	95.444	ug/l		96
95) Naphthalene	15.360	128	1375528	110.334	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	519329	102.833	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032567.D
Acq On : 03 Dec 2025 12:58
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

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

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

ICAL Form

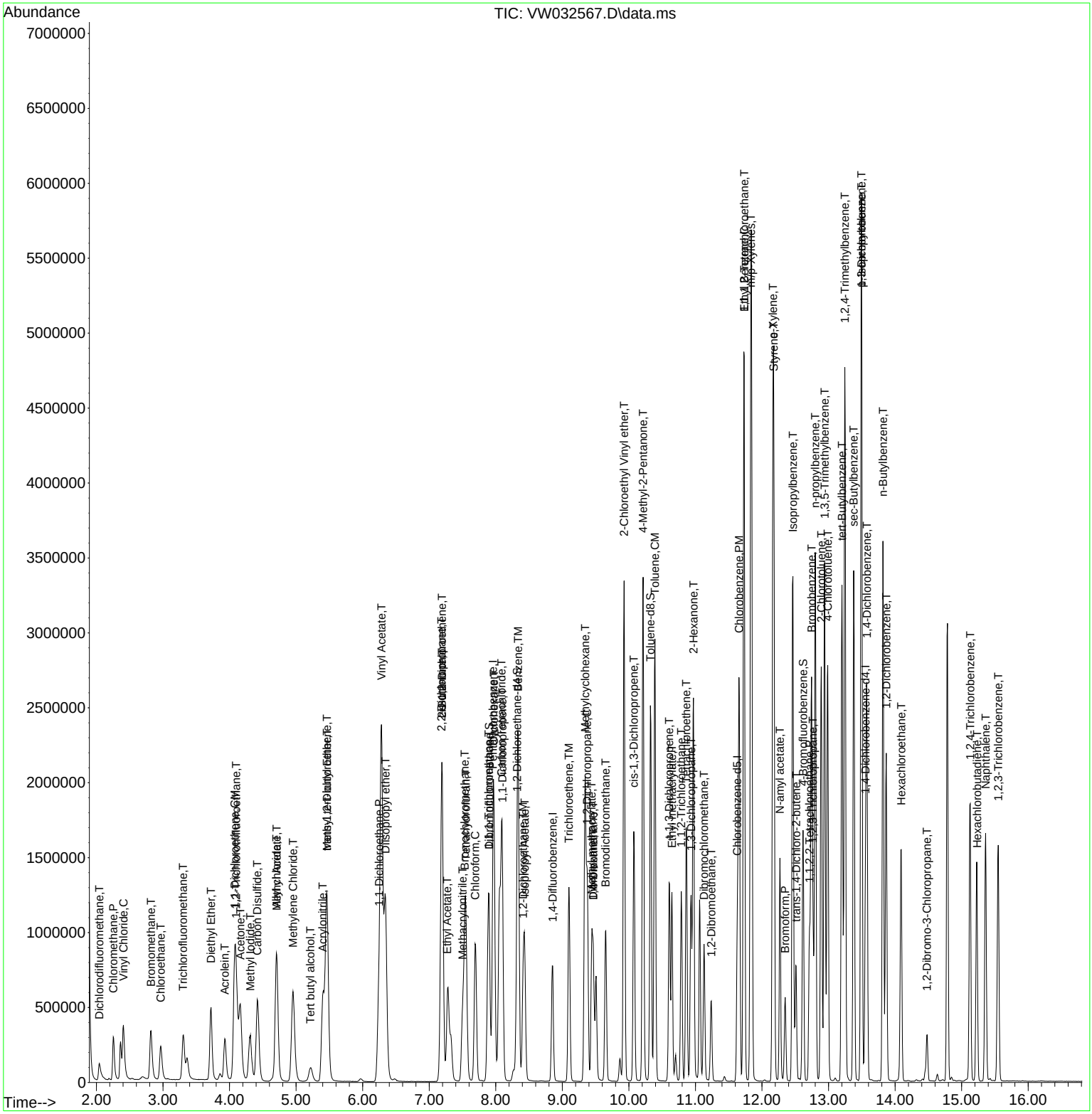
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032567.D
Acq On : 03 Dec 2025 12:58
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032568.D
Acq On : 03 Dec 2025 13:20
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	344845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	632962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	569805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	253448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	760845	148.257	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 296.520%#			
35) Dibromofluoromethane	7.905	113	638689	153.335	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 306.660%#			
50) Toluene-d8	10.325	98	2424884	154.712	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 309.420%#			
62) 4-Bromofluorobenzene	12.617	95	869102	150.085	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 300.160%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	307548	144.081	ug/l	92
3) Chloromethane	2.253	50	566242	144.303	ug/l	99
4) Vinyl Chloride	2.406	62	668896	140.504	ug/l	97
5) Bromomethane	2.814	94	450952	142.634	ug/l	92
6) Chloroethane	2.966	64	453956	147.632	ug/l	100
7) Trichlorofluoromethane	3.302	101	567062	153.675	ug/l	97
8) Diethyl Ether	3.722	74	410909	150.635	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	549768	140.925	ug/l	99
10) Methyl Iodide	4.308	142	904368	153.707	ug/l	96
11) Tert butyl alcohol	5.216	59	283606	718.481	ug/l #	87
12) 1,1-Dichloroethene	4.082	96	635060	144.380	ug/l	99
13) Acrolein	3.930	56	563429	805.333	ug/l	100
14) Allyl chloride	4.704	41	1258443	156.295	ug/l	99
15) Acrylonitrile	5.399	53	1128865	788.026	ug/l	99
16) Acetone	4.161	43	1277870	796.857	ug/l	99
17) Carbon Disulfide	4.417	76	1950048	149.648	ug/l	98
18) Methyl Acetate	4.710	43	508043	153.818	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	1278982	156.000	ug/l	99
20) Methylene Chloride	4.954	84	753644	131.413	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	721177	150.057	ug/l	97
22) Diisopropyl ether	6.344	45	2485007	154.645	ug/l	98
23) Vinyl Acetate	6.283	43	8659113	813.238	ug/l	100
24) 1,1-Dichloroethane	6.246	63	1395226	149.550	ug/l	99
25) 2-Butanone	7.191	43	1670432	811.659	ug/l	99
26) 2,2-Dichloropropane	7.185	77	742823	137.348	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	867694	155.080	ug/l	99
28) Bromochloromethane	7.533	49	635234	151.575	ug/l	99
29) Tetrahydrofuran	7.551	42	1000047	813.819	ug/l	99
30) Chloroform	7.697	83	1372018	148.182	ug/l	97
31) Cyclohexane	7.972	56	1160978	141.125	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	985298	146.623	ug/l	99
36) 1,1-Dichloropropene	8.100	75	975846	153.595	ug/l	99
37) Ethyl Acetate	7.270	43	681623	155.028	ug/l	100
38) Carbon Tetrachloride	8.087	117	892447	151.197	ug/l	92
39) Methylcyclohexane	9.343	83	1230826	158.653	ug/l	98
40) Benzene	8.337	78	3052873	150.785	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032568.D
Acq On : 03 Dec 2025 13:20
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	424590	178.472	ug/l		97
42) 1,2-Dichloroethane	8.411	62	941373	151.647	ug/l		99
43) Isopropyl Acetate	8.435	43	1235816	163.523	ug/l		100
44) Trichloroethene	9.106	130	683213	150.982	ug/l		91
45) 1,2-Dichloropropane	9.374	63	766457	152.411	ug/l		96
46) Dibromomethane	9.465	93	442404	152.131	ug/l		99
47) Bromodichloromethane	9.648	83	1079333	158.352	ug/l		98
48) Methyl methacrylate	9.441	41	585778	170.511	ug/l		93
49) 1,4-Dioxane	9.465	88	120400	3464.888	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.215	43	3331273	796.619	ug/l		98
52) Toluene	10.392	92	1913501	156.851	ug/l		96
53) t-1,3-Dichloropropene	10.611	75	1106047	169.147	ug/l		98
54) cis-1,3-Dichloropropene	10.081	75	1242091	161.865	ug/l		95
55) 1,1,2-Trichloroethane	10.788	97	594451	152.619	ug/l		92
56) Ethyl methacrylate	10.648	69	948462	176.082	ug/l		99
57) 1,3-Dichloropropane	10.934	76	1060340	152.538	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.929	63	2456147	870.246	ug/l		99
59) 2-Hexanone	10.971	43	2469400	829.176	ug/l		97
60) Dibromochloromethane	11.130	129	681720	156.162	ug/l		98
61) 1,2-Dibromoethane	11.239	107	571696	154.336	ug/l		98
64) Tetrachloroethene	10.867	164	570454	150.101	ug/l		91
65) Chlorobenzene	11.654	112	2046322	151.987	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	636011	152.732	ug/l		97
67) Ethyl Benzene	11.727	91	3674648	160.796	ug/l		100
68) m/p-Xylenes	11.837	106	2726282	313.781	ug/l		98
69) o-Xylene	12.166	106	1288302	161.908	ug/l		95
70) Styrene	12.178	104	2234499	160.096	ug/l		99
71) Bromoform	12.349	173	384325	167.831	ug/l	#	99
73) Isopropylbenzene	12.459	105	3238130	172.231	ug/l		100
74) N-amyl acetate	12.270	43	1116097	179.335	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.715	83	713958	161.316	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	520910m	150.812	ug/l		
77) Bromobenzene	12.745	156	744177	167.444	ug/l		96
78) n-propylbenzene	12.800	91	3955189	164.897	ug/l		98
79) 2-Chlorotoluene	12.891	91	2376967	166.210	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	2685262	167.388	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	266840	182.999	ug/l		95
82) 4-Chlorotoluene	12.983	91	2468799	161.414	ug/l		99
83) tert-Butylbenzene	13.202	119	2286132	172.790	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	2735793	170.721	ug/l		99
85) sec-Butylbenzene	13.379	105	3374724	165.372	ug/l		98
86) p-Isopropyltoluene	13.495	119	2903764	172.762	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	1471665	161.952	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	1378445	152.831	ug/l		96
89) n-Butylbenzene	13.818	91	2862995	167.732	ug/l		99
90) Hexachloroethane	14.092	117	540322	167.848	ug/l		96
91) 1,2-Dichlorobenzene	13.867	146	1248934	156.690	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.477	75	128630	168.565	ug/l		93
93) 1,2,4-Trichlorobenzene	15.123	180	866787	178.552	ug/l		98
94) Hexachlorobutadiene	15.220	225	359013	160.664	ug/l		97
95) Naphthalene	15.361	128	2110720	193.874	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	759368	172.185	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032568.D
Acq On : 03 Dec 2025 13:20
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

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

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

ICAL Form

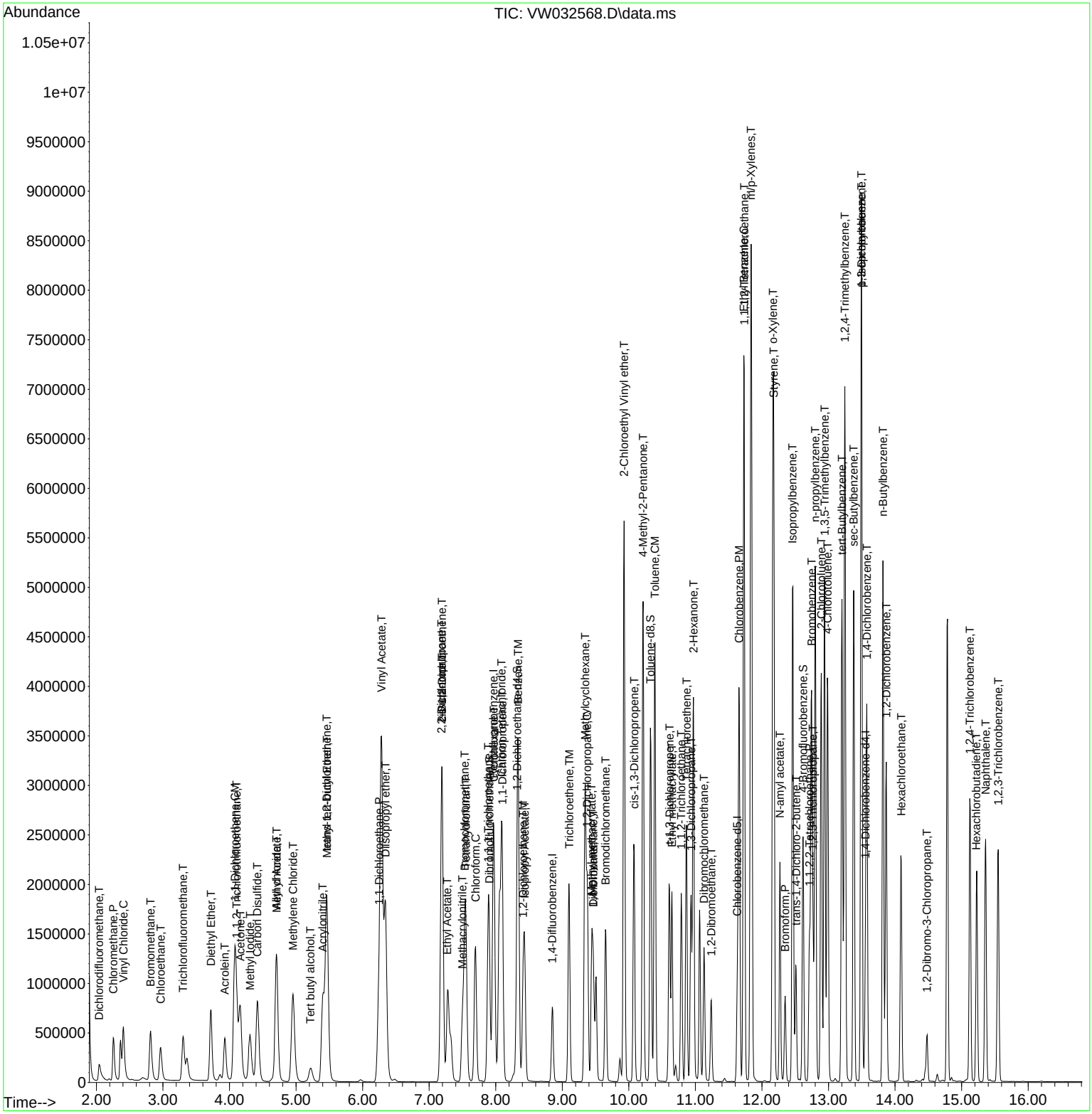
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032568.D
Acq On : 03 Dec 2025 13:20
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	398127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	714155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	645480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	302417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	265547	44.819	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 89.640%			
35) Dibromofluoromethane	7.898	113	208827	44.435	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 88.860%			
50) Toluene-d8	10.325	98	815809	46.132	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.617	95	307024	46.992	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	124033	50.331	ug/l	89
3) Chloromethane	2.253	50	205080	45.269	ug/l	98
4) Vinyl Chloride	2.405	62	260399	47.378	ug/l	97
5) Bromomethane	2.820	94	169887	46.543	ug/l	87
6) Chloroethane	2.966	64	168099	47.351	ug/l	100
7) Trichlorofluoromethane	3.302	101	201379	47.271	ug/l	99
8) Diethyl Ether	3.722	74	151315	48.047	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	226585	50.309	ug/l	100
10) Methyl Iodide	4.308	142	309996	45.636	ug/l	99
11) Tert butyl alcohol	5.216	59	106621	233.962	ug/l #	83
12) 1,1-Dichloroethene	4.076	96	243910	48.031	ug/l	97
13) Acrolein	3.930	56	171086	211.813	ug/l	99
14) Allyl chloride	4.704	41	454506	48.894	ug/l	99
15) Acrylonitrile	5.399	53	427344	258.392	ug/l	100
16) Acetone	4.155	43	509869	275.394	ug/l	99
17) Carbon Disulfide	4.423	76	734064	48.794	ug/l	97
18) Methyl Acetate	4.710	43	205094	53.785	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	485989	51.344	ug/l	100
20) Methylene Chloride	4.954	84	285485	43.118	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	268807	48.446	ug/l	93
22) Diisopropyl ether	6.338	45	922475	49.724	ug/l	97
23) Vinyl Acetate	6.277	43	3155793	256.717	ug/l	100
24) 1,1-Dichloroethane	6.246	63	513008	47.629	ug/l	99
25) 2-Butanone	7.191	43	646360	272.033	ug/l	99
26) 2,2-Dichloropropane	7.185	77	288293	46.172	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	308569	47.769	ug/l	98
28) Bromochloromethane	7.533	49	212423	43.903	ug/l	98
29) Tetrahydrofuran	7.551	42	382309	269.479	ug/l	100
30) Chloroform	7.691	83	502709	47.028	ug/l	99
31) Cyclohexane	7.972	56	477062	50.229	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	370315	47.732	ug/l	99
36) 1,1-Dichloropropene	8.093	75	372283	51.934	ug/l	99
37) Ethyl Acetate	7.270	43	253545	51.110	ug/l	99
38) Carbon Tetrachloride	8.081	117	345821	51.927	ug/l	97
39) Methylcyclohexane	9.343	83	486688	55.602	ug/l	99
40) Benzene	8.331	78	1112566	48.704	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	145761	54.303	ug/l		94
42) 1,2-Dichloroethane	8.411	62	345779	49.369	ug/l		100
43) Isopropyl Acetate	8.435	43	455138	53.377	ug/l		100
44) Trichloroethene	9.099	130	251995	49.357	ug/l		92
45) 1,2-Dichloropropane	9.374	63	282193	49.735	ug/l		97
46) Dibromomethane	9.465	93	163642	49.874	ug/l		97
47) Bromodichloromethane	9.648	83	382528	49.741	ug/l		99
48) Methyl methacrylate	9.441	41	228291	58.897	ug/l		98
49) 1,4-Dioxane	9.465	88	44246	1128.553	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.209	43	1281933	271.701	ug/l		100
52) Toluene	10.386	92	688534	50.023	ug/l		100
53) t-1,3-Dichloropropene	10.605	75	391943	53.125	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	443776	51.256	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	215881	49.124	ug/l		98
56) Ethyl methacrylate	10.648	69	338030	55.621	ug/l		99
57) 1,3-Dichloropropane	10.934	76	399206	50.900	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.929	63	826463	259.535	ug/l		99
59) 2-Hexanone	10.965	43	941458	280.183	ug/l		99
60) Dibromochloromethane	11.130	129	252239	51.211	ug/l		93
61) 1,2-Dibromoethane	11.233	107	210015	50.250	ug/l		97
64) Tetrachloroethene	10.861	164	213825	49.667	ug/l		94
65) Chlorobenzene	11.654	112	748072	49.048	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	233284	49.453	ug/l		99
67) Ethyl Benzene	11.727	91	1339097	51.727	ug/l		96
68) m/p-Xylenes	11.837	106	1007613	102.375	ug/l		100
69) o-Xylene	12.166	106	462073	51.263	ug/l		91
70) Styrene	12.178	104	827441	52.334	ug/l		100
71) Bromoform	12.349	173	138115	53.243	ug/l	#	100
73) Isopropylbenzene	12.459	105	1176002	52.421	ug/l		99
74) N-amyl acetate	12.270	43	411426	55.404	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	276852	52.425	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	203576m	49.748	ug/l		
77) Bromobenzene	12.745	156	264537	49.884	ug/l		99
78) n-propylbenzene	12.800	91	1512143	52.835	ug/l		100
79) 2-Chlorotoluene	12.891	91	889651	52.136	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1011081	52.821	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.507	75	97946	56.295	ug/l		97
82) 4-Chlorotoluene	12.983	91	924236	50.643	ug/l		99
83) tert-Butylbenzene	13.202	119	881605	55.844	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	1000970	52.349	ug/l		99
85) sec-Butylbenzene	13.379	105	1298512	53.328	ug/l		100
86) p-Isopropyltoluene	13.495	119	1078629	53.783	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	533362	49.191	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	518528	48.181	ug/l		95
89) n-Butylbenzene	13.818	91	1093053	53.669	ug/l		99
90) Hexachloroethane	14.086	117	191086	49.748	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	489025	51.418	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	47890	52.596	ug/l		97
93) 1,2,4-Trichlorobenzene	15.123	180	306002	52.827	ug/l		94
94) Hexachlorobutadiene	15.226	225	130376	48.898	ug/l		96
95) Naphthalene	15.354	128	748197	57.123	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	272820	51.844	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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

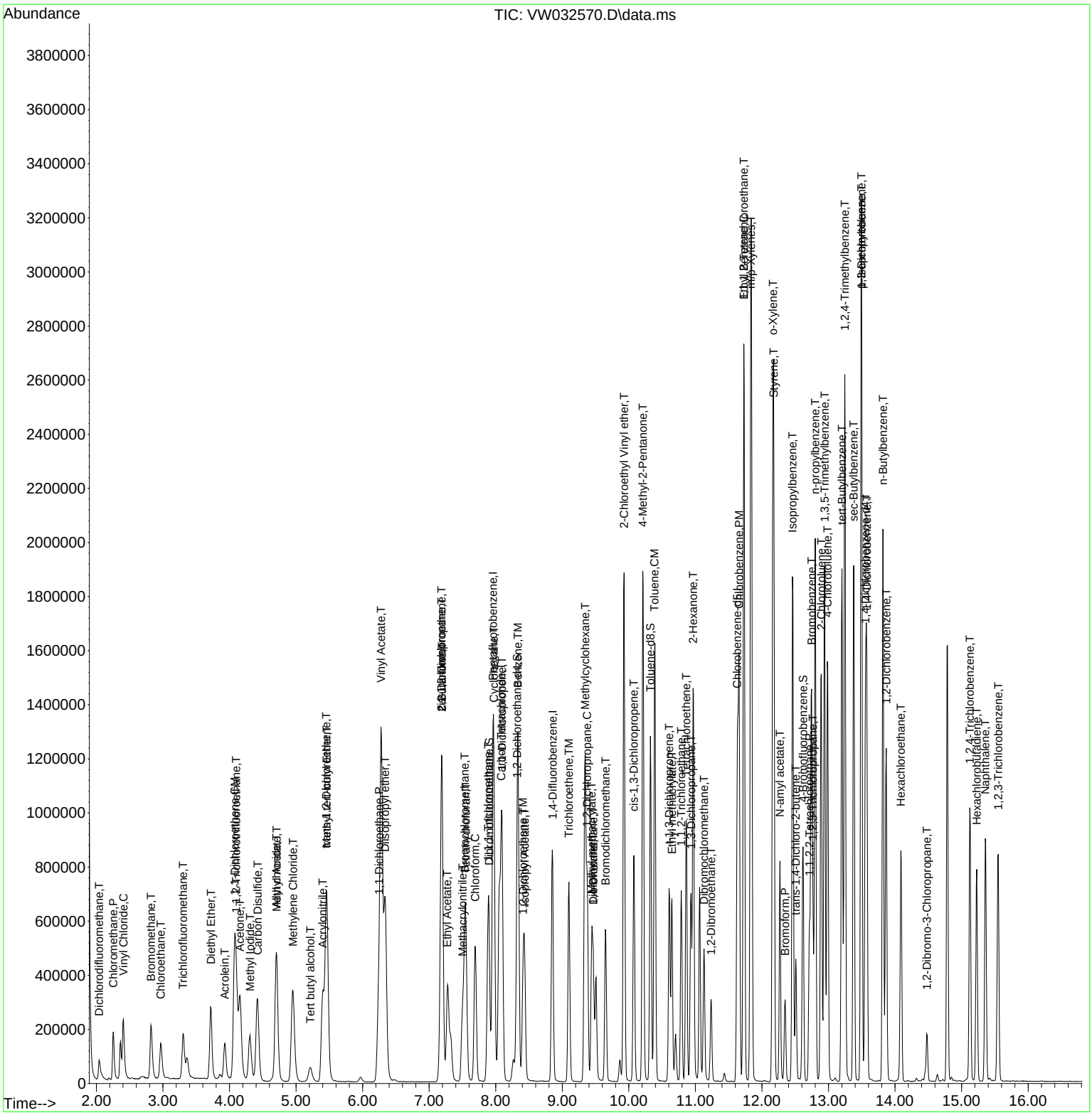
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	110	0.00
2	T	Dichlorodifluoromethane	0.309	0.312	-1.0	126	0.00
3	P	Chloromethane	0.569	0.515	9.5	116	0.00
4	C	Vinyl Chloride	0.690	0.654	5.2#	113	0.00
5	T	Bromomethane	0.458	0.427	6.8	112	0.00
6	T	Chloroethane	0.446	0.422	5.4	110	0.00
7	T	Trichlorofluoromethane	0.535	0.506	5.4	108	0.00
8	T	Diethyl Ether	0.396	0.380	4.0	113	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.566	0.569	-0.5	118	0.00
10	T	Methyl Iodide	0.853	0.779	8.7	109	0.00
11	T	Tert butyl alcohol	0.057	0.054	5.3	110	0.00
12	CM	1,1-Dichloroethene	0.638	0.613	3.9#	112	0.00
13	T	Acrolein	0.101	0.086	14.9	88	0.00
14	T	Allyl chloride	1.167	1.142	2.1	111	0.00
15	T	Acrylonitrile	0.208	0.215	-3.4	111	0.00
16	T	Acetone	0.233	0.256	-9.9	118	0.00
17	T	Carbon Disulfide	1.889	1.844	2.4	113	0.00
18	T	Methyl Acetate	0.479	0.515	-7.5	116	0.00
19	T	Methyl tert-butyl Ether	1.189	1.221	-2.7	111	0.00
20	T	Methylene Chloride	0.832	0.717	13.8	109	0.00
21	T	trans-1,2-Dichloroethene	0.697	0.675	3.2	112	0.00
22	T	Diisopropyl ether	2.330	2.317	0.6	109	0.00
23	T	Vinyl Acetate	1.544	1.585	-2.7	108	0.00
24	P	1,1-Dichloroethane	1.353	1.289	4.7	110	0.00
25	T	2-Butanone	0.298	0.325	-9.1	116	0.00
26	T	2,2-Dichloropropane	0.784	0.724	7.7	111	0.00
27	T	cis-1,2-Dichloroethene	0.811	0.775	4.4	109	0.00
28	T	Bromochloromethane	0.608	0.534	12.2	95	0.00
29	T	Tetrahydrofuran	0.178	0.192	-7.9	110	0.00
30	C	Chloroform	1.342	1.263	5.9#	110	0.00
31	T	Cyclohexane	1.193	1.198	-0.4	119	0.00
32	T	1,1,1-Trichloroethane	0.974	0.930	4.5	111	0.00
33	S	1,2-Dichloroethane-d4	0.744	0.667	10.3	100	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35	S	Dibromofluoromethane	0.329	0.292	11.2	96	0.00
36	T	1,1-Dichloropropene	0.502	0.521	-3.8	114	0.00
37	T	Ethyl Acetate	0.347	0.355	-2.3	106	0.00
38	T	Carbon Tetrachloride	0.466	0.484	-3.9	118	0.00
39	T	Methylcyclohexane	0.613	0.681	-11.1	119	0.00
40	TM	Benzene	1.599	1.558	2.6	109	0.00
41	T	Methacrylonitrile	0.188	0.204	-8.5	103	0.00
42	TM	1,2-Dichloroethane	0.490	0.484	1.2	108	0.00
43	T	Isopropyl Acetate	0.597	0.637	-6.7	110	0.00
44	TM	Trichloroethene	0.357	0.353	1.1	111	0.00
45	C	1,2-Dichloropropane	0.397	0.395	0.5#	110	0.00
46	T	Dibromomethane	0.230	0.229	0.4	108	0.00
47	T	Bromodichloromethane	0.538	0.536	0.4	110	0.00
48	T	Methyl methacrylate	0.271	0.320	-18.1	110	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	0.003	0.003	0.0	111	0.00
50	S	Toluene-d8	1.238	1.142	7.8	99	0.00
51	T	4-Methyl-2-Pentanone	0.330	0.359	-8.8	109	0.00
52	CM	Toluene	0.964	0.964	0.0	110	0.00
53	T	t-1,3-Dichloropropene	0.517	0.549	-6.2	114	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.621	-2.5	111	0.00
55	T	1,1,2-Trichloroethane	0.308	0.302	1.9	108	0.00
56	T	Ethyl methacrylate	0.425	0.473	-11.3	110	0.00
57	T	1,3-Dichloropropane	0.549	0.559	-1.8	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.223	0.231	-3.6	103	0.00
59	T	2-Hexanone	0.235	0.264	-12.3	109	0.00
60	T	Dibromochloromethane	0.345	0.353	-2.3	114	0.00
61	T	1,2-Dibromoethane	0.293	0.294	-0.3	109	0.00
62	S	4-Bromofluorobenzene	0.457	0.430	5.9	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.333	0.331	0.6	112	0.00
65	PM	Chlorobenzene	1.181	1.159	1.9	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.365	0.361	1.1	107	0.00
67	C	Ethyl Benzene	2.005	2.075	-3.5#	111	0.00
68	T	m/p-Xylenes	0.762	0.781	-2.5	109	0.00
69	T	o-Xylene	0.698	0.716	-2.6	105	0.00
70	T	Styrene	1.225	1.282	-4.7	109	0.00
71	P	Bromoform	0.201	0.214	-6.5	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.709	3.889	-4.9	107	0.00
74	T	N-amyl acetate	1.228	1.360	-10.7	108	0.00
75	P	1,1,2,2-Tetrachloroethane	0.873	0.915	-4.8	108	0.00
76	T	1,2,3-Trichloropropane	0.677	0.673	0.6	107	0.00
77	T	Bromobenzene	0.877	0.875	0.2	109	0.00
78	T	n-propylbenzene	4.732	5.000	-5.7	109	0.00
79	T	2-Chlorotoluene	2.821	2.942	-4.3	111	0.00
80	T	1,3,5-Trimethylbenzene	3.165	3.343	-5.6	110	0.00
81	T	trans-1,4-Dichloro-2-butene	0.288	0.324	-12.5	109	0.00
82	T	4-Chlorotoluene	3.017	3.056	-1.3	106	0.00
83	T	tert-Butylbenzene	2.610	2.915	-11.7	117	0.00
84	T	1,2,4-Trimethylbenzene	3.161	3.310	-4.7	109	0.00
85	T	sec-Butylbenzene	4.026	4.294	-6.7	112	0.00
86	T	p-Isopropyltoluene	3.316	3.567	-7.6	115	0.00
87	T	1,3-Dichlorobenzene	1.793	1.764	1.6	106	0.00
88	T	1,4-Dichlorobenzene	1.779	1.715	3.6	103	0.00
89	T	n-Butylbenzene	3.367	3.614	-7.3	114	0.00
90	T	Hexachloroethane	0.635	0.632	0.5	109	0.00
91	T	1,2-Dichlorobenzene	1.572	1.617	-2.9	110	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.151	0.158	-4.6	108	0.00
93	T	1,2,4-Trichlorobenzene	0.958	1.012	-5.6	115	0.00
94	T	Hexachlorobutadiene	0.441	0.431	2.3	105	0.00
95	T	Naphthalene	2.166	2.474	-14.2	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	0.870	0.902	-3.7	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	110	0.00
2	T	Dichlorodifluoromethane	50.000	50.331	-0.7	126	0.00
3	P	Chloromethane	50.000	45.269	9.5	116	0.00
4	C	Vinyl Chloride	50.000	47.378	5.2#	113	0.00
5	T	Bromomethane	50.000	46.543	6.9	112	0.00
6	T	Chloroethane	50.000	47.351	5.3	110	0.00
7	T	Trichlorofluoromethane	50.000	47.271	5.5	108	0.00
8	T	Diethyl Ether	50.000	48.047	3.9	113	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.309	-0.6	118	0.00
10	T	Methyl Iodide	50.000	45.636	8.7	109	0.00
11	T	Tert butyl alcohol	250.000	233.962	6.4	110	0.00
12	CM	1,1-Dichloroethene	50.000	48.031	3.9#	112	0.00
13	T	Acrolein	250.000	211.813	15.3	88	0.00
14	T	Allyl chloride	50.000	48.894	2.2	111	0.00
15	T	Acrylonitrile	250.000	258.392	-3.4	111	0.00
16	T	Acetone	250.000	275.394	-10.2	118	0.00
17	T	Carbon Disulfide	50.000	48.794	2.4	113	0.00
18	T	Methyl Acetate	50.000	53.785	-7.6	116	0.00
19	T	Methyl tert-butyl Ether	50.000	51.344	-2.7	111	0.00
20	T	Methylene Chloride	50.000	43.118	13.8	109	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.446	3.1	112	0.00
22	T	Diisopropyl ether	50.000	49.724	0.6	109	0.00
23	T	Vinyl Acetate	250.000	256.717	-2.7	108	0.00
24	P	1,1-Dichloroethane	50.000	47.629	4.7	110	0.00
25	T	2-Butanone	250.000	272.033	-8.8	116	0.00
26	T	2,2-Dichloropropane	50.000	46.172	7.7	111	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.769	4.5	109	0.00
28	T	Bromochloromethane	50.000	43.903	12.2	95	0.00
29	T	Tetrahydrofuran	250.000	269.479	-7.8	110	0.00
30	C	Chloroform	50.000	47.028	5.9#	110	0.00
31	T	Cyclohexane	50.000	50.229	-0.5	119	0.00
32	T	1,1,1-Trichloroethane	50.000	47.732	4.5	111	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.819	10.4	100	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35	S	Dibromofluoromethane	50.000	44.435	11.1	96	0.00
36	T	1,1-Dichloropropene	50.000	51.934	-3.9	114	0.00
37	T	Ethyl Acetate	50.000	51.110	-2.2	106	0.00
38	T	Carbon Tetrachloride	50.000	51.927	-3.9	118	0.00
39	T	Methylcyclohexane	50.000	55.602	-11.2	119	0.00
40	TM	Benzene	50.000	48.704	2.6	109	0.00
41	T	Methacrylonitrile	50.000	54.303	-8.6	103	0.00
42	TM	1,2-Dichloroethane	50.000	49.369	1.3	108	0.00
43	T	Isopropyl Acetate	50.000	53.377	-6.8	110	0.00
44	TM	Trichloroethene	50.000	49.357	1.3	111	0.00
45	C	1,2-Dichloropropane	50.000	49.735	0.5#	110	0.00
46	T	Dibromomethane	50.000	49.874	0.3	108	0.00
47	T	Bromodichloromethane	50.000	49.741	0.5	110	0.00
48	T	Methyl methacrylate	50.000	58.897	-17.8	110	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	1128.553	-12.9	111	0.00
50	S	Toluene-d8	50.000	46.132	7.7	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	271.701	-8.7	109	0.00
52	CM	Toluene	50.000	50.023	-0.0#	110	0.00
53	T	t-1,3-Dichloropropene	50.000	53.125	-6.3	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.256	-2.5	111	0.00
55	T	1,1,2-Trichloroethane	50.000	49.124	1.8	108	0.00
56	T	Ethyl methacrylate	50.000	55.621	-11.2	110	0.00
57	T	1,3-Dichloropropane	50.000	50.900	-1.8	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	259.535	-3.8	103	0.00
59	T	2-Hexanone	250.000	280.183	-12.1	109	0.00
60	T	Dibromochloromethane	50.000	51.211	-2.4	114	0.00
61	T	1,2-Dibromoethane	50.000	50.250	-0.5	109	0.00
62	S	4-Bromofluorobenzene	50.000	46.992	6.0	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	49.667	0.7	112	0.00
65	PM	Chlorobenzene	50.000	49.048	1.9	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.453	1.1	107	0.00
67	C	Ethyl Benzene	50.000	51.727	-3.5#	111	0.00
68	T	m/p-Xylenes	100.000	102.375	-2.4	109	0.00
69	T	o-Xylene	50.000	51.263	-2.5	105	0.00
70	T	Styrene	50.000	52.334	-4.7	109	0.00
71	P	Bromoform	50.000	53.243	-6.5	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	52.421	-4.8	107	0.00
74	T	N-amyl acetate	50.000	55.404	-10.8	108	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.425	-4.8	108	0.00
76	T	1,2,3-Trichloropropane	50.000	49.748	0.5	107	0.00
77	T	Bromobenzene	50.000	49.884	0.2	109	0.00
78	T	n-propylbenzene	50.000	52.835	-5.7	109	0.00
79	T	2-Chlorotoluene	50.000	52.136	-4.3	111	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.821	-5.6	110	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.295	-12.6	109	0.00
82	T	4-Chlorotoluene	50.000	50.643	-1.3	106	0.00
83	T	tert-Butylbenzene	50.000	55.844	-11.7	117	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.349	-4.7	109	0.00
85	T	sec-Butylbenzene	50.000	53.328	-6.7	112	0.00
86	T	p-Isopropyltoluene	50.000	53.783	-7.6	115	0.00
87	T	1,3-Dichlorobenzene	50.000	49.191	1.6	106	0.00
88	T	1,4-Dichlorobenzene	50.000	48.181	3.6	103	0.00
89	T	n-Butylbenzene	50.000	53.669	-7.3	114	0.00
90	T	Hexachloroethane	50.000	49.748	0.5	109	0.00
91	T	1,2-Dichlorobenzene	50.000	51.418	-2.8	110	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.596	-5.2	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.827	-5.7	115	0.00
94	T	Hexachlorobutadiene	50.000	48.898	2.2	105	0.00
95	T	Naphthalene	50.000	57.123	-14.2	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.844	-3.7	108	0.00

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

Raw Data: **VW032583.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TULL02
Lab Code: ACE
SDG No.: Q3790
Instrument ID: MSVOA_W
Calibration Date/Time: 12/08/2025 09:40
Lab File ID: VW032583.D
Init. Calib. Date(s): 12/03/2025 12/03/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 11:32 13:20
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.309	0.307		-0.65	20
Chloromethane	0.569	0.510	0.1	-10.37	20
Vinyl Chloride	0.690	0.699		1.3	20
Bromomethane	0.458	0.449		-1.97	20
Chloroethane	0.446	0.438		-1.79	20
Trichlorofluoromethane	0.535	0.523		-2.24	20
1,1,2-Trichlorotrifluoroethane	0.566	0.601		6.18	20
1,1-Dichloroethene	0.638	0.645		1.1	20
Acetone	0.233	0.234		0.43	20
Carbon Disulfide	1.889	1.890		0.05	20
Methyl tert-butyl Ether	1.189	1.253		5.38	20
Methyl Acetate	0.479	0.500		4.38	20
Methylene Chloride	0.832	0.746		-10.34	20
trans-1,2-Dichloroethene	0.697	0.703		0.86	20
1,1-Dichloroethane	1.353	1.368	0.1	1.11	20
Cyclohexane	1.193	1.223		2.52	20
2-Butanone	0.298	0.296		-0.67	20
Carbon Tetrachloride	0.466	0.494		6.01	20
cis-1,2-Dichloroethene	0.811	0.800		-1.36	20
Bromochloromethane	0.608	0.594		-2.3	20
Chloroform	1.342	1.345		0.22	20
1,1,1-Trichloroethane	0.974	0.986		1.23	20
Methylcyclohexane	0.613	0.687		12.07	20
Benzene	1.599	1.610		0.69	20
1,2-Dichloroethane	0.490	0.497		1.43	20
Trichloroethene	0.357	0.367		2.8	20
1,2-Dichloropropane	0.397	0.411		3.53	20
Bromodichloromethane	0.538	0.560		4.09	20
4-Methyl-2-Pentanone	0.330	0.343		3.94	20
Toluene	0.964	0.994		3.11	20
t-1,3-Dichloropropene	0.517	0.546		5.61	20
cis-1,3-Dichloropropene	0.606	0.638		5.28	20
1,1,2-Trichloroethane	0.308	0.313		1.62	20
2-Hexanone	0.235	0.247		5.11	20
Dibromochloromethane	0.345	0.354		2.61	20
1,2-Dibromoethane	0.293	0.297		1.37	20
Tetrachloroethene	0.333	0.328		-1.5	20
Chlorobenzene	1.181	1.201	0.3	1.69	20

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

Raw Data: **VW032583.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	TULL02
Lab Code:	ACE	SDG No.:	Q3790
Instrument ID:	MSVOA_W	Calibration Date/Time:	12/08/2025 09:40
Lab File ID:	VW032583.D	Init. Calib. Date(s):	12/03/2025 12/03/2025
Heated Purge: (Y/N)	Y	Init. Calib. Time(s):	11:32 13:20

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.005	2.109		5.19	20
m/p-Xylenes	0.762	0.815		6.95	20
o-Xylene	0.698	0.732		4.87	20
Styrene	1.225	1.315		7.35	20
Bromoform	0.201	0.209	0.1	3.98	20
Isopropylbenzene	3.709	4.009		8.09	20
1,1,2,2-Tetrachloroethane	0.873	0.912	0.3	4.47	20
1,3-Dichlorobenzene	1.793	1.824		1.73	20
1,4-Dichlorobenzene	1.779	1.868		5	20
1,2-Dichlorobenzene	1.572	1.632		3.82	20
1,2-Dibromo-3-Chloropropane	0.151	0.155		2.65	20
1,2,4-Trichlorobenzene	0.958	0.988		3.13	20
1,2,3-Trichlorobenzene	0.870	0.944		8.51	20
1,2-Dichloroethane-d4	0.744	0.659		-11.43	20
Dibromofluoromethane	0.329	0.298		-9.42	20
Toluene-d8	1.238	1.131		-8.64	20
4-Bromofluorobenzene	0.457	0.415		-9.19	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_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
12/09/2025
Supervised By :Mahesh Dadoda
12/11/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.959	168	354482	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	643883	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.635	117	585250	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	270635	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.313	65	233576	44.277 ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	88.560%	
35) Dibromofluoromethane	7.898	113	191802	45.266 ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	90.540%	
50) Toluene-d8	10.325	98	728370	45.683 ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	91.360%	
62) 4-Bromofluorobenzene	12.617	95	266897	45.309 ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	90.620%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.046	85	108790	49.581 ug/l	95
3) Chloromethane	2.253	50	180837	44.832 ug/l	98
4) Vinyl Chloride	2.405	62	247682	50.612 ug/l	97
5) Bromomethane	2.820	94	158995	48.922 ug/l	91
6) Chloroethane	2.966	64	155100	49.069 ug/l	99
7) Trichlorofluoromethane	3.301	101	185521	48.910 ug/l	97
8) Diethyl Ether	3.716	74	134877	48.100 ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	212992	53.113 ug/l	98
10) Methyl Iodide	4.301	142	289642	47.889 ug/l	98
11) Tert butyl alcohol	5.210	59	80720	198.935 ug/l #	85
12) 1,1-Dichloroethene	4.076	96	228699	50.581 ug/l	97
13) Acrolein	3.929	56	206862	287.638 ug/l	99
14) Allyl chloride	4.704	41	417400	50.431 ug/l	99
15) Acrylonitrile	5.399	53	373582	253.696 ug/l	100
16) Acetone	4.155	43	415058	251.786 ug/l	100
17) Carbon Disulfide	4.417	76	670098	50.026 ug/l	99
18) Methyl Acetate	4.704	43	177294	52.219 ug/l	100
19) Methyl tert-butyl Ether	5.460	73	444122	52.698 ug/l	98
20) Methylene Chloride	4.954	84	264319	44.836 ug/l	94
21) trans-1,2-Dichloroethene	5.453	96	249361	50.475 ug/l	97
22) Diisopropyl ether	6.337	45	858976	52.002 ug/l	98
23) Vinyl Acetate	6.276	43	2861114	261.402 ug/l	100
24) 1,1-Dichloroethane	6.240	63	484990	50.571 ug/l	100
25) 2-Butanone	7.191	43	525058	248.189 ug/l	98
26) 2,2-Dichloropropane	7.185	77	264127	47.509 ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	283703	49.327 ug/l	100
28) Bromochloromethane	7.532	49	210541	48.872 ug/l	98
29) Tetrahydrofuran	7.551	42	324466	256.866 ug/l	99
30) Chloroform	7.691	83	476774	50.093 ug/l	98
31) Cyclohexane	7.971	56	433525	51.265 ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	349693	50.623 ug/l	99
36) 1,1-Dichloropropene	8.093	75	339605	52.546 ug/l	99
37) Ethyl Acetate	7.270	43	221912	49.616 ug/l	98
38) Carbon Tetrachloride	8.081	117	317968	52.956 ug/l	94
39) Methylcyclohexane	9.343	83	442559	56.078 ug/l	97
40) Benzene	8.331	78	1036816	50.341 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
12/09/2025
Supervised By :Mahesh Dadoda
12/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	129656	53.575	ug/l		95
42) 1,2-Dichloroethane	8.410	62	320233	50.712	ug/l		100
43) Isopropyl Acetate	8.429	43	390360	50.776	ug/l		100
44) Trichloroethene	9.099	130	236052	51.280	ug/l		94
45) 1,2-Dichloropropane	9.373	63	264593	51.722	ug/l		96
46) Dibromomethane	9.465	93	152399	51.517	ug/l		97
47) Bromodichloromethane	9.648	83	360823	52.039	ug/l		97
48) Methyl methacrylate	9.441	41	181976	52.072	ug/l		91
49) 1,4-Dioxane	9.459	88	38686	1094.428	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.209	43	1104776	259.708	ug/l		100
52) Toluene	10.392	92	639827	51.558	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	351401	52.828	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	410648	52.606	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	201509	50.858	ug/l		96
56) Ethyl methacrylate	10.648	69	293861	53.630	ug/l		100
57) 1,3-Dichloropropane	10.934	76	365342	51.666	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	755009	262.973	ug/l		99
59) 2-Hexanone	10.965	43	796187	262.809	ug/l		99
60) Dibromochloromethane	11.129	129	227900	51.320	ug/l		95
61) 1,2-Dibromoethane	11.233	107	191095	50.713	ug/l		98
64) Tetrachloroethene	10.861	164	192053	49.201	ug/l		97
65) Chlorobenzene	11.654	112	702735	50.817	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.727	131	216721	50.670	ug/l		99
67) Ethyl Benzene	11.727	91	1234207	52.581	ug/l		97
68) m/p-Xylenes	11.836	106	953728	106.872	ug/l		96
69) o-Xylene	12.166	106	428571	52.439	ug/l		91
70) Styrene	12.178	104	769583	53.683	ug/l		99
71) Bromoform	12.349	173	122154	51.936	ug/l	#	98
73) Isopropylbenzene	12.458	105	1084857	54.038	ug/l		97
74) N-amyl acetate	12.269	43	359406	54.082	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	246834	52.229	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	218687m	59.716	ug/l		
77) Bromobenzene	12.745	156	255593	53.858	ug/l		94
78) n-propylbenzene	12.800	91	1415608	55.271	ug/l		100
79) 2-Chlorotoluene	12.885	91	822505	53.861	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	932269	54.423	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	83858	53.858	ug/l		95
82) 4-Chlorotoluene	12.983	91	871446	53.358	ug/l		99
83) tert-Butylbenzene	13.202	119	783607	55.465	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	939489	54.903	ug/l		99
85) sec-Butylbenzene	13.379	105	1198795	55.014	ug/l		98
86) p-Isopropyltoluene	13.489	119	947843	52.812	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	493757	50.886	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	505453	52.482	ug/l		99
89) n-Butylbenzene	13.818	91	1001695	54.959	ug/l		99
90) Hexachloroethane	14.086	117	185680	54.017	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	441654	51.891	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	41893	51.413	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	267333	51.572	ug/l		99
94) Hexachlorobutadiene	15.226	225	114991	48.192	ug/l		96
95) Naphthalene	15.360	128	653120	55.720	ug/l		100
96) 1,2,3-Trichlorobenzene	15.543	180	255566	54.269	ug/l		98

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
12/09/2025
Supervised By :Mahesh Dadoda
12/11/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

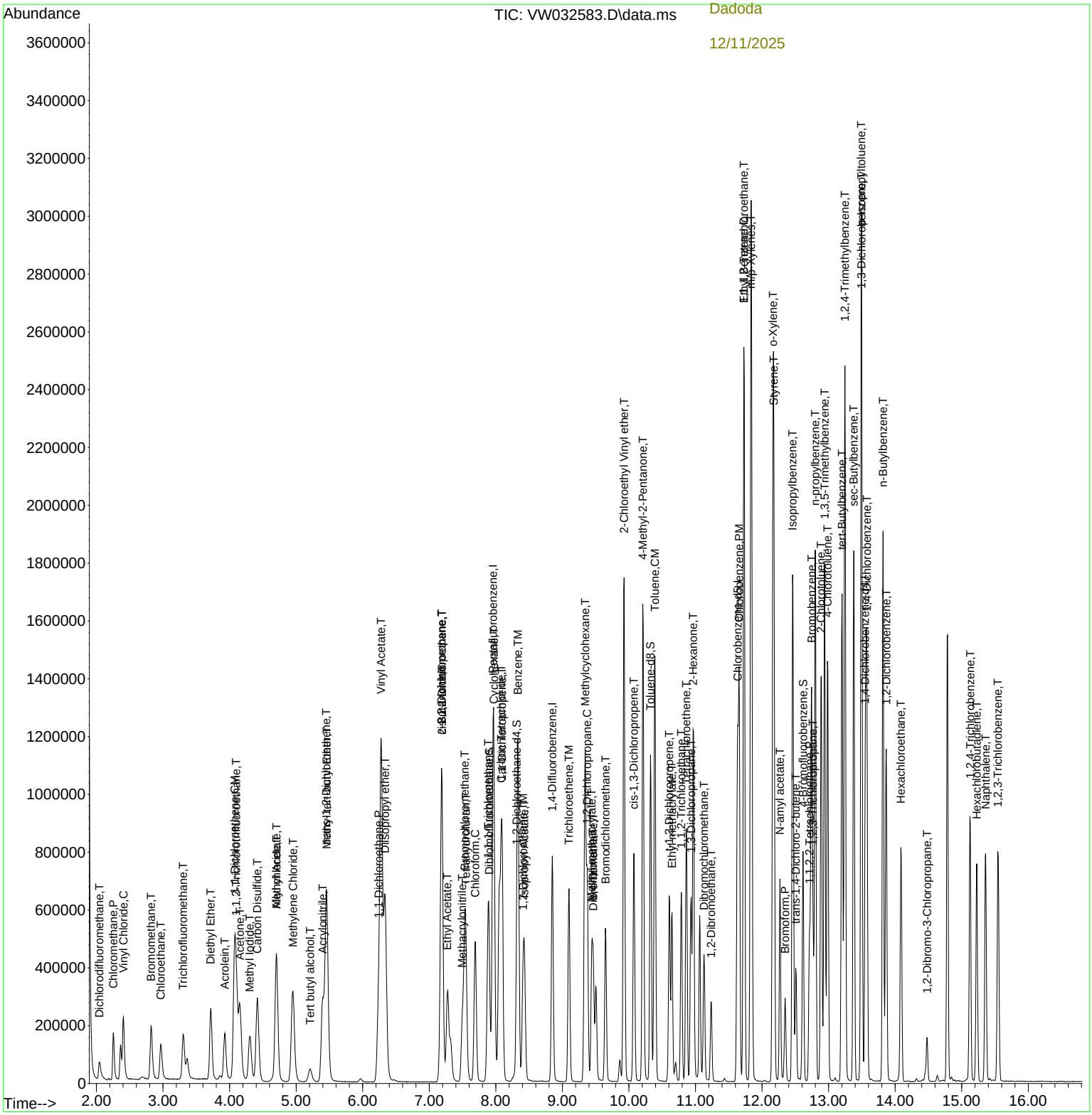
Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

12/09/2025

Supervised By :Mahesh Dadoda

12/11/2025



Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	0.309	0.307	0.6	111	0.00
3	P	Chloromethane	0.569	0.510	10.4	102	0.00
4	C	Vinyl Chloride	0.690	0.699	-1.3#	108	0.00
5	T	Bromomethane	0.458	0.449	2.0	105	0.00
6	T	Chloroethane	0.446	0.438	1.8	102	0.00
7	T	Trichlorofluoromethane	0.535	0.523	2.2	99	0.00
8	T	Diethyl Ether	0.396	0.380	4.0	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.566	0.601	-6.2	111	0.00
10	T	Methyl Iodide	0.853	0.817	4.2	102	-0.01
11	T	Tert butyl alcohol	0.057	0.046	19.3	83	0.00
12	CM	1,1-Dichloroethene	0.638	0.645	-1.1#	105	0.00
13	T	Acrolein	0.101	0.117	-15.8	107	0.00
14	T	Allyl chloride	1.167	1.177	-0.9	102	0.00
15	T	Acrylonitrile	0.208	0.211	-1.4	97	0.00
16	T	Acetone	0.233	0.234	-0.4	96	0.00
17	T	Carbon Disulfide	1.889	1.890	-0.1	103	0.00
18	T	Methyl Acetate	0.479	0.500	-4.4	100	0.00
19	T	Methyl tert-butyl Ether	1.189	1.253	-5.4	102	0.00
20	T	Methylene Chloride	0.832	0.746	10.3	101	0.00
21	T	trans-1,2-Dichloroethene	0.697	0.703	-0.9	104	0.00
22	T	Diisopropyl ether	2.330	2.423	-4.0	101	0.00
23	T	Vinyl Acetate	1.544	1.614	-4.5	98	0.00
24	P	1,1-Dichloroethane	1.353	1.368	-1.1	104	0.00
25	T	2-Butanone	0.298	0.296	0.7	94	0.00
26	T	2,2-Dichloropropane	0.784	0.745	5.0	102	0.00
27	T	cis-1,2-Dichloroethene	0.811	0.800	1.4	100	0.00
28	T	Bromochloromethane	0.608	0.594	2.3	94	0.00
29	T	Tetrahydrofuran	0.178	0.183	-2.8	93	0.00
30	C	Chloroform	1.342	1.345	-0.2#	105	0.00
31	T	Cyclohexane	1.193	1.223	-2.5	108	0.00
32	T	1,1,1-Trichloroethane	0.974	0.986	-1.2	105	0.00
33	S	1,2-Dichloroethane-d4	0.744	0.659	11.4	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.329	0.298	9.4	88	0.00
36	T	1,1-Dichloropropene	0.502	0.527	-5.0	104	0.00
37	T	Ethyl Acetate	0.347	0.345	0.6	93	0.00
38	T	Carbon Tetrachloride	0.466	0.494	-6.0	108	0.00
39	T	Methylcyclohexane	0.613	0.687	-12.1	109	0.00
40	TM	Benzene	1.599	1.610	-0.7	102	0.00
41	T	Methacrylonitrile	0.188	0.201	-6.9	92	0.00
42	TM	1,2-Dichloroethane	0.490	0.497	-1.4	100	0.00
43	T	Isopropyl Acetate	0.597	0.606	-1.5	94	0.00
44	TM	Trichloroethene	0.357	0.367	-2.8	104	0.00
45	C	1,2-Dichloropropane	0.397	0.411	-3.5#	104	0.00
46	T	Dibromomethane	0.230	0.237	-3.0	100	0.00
47	T	Bromodichloromethane	0.538	0.560	-4.1	104	0.00
48	T	Methyl methacrylate	0.271	0.283	-4.4	88	0.00

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	0.003	0.003	0.0	97	0.00
50	S	Toluene-d8	1.238	1.131	8.6	89	0.00
51	T	4-Methyl-2-Pentanone	0.330	0.343	-3.9	94	0.00
52	CM	Toluene	0.964	0.994	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	0.517	0.546	-5.6	102	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.638	-5.3	103	0.00
55	T	1,1,2-Trichloroethane	0.308	0.313	-1.6	101	0.00
56	T	Ethyl methacrylate	0.425	0.456	-7.3	96	0.00
57	T	1,3-Dichloropropane	0.549	0.567	-3.3	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.223	0.235	-5.4	94	0.00
59	T	2-Hexanone	0.235	0.247	-5.1	93	0.00
60	T	Dibromochloromethane	0.345	0.354	-2.6	103	0.00
61	T	1,2-Dibromoethane	0.293	0.297	-1.4	99	0.00
62	S	4-Bromofluorobenzene	0.457	0.415	9.2	87	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.333	0.328	1.5	101	0.00
65	PM	Chlorobenzene	1.181	1.201	-1.7	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.365	0.370	-1.4	99	0.00
67	C	Ethyl Benzene	2.005	2.109	-5.2#	102	0.00
68	T	m/p-Xylenes	0.762	0.815	-7.0	103	0.00
69	T	o-Xylene	0.698	0.732	-4.9	98	0.00
70	T	Styrene	1.225	1.315	-7.3	102	0.00
71	P	Bromoform	0.201	0.209	-4.0	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.709	4.009	-8.1	99	0.00
74	T	N-amyl acetate	1.228	1.328	-8.1	94	0.00
75	P	1,1,2,2-Tetrachloroethane	0.873	0.912	-4.5	96	0.00
76	T	1,2,3-Trichloropropane	0.677	0.808	-19.4	115	0.00
77	T	Bromobenzene	0.877	0.944	-7.6	105	0.00
78	T	n-propylbenzene	4.732	5.231	-10.5	102	0.00
79	T	2-Chlorotoluene	2.821	3.039	-7.7	103	0.00
80	T	1,3,5-Trimethylbenzene	3.165	3.445	-8.8	101	0.00
81	T	trans-1,4-Dichloro-2-butene	0.288	0.310	-7.6	93	0.00
82	T	4-Chlorotoluene	3.017	3.220	-6.7	100	0.00
83	T	tert-Butylbenzene	2.610	2.895	-10.9	104	0.00
84	T	1,2,4-Trimethylbenzene	3.161	3.471	-9.8	102	0.00
85	T	sec-Butylbenzene	4.026	4.430	-10.0	103	0.00
86	T	p-Isopropyltoluene	3.316	3.502	-5.6	101	0.00
87	T	1,3-Dichlorobenzene	1.793	1.824	-1.7	98	0.00
88	T	1,4-Dichlorobenzene	1.779	1.868	-5.0	100	0.00
89	T	n-Butylbenzene	3.367	3.701	-9.9	105	0.00
90	T	Hexachloroethane	0.635	0.686	-8.0	106	0.00
91	T	1,2-Dichlorobenzene	1.572	1.632	-3.8	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.151	0.155	-2.6	94	0.00
93	T	1,2,4-Trichlorobenzene	0.958	0.988	-3.1	100	0.00
94	T	Hexachlorobutadiene	0.441	0.425	3.6	93	0.00
95	T	Naphthalene	2.166	2.413	-11.4	98	0.00

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	0.870	0.944	-8.5	102	0.00

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

Evaluate Continuing Calibration Report

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	50.000	49.581	0.8	111	0.00
3	P	Chloromethane	50.000	44.832	10.3	102	0.00
4	C	Vinyl Chloride	50.000	50.612	-1.2#	108	0.00
5	T	Bromomethane	50.000	48.922	2.2	105	0.00
6	T	Chloroethane	50.000	49.069	1.9	102	0.00
7	T	Trichlorofluoromethane	50.000	48.910	2.2	99	0.00
8	T	Diethyl Ether	50.000	48.100	3.8	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.113	-6.2	111	0.00
10	T	Methyl Iodide	50.000	47.889	4.2	102	-0.01
11	T	Tert butyl alcohol	250.000	198.935	20.4	83	0.00
12	CM	1,1-Dichloroethene	50.000	50.581	-1.2#	105	0.00
13	T	Acrolein	250.000	287.638	-15.1	107	0.00
14	T	Allyl chloride	50.000	50.431	-0.9	102	0.00
15	T	Acrylonitrile	250.000	253.696	-1.5	97	0.00
16	T	Acetone	250.000	251.786	-0.7	96	0.00
17	T	Carbon Disulfide	50.000	50.026	-0.1	103	0.00
18	T	Methyl Acetate	50.000	52.219	-4.4	100	0.00
19	T	Methyl tert-butyl Ether	50.000	52.698	-5.4	102	0.00
20	T	Methylene Chloride	50.000	44.836	10.3	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.475	-1.0	104	0.00
22	T	Diisopropyl ether	50.000	52.002	-4.0	101	0.00
23	T	Vinyl Acetate	250.000	261.402	-4.6	98	0.00
24	P	1,1-Dichloroethane	50.000	50.571	-1.1	104	0.00
25	T	2-Butanone	250.000	248.189	0.7	94	0.00
26	T	2,2-Dichloropropane	50.000	47.509	5.0	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.327	1.3	100	0.00
28	T	Bromochloromethane	50.000	48.872	2.3	94	0.00
29	T	Tetrahydrofuran	250.000	256.866	-2.7	93	0.00
30	C	Chloroform	50.000	50.093	-0.2#	105	0.00
31	T	Cyclohexane	50.000	51.265	-2.5	108	0.00
32	T	1,1,1-Trichloroethane	50.000	50.623	-1.2	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.277	11.4	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	45.266	9.5	88	0.00
36	T	1,1-Dichloropropene	50.000	52.546	-5.1	104	0.00
37	T	Ethyl Acetate	50.000	49.616	0.8	93	0.00
38	T	Carbon Tetrachloride	50.000	52.956	-5.9	108	0.00
39	T	Methylcyclohexane	50.000	56.078	-12.2	109	0.00
40	TM	Benzene	50.000	50.341	-0.7	102	0.00
41	T	Methacrylonitrile	50.000	53.575	-7.2	92	0.00
42	TM	1,2-Dichloroethane	50.000	50.712	-1.4	100	0.00
43	T	Isopropyl Acetate	50.000	50.776	-1.6	94	0.00
44	TM	Trichloroethene	50.000	51.280	-2.6	104	0.00
45	C	1,2-Dichloropropane	50.000	51.722	-3.4#	104	0.00
46	T	Dibromomethane	50.000	51.517	-3.0	100	0.00
47	T	Bromodichloromethane	50.000	52.039	-4.1	104	0.00
48	T	Methyl methacrylate	50.000	52.072	-4.1	88	0.00

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	1094.428	-9.4	97	0.00
50	S	Toluene-d8	50.000	45.683	8.6	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.708	-3.9	94	0.00
52	CM	Toluene	50.000	51.558	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	52.828	-5.7	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.606	-5.2	103	0.00
55	T	1,1,2-Trichloroethane	50.000	50.858	-1.7	101	0.00
56	T	Ethyl methacrylate	50.000	53.630	-7.3	96	0.00
57	T	1,3-Dichloropropane	50.000	51.666	-3.3	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	262.973	-5.2	94	0.00
59	T	2-Hexanone	250.000	262.809	-5.1	93	0.00
60	T	Dibromochloromethane	50.000	51.320	-2.6	103	0.00
61	T	1,2-Dibromoethane	50.000	50.713	-1.4	99	0.00
62	S	4-Bromofluorobenzene	50.000	45.309	9.4	87	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	49.201	1.6	101	0.00
65	PM	Chlorobenzene	50.000	50.817	-1.6	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.670	-1.3	99	0.00
67	C	Ethyl Benzene	50.000	52.581	-5.2#	102	0.00
68	T	m/p-Xylenes	100.000	106.872	-6.9	103	0.00
69	T	o-Xylene	50.000	52.439	-4.9	98	0.00
70	T	Styrene	50.000	53.683	-7.4	102	0.00
71	P	Bromoform	50.000	51.936	-3.9	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	54.038	-8.1	99	0.00
74	T	N-amyl acetate	50.000	54.082	-8.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.229	-4.5	96	0.00
76	T	1,2,3-Trichloropropane	50.000	59.716	-19.4	115	0.00
77	T	Bromobenzene	50.000	53.858	-7.7	105	0.00
78	T	n-propylbenzene	50.000	55.271	-10.5	102	0.00
79	T	2-Chlorotoluene	50.000	53.861	-7.7	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.423	-8.8	101	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.858	-7.7	93	0.00
82	T	4-Chlorotoluene	50.000	53.358	-6.7	100	0.00
83	T	tert-Butylbenzene	50.000	55.465	-10.9	104	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.903	-9.8	102	0.00
85	T	sec-Butylbenzene	50.000	55.014	-10.0	103	0.00
86	T	p-Isopropyltoluene	50.000	52.812	-5.6	101	0.00
87	T	1,3-Dichlorobenzene	50.000	50.886	-1.8	98	0.00
88	T	1,4-Dichlorobenzene	50.000	52.482	-5.0	100	0.00
89	T	n-Butylbenzene	50.000	54.959	-9.9	105	0.00
90	T	Hexachloroethane	50.000	54.017	-8.0	106	0.00
91	T	1,2-Dichlorobenzene	50.000	51.891	-3.8	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.413	-2.8	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.572	-3.1	100	0.00
94	T	Hexachlorobutadiene	50.000	48.192	3.6	93	0.00
95	T	Naphthalene	50.000	55.720	-11.4	98	0.00

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.269	-8.5	102	0.00

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

QC SAMPLE DATA

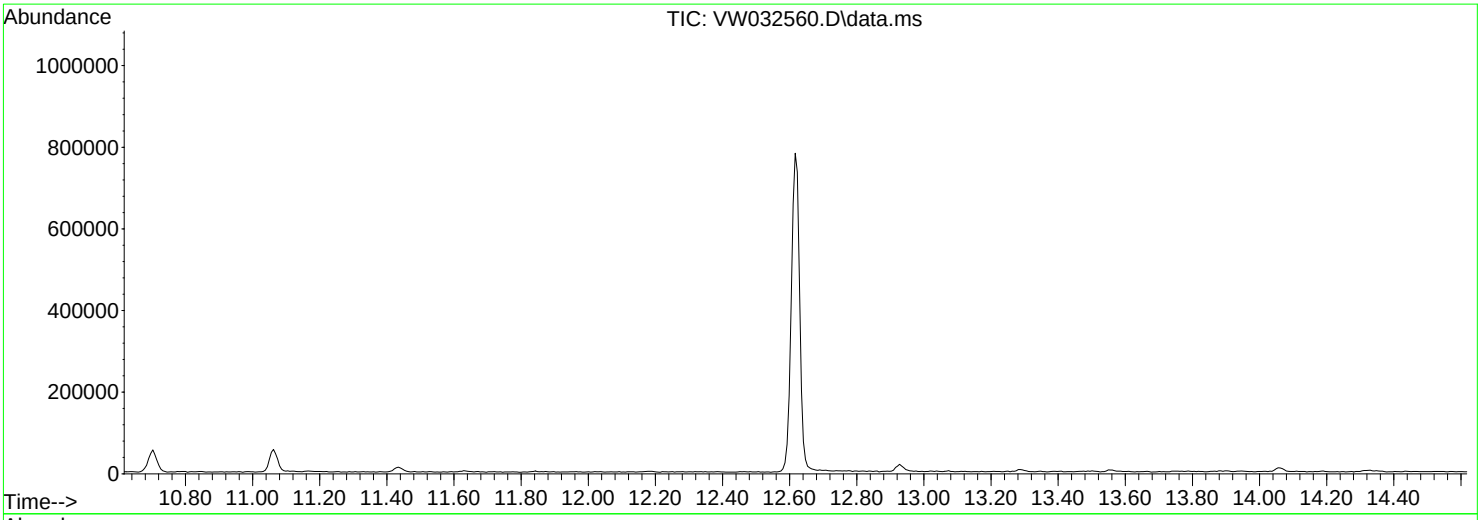
Sample Results: **VW032560.D**

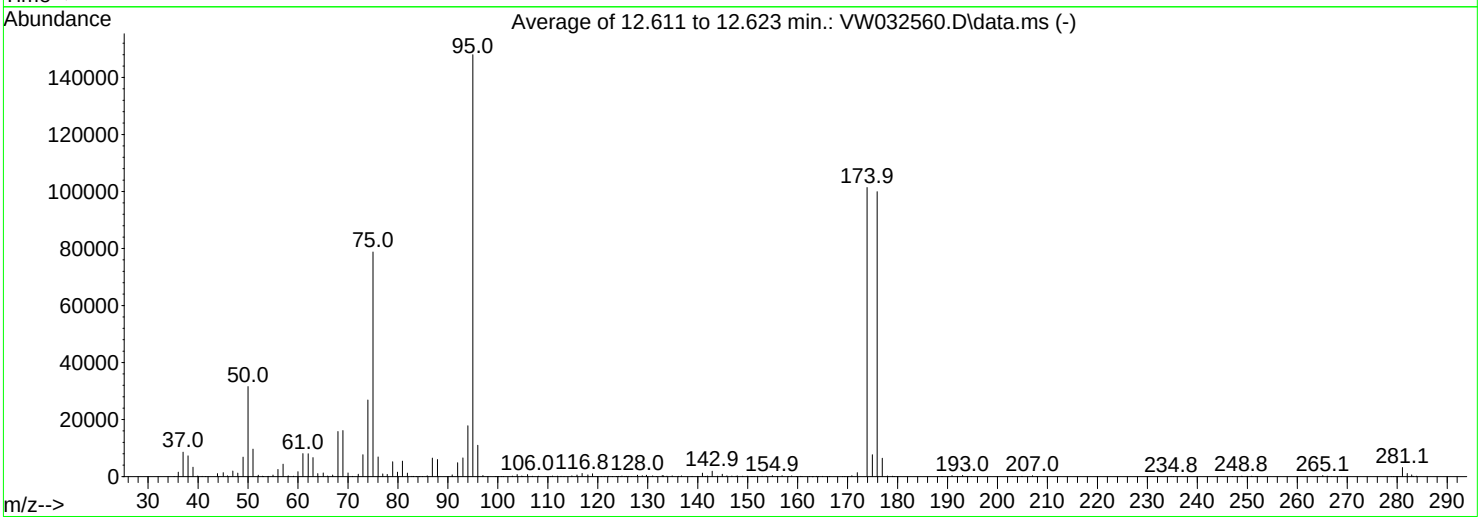
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032560.D
Acq On : 03 Dec 2025 09:27
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Title : SW846 8260
Last Update : Thu Dec 04 04:04:32 2025





AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1751

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.3	31571	PASS
75	95	30	60	53.2	78784	PASS
95	95	100	100	100.0	147968	PASS
96	95	5	9	7.4	10968	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.5	101419	PASS
175	174	5	9	7.5	7655	PASS
176	174	95	101	98.5	99933	PASS
177	176	5	9	6.4	6421	PASS

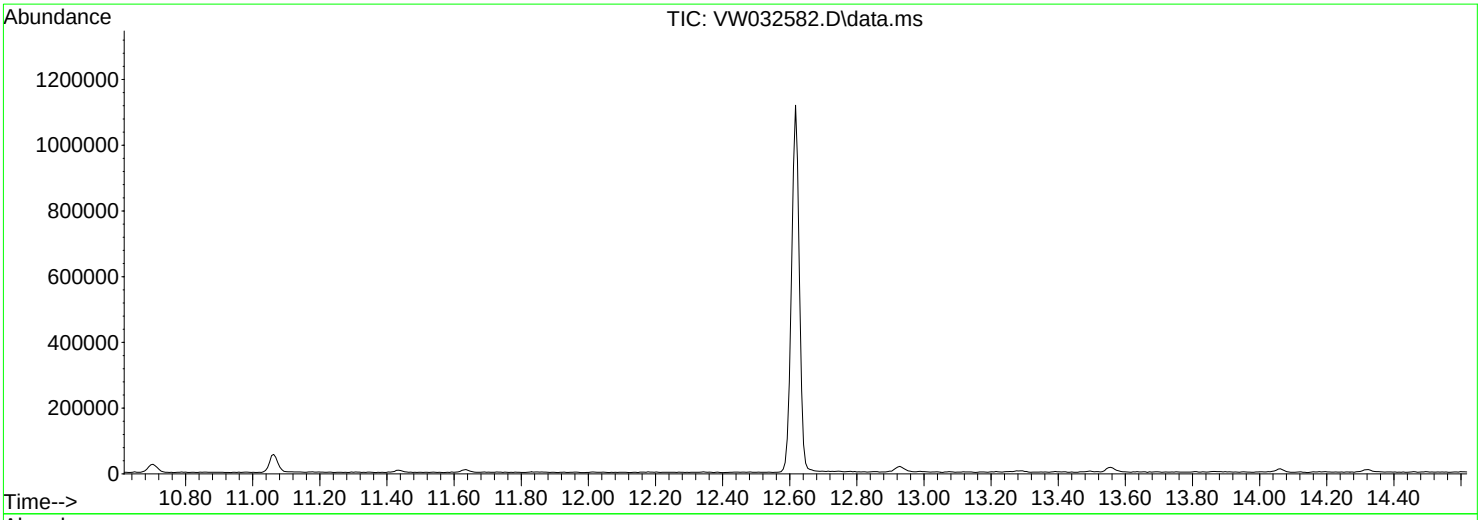
Sample Results: **VW032582.D**

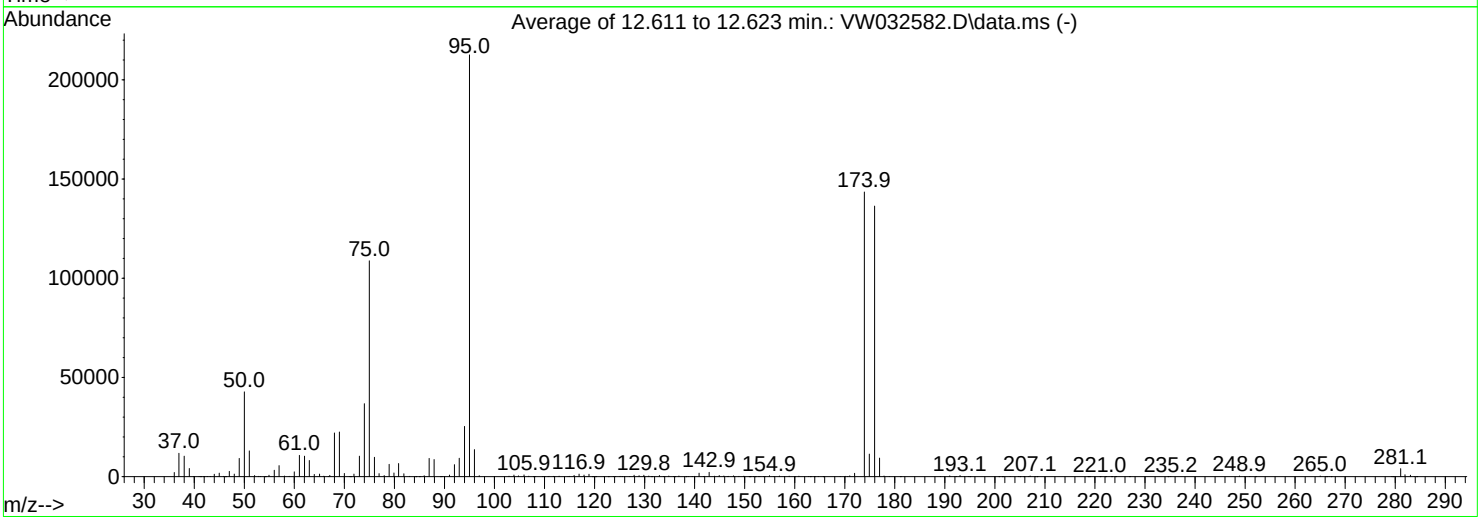
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032582.D
Acq On : 08 Dec 2025 08:11
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Title : SW846 8260
Last Update : Thu Dec 04 04:04:32 2025





AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1749

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	42776	PASS
75	95	30	60	51.2	108798	PASS
95	95	100	100	100.0	212565	PASS
96	95	5	9	6.4	13607	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.5	143421	PASS
175	174	5	9	7.9	11376	PASS
176	174	95	101	95.1	136360	PASS
177	176	5	9	6.9	9353	PASS

Raw Data: **VW032584.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 26 Stations - Pierrepont	Date Received:	
Client Sample ID:	VW1208SBL01	SDG No.:	Q3790
Lab Sample ID:	VW1208SBL01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0011	U	1	0.0011	0.0050	mg/Kg	12/08/25 10:18	VW120825
74-87-3	Chloromethane	0.0011	U	1	0.0011	0.0050	mg/Kg	12/08/25 10:18	VW120825
75-01-4	Vinyl Chloride	0.00079	U	1	0.00079	0.0050	mg/Kg	12/08/25 10:18	VW120825
74-83-9	Bromomethane	0.0011	U	1	0.0011	0.0050	mg/Kg	12/08/25 10:18	VW120825
75-00-3	Chloroethane	0.0013	U	1	0.0013	0.0050	mg/Kg	12/08/25 10:18	VW120825
75-69-4	Trichlorofluoromethane	0.0012	U	1	0.0012	0.0050	mg/Kg	12/08/25 10:18	VW120825
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0011	U	1	0.0011	0.0050	mg/Kg	12/08/25 10:18	VW120825
75-35-4	1,1-Dichloroethene	0.0010	U	1	0.0010	0.0050	mg/Kg	12/08/25 10:18	VW120825
67-64-1	Acetone	0.0047	U	1	0.0047	0.025	mg/Kg	12/08/25 10:18	VW120825
75-15-0	Carbon Disulfide	0.0011	U	1	0.0011	0.0050	mg/Kg	12/08/25 10:18	VW120825
1634-04-4	Methyl tert-butyl Ether	0.00073	U	1	0.00073	0.0050	mg/Kg	12/08/25 10:18	VW120825
79-20-9	Methyl Acetate	0.0015	U	1	0.0015	0.0050	mg/Kg	12/08/25 10:18	VW120825
75-09-2	Methylene Chloride	0.0035	U	1	0.0035	0.010	mg/Kg	12/08/25 10:18	VW120825
156-60-5	trans-1,2-Dichloroethene	0.00086	U	1	0.00086	0.0050	mg/Kg	12/08/25 10:18	VW120825
75-34-3	1,1-Dichloroethane	0.00080	U	1	0.00080	0.0050	mg/Kg	12/08/25 10:18	VW120825
110-82-7	Cyclohexane	0.00079	U	1	0.00079	0.0050	mg/Kg	12/08/25 10:18	VW120825
78-93-3	2-Butanone	0.0065	U	1	0.0065	0.025	mg/Kg	12/08/25 10:18	VW120825
56-23-5	Carbon Tetrachloride	0.00097	U	1	0.00097	0.0050	mg/Kg	12/08/25 10:18	VW120825
156-59-2	cis-1,2-Dichloroethene	0.00075	U	1	0.00075	0.0050	mg/Kg	12/08/25 10:18	VW120825
74-97-5	Bromochloromethane	0.0012	U	1	0.0012	0.0050	mg/Kg	12/08/25 10:18	VW120825
67-66-3	Chloroform	0.00084	U	1	0.00084	0.0050	mg/Kg	12/08/25 10:18	VW120825
71-55-6	1,1,1-Trichloroethane	0.00093	U	1	0.00093	0.0050	mg/Kg	12/08/25 10:18	VW120825
108-87-2	Methylcyclohexane	0.00091	U	1	0.00091	0.0050	mg/Kg	12/08/25 10:18	VW120825
71-43-2	Benzene	0.00079	U	1	0.00079	0.0050	mg/Kg	12/08/25 10:18	VW120825
107-06-2	1,2-Dichloroethane	0.00079	U	1	0.00079	0.0050	mg/Kg	12/08/25 10:18	VW120825
79-01-6	Trichloroethene	0.00081	U	1	0.00081	0.0050	mg/Kg	12/08/25 10:18	VW120825
78-87-5	1,2-Dichloropropane	0.00091	U	1	0.00091	0.0050	mg/Kg	12/08/25 10:18	VW120825
75-27-4	Bromodichloromethane	0.00078	U	1	0.00078	0.0050	mg/Kg	12/08/25 10:18	VW120825
108-10-1	4-Methyl-2-Pentanone	0.0036	U	1	0.0036	0.025	mg/Kg	12/08/25 10:18	VW120825
108-88-3	Toluene	0.00078	U	1	0.00078	0.0050	mg/Kg	12/08/25 10:18	VW120825
10061-02-6	t-1,3-Dichloropropene	0.00065	U	1	0.00065	0.0050	mg/Kg	12/08/25 10:18	VW120825
10061-01-5	cis-1,3-Dichloropropene	0.00062	U	1	0.00062	0.0050	mg/Kg	12/08/25 10:18	VW120825
79-00-5	1,1,2-Trichloroethane	0.00092	U	1	0.00092	0.0050	mg/Kg	12/08/25 10:18	VW120825
591-78-6	2-Hexanone	0.0037	U	1	0.0037	0.025	mg/Kg	12/08/25 10:18	VW120825
124-48-1	Dibromochloromethane	0.00087	U	1	0.00087	0.0050	mg/Kg	12/08/25 10:18	VW120825
106-93-4	1,2-Dibromoethane	0.00088	U	1	0.00088	0.0050	mg/Kg	12/08/25 10:18	VW120825
127-18-4	Tetrachloroethene	0.0011	U	1	0.0011	0.0050	mg/Kg	12/08/25 10:18	VW120825
108-90-7	Chlorobenzene	0.00091	U	1	0.00091	0.0050	mg/Kg	12/08/25 10:18	VW120825
100-41-4	Ethyl Benzene	0.00067	U	1	0.00067	0.0050	mg/Kg	12/08/25 10:18	VW120825
179601-23-1	m/p-Xylenes	0.0012	U	1	0.0012	0.010	mg/Kg	12/08/25 10:18	VW120825
95-47-6	o-Xylene	0.00082	U	1	0.00082	0.0050	mg/Kg	12/08/25 10:18	VW120825
100-42-5	Styrene	0.00071	U	1	0.00071	0.0050	mg/Kg	12/08/25 10:18	VW120825
75-25-2	Bromoform	0.00086	U	1	0.00086	0.0050	mg/Kg	12/08/25 10:18	VW120825

Raw Data: **VW032584.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 26 Stations - Pierrepont	Date Received:	
Client Sample ID:	VW1208SBL01	SDG No.:	Q3790
Lab Sample ID:	VW1208SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.00078	U	1	0.00078	0.0050	mg/Kg	12/08/25 10:18	VW120825
79-34-5	1,1,2,2-Tetrachloroethane	0.0012	U	1	0.0012	0.0050	mg/Kg	12/08/25 10:18	VW120825
541-73-1	1,3-Dichlorobenzene	0.0017	U	1	0.0017	0.0050	mg/Kg	12/08/25 10:18	VW120825
106-46-7	1,4-Dichlorobenzene	0.0016	U	1	0.0016	0.0050	mg/Kg	12/08/25 10:18	VW120825
95-50-1	1,2-Dichlorobenzene	0.0015	U	1	0.0015	0.0050	mg/Kg	12/08/25 10:18	VW120825
96-12-8	1,2-Dibromo-3-Chloropropane	0.0018	U	1	0.0018	0.0050	mg/Kg	12/08/25 10:18	VW120825
120-82-1	1,2,4-Trichlorobenzene	0.0030	U	1	0.0030	0.0050	mg/Kg	12/08/25 10:18	VW120825
87-61-6	1,2,3-Trichlorobenzene	0.0032	U	1	0.0032	0.0050	mg/Kg	12/08/25 10:18	VW120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.2			63 - 155	108%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.7			70 - 134	101%	SPK: 50		
2037-26-5	Toluene-d8	49.3			74 - 123	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.1			52 - 138	90%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	315000							
540-36-3	1,4-Difluorobenzene	616000							
3114-55-4	Chlorobenzene-d5	549000							
3855-82-1	1,4-Dichlorobenzene-d4	222000							

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

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

Sample Results: **VW032584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Quant Time: Dec 09 02:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	314569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	616405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	548609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	222458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	253865	54.229	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 108.460%			
35) Dibromofluoromethane	7.898	113	205810	50.738	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.480%			
50) Toluene-d8	10.325	98	752692	49.313	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.620%			
62) 4-Bromofluorobenzene	12.617	95	254323	45.099	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 90.200%			

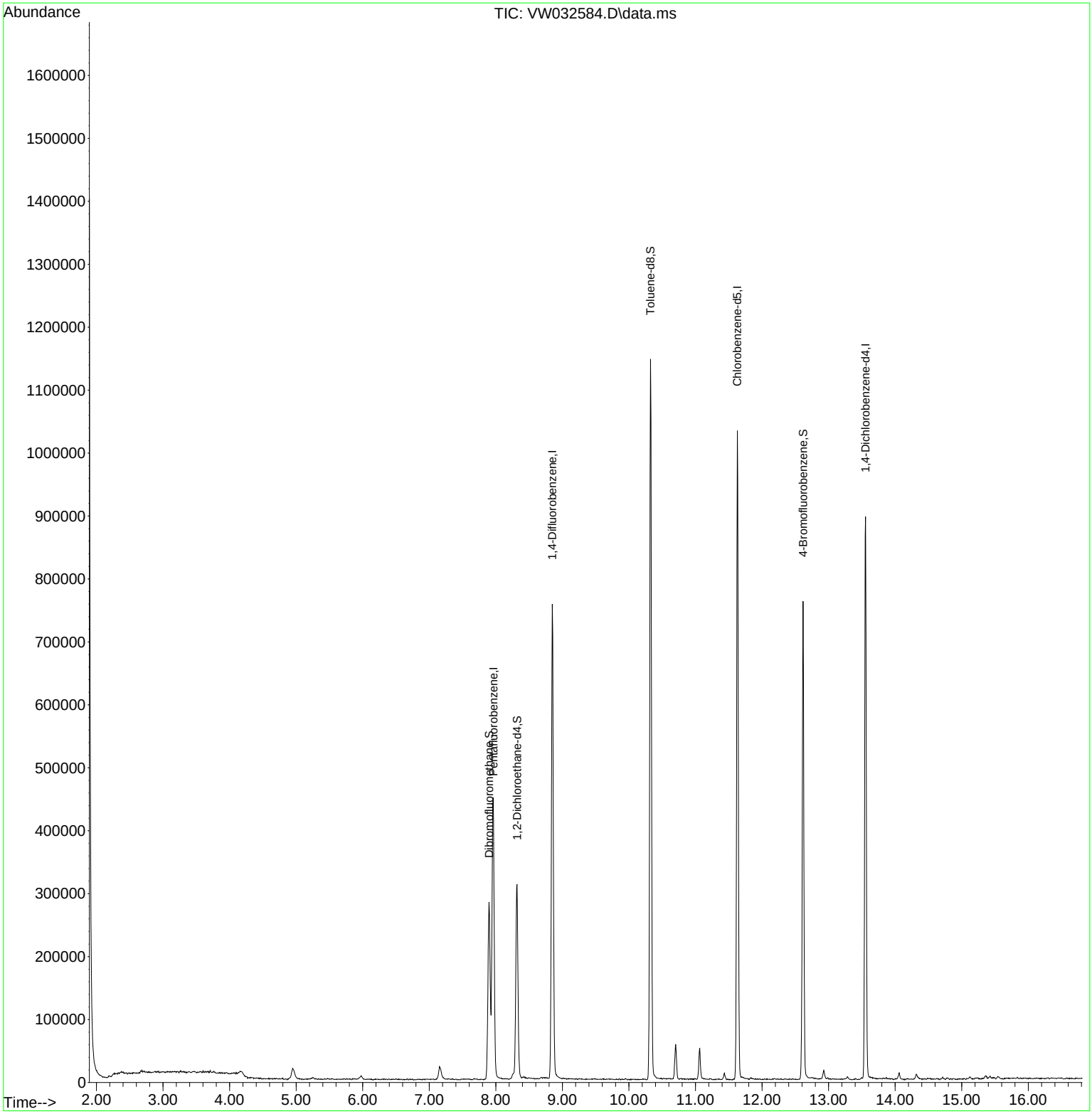
Target Compounds Qvalue

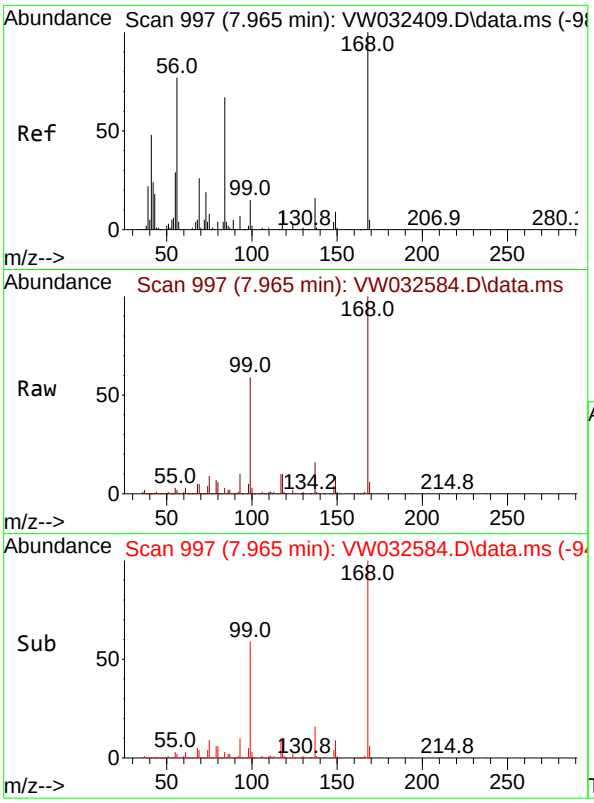
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Quant Time: Dec 09 02:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration



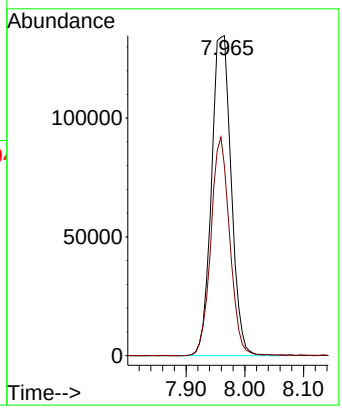


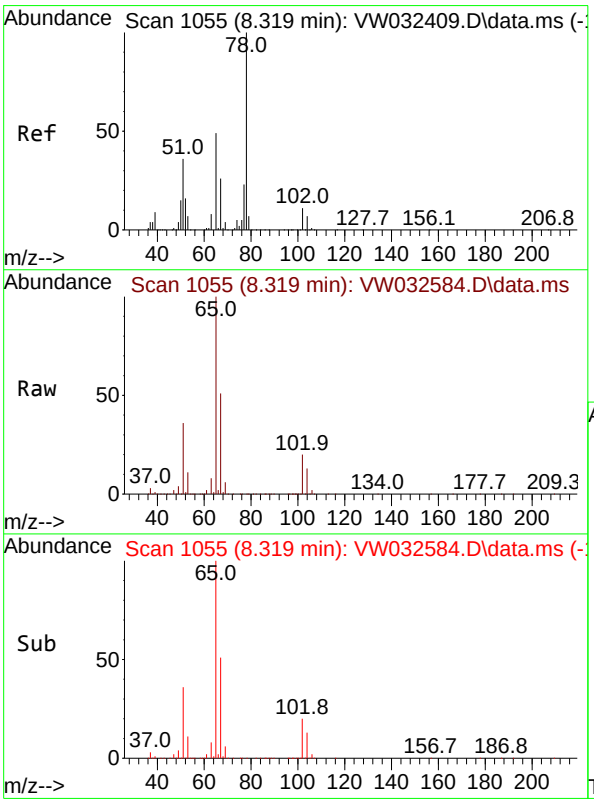
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Tgt Ion:168 Resp: 314569

Ion	Ratio	Lower	Upper
168	100		
99	59.2	51.8	77.8

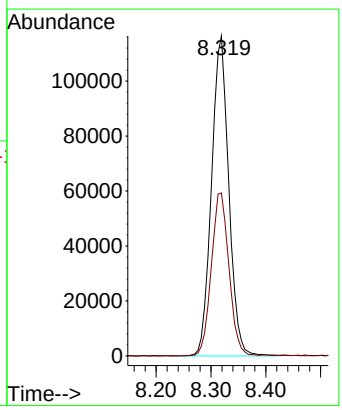


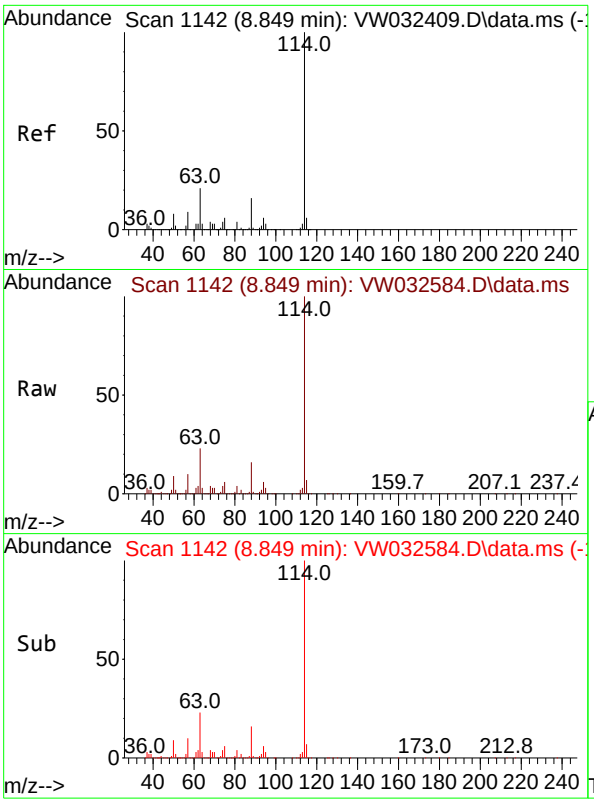


#33
1,2-Dichloroethane-d4
Concen: 54.229 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion: 65 Resp: 253865

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	108.0



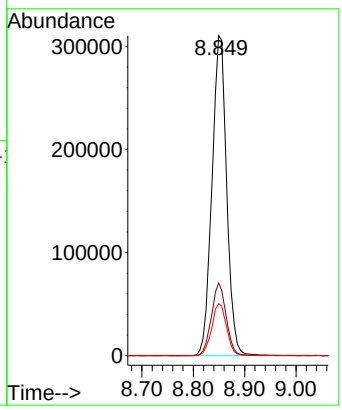


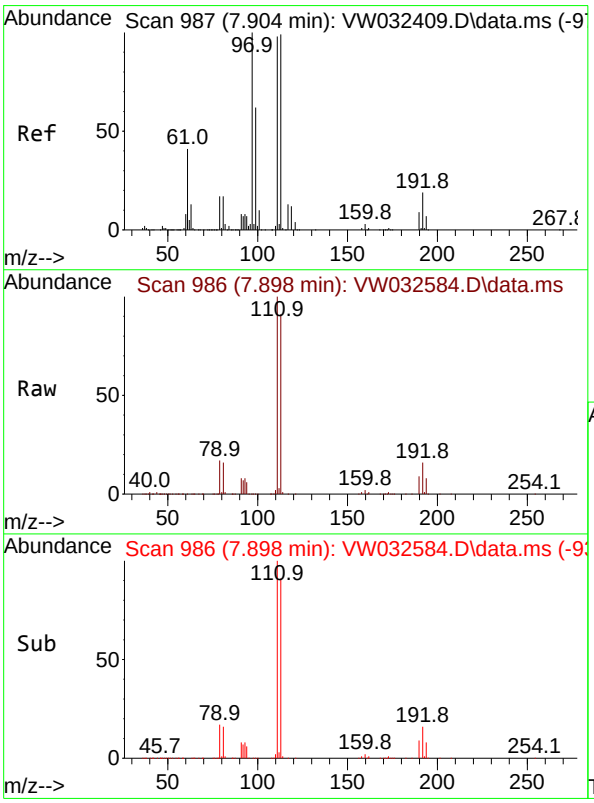
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Tgt Ion:114 Resp: 616405

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	40.6
88	16.2	0.0	31.2

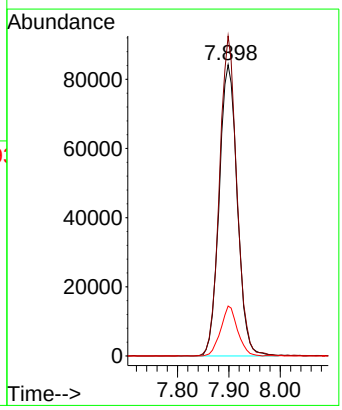


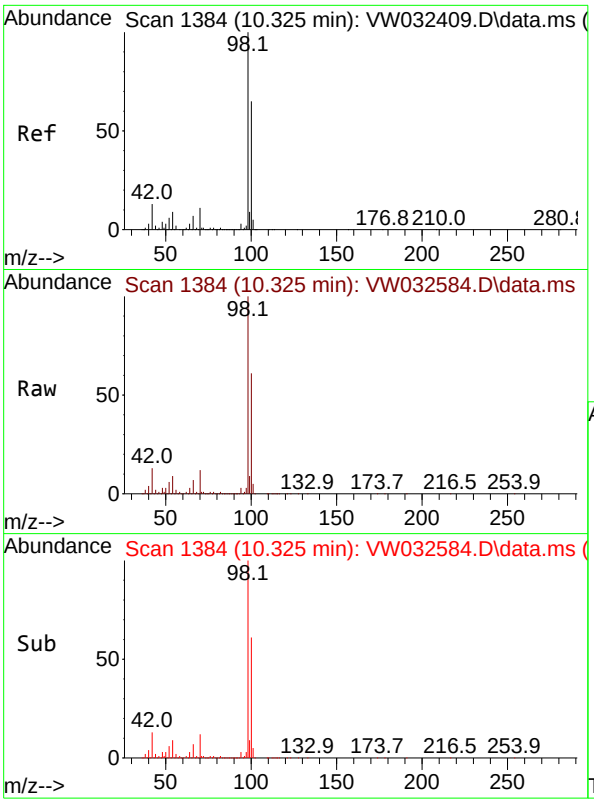


#35
Dibromofluoromethane
Concen: 50.738 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion:113 Resp: 205810

Ion	Ratio	Lower	Upper
113	100		
111	105.4	83.4	125.0
192	16.0	13.4	20.2



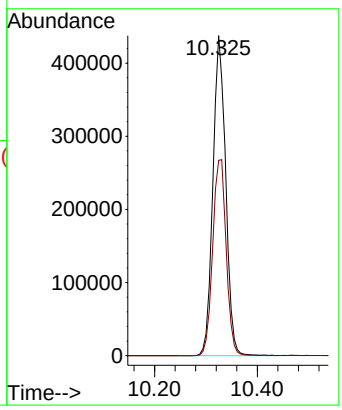


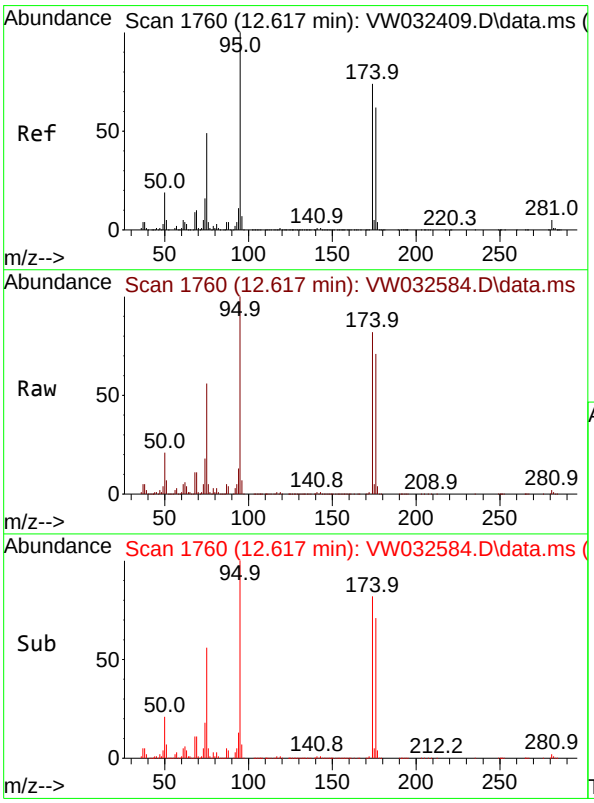
#50
Toluene-d8
Concen: 49.313 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Tgt Ion: 98 Resp: 752692

Ion	Ratio	Lower	Upper
98	100		
100	65.1	54.7	82.1

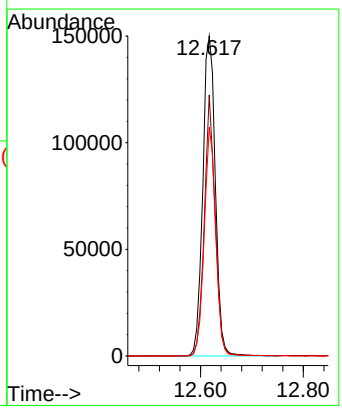


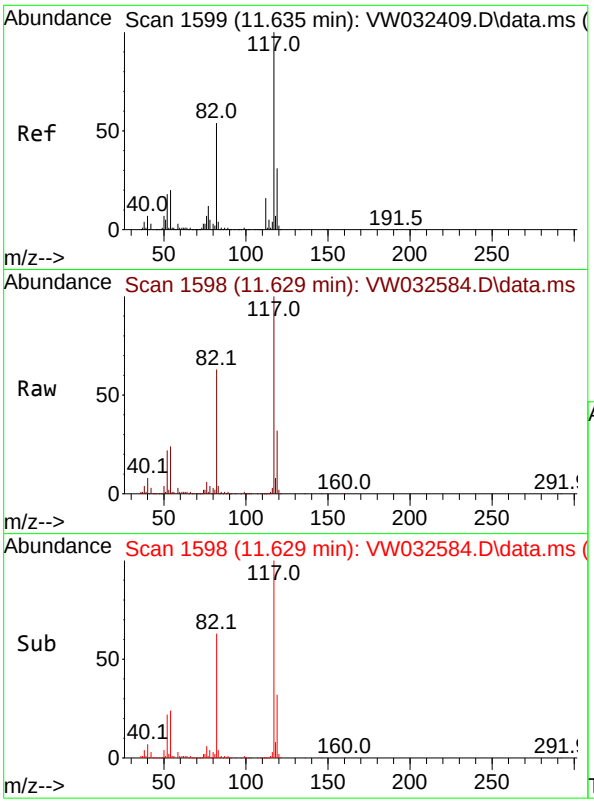


#62
4-Bromofluorobenzene
Concen: 45.099 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion: 95 Resp: 254323

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	141.2
176	65.2	0.0	130.8



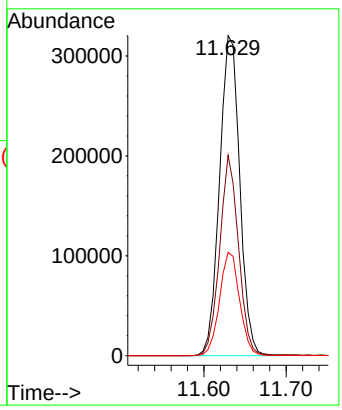


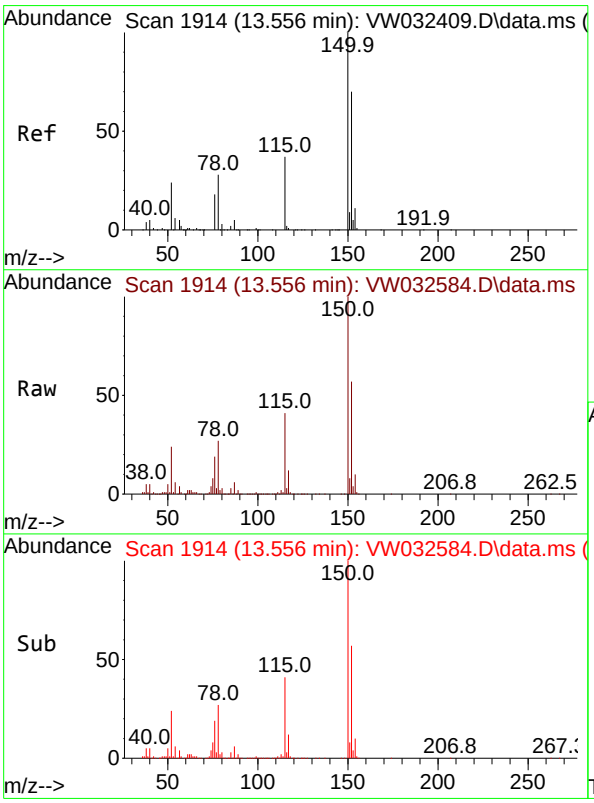
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Tgt Ion:117 Resp: 548609

Ion	Ratio	Lower	Upper
117	100		
82	62.6	45.9	68.9
119	32.3	26.3	39.5

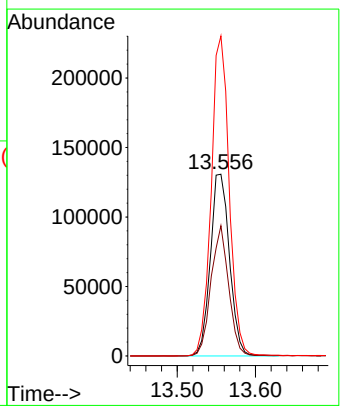




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion:152 Resp: 222458

Ion	Ratio	Lower	Upper
152	100		
115	66.0	31.1	93.3
150	165.2	0.0	351.2



Sample Results: **VW032584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

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_W\Method\82W120325S.M
Title : SW846 8260

Signal : TIC: VW032584.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.948	491	502	514	rBV3	17319	60725	2.98%	0.565%
2	7.154	857	864	873	rBV2	19994	55904	2.75%	0.520%
3	7.898	977	986	991	rBV	281079	681492	33.49%	6.341%
4	7.959	991	996	1014	rVB2	446317	1008903	49.58%	9.387%
5	8.319	1037	1055	1067	rBV	309429	717205	35.25%	6.673%
6	8.849	1133	1142	1166	rVB	754402	1515807	74.50%	14.104%
7	10.325	1376	1384	1399	rBV	1143966	2034732	100.00%	18.932%
8	10.703	1439	1446	1455	rVB	55766	103323	5.08%	0.961%
9	11.062	1496	1505	1511	rBV2	49966	84593	4.16%	0.787%
10	11.629	1590	1598	1607	rBV	1030751	1732440	85.14%	16.119%
11	12.617	1751	1760	1773	rBV	759508	1252615	61.56%	11.655%
12	12.928	1805	1811	1818	rVB3	13203	23037	1.13%	0.214%
13	13.556	1906	1914	1922	rBV	892323	1476830	72.58%	13.741%

Sum of corrected areas: 10747606

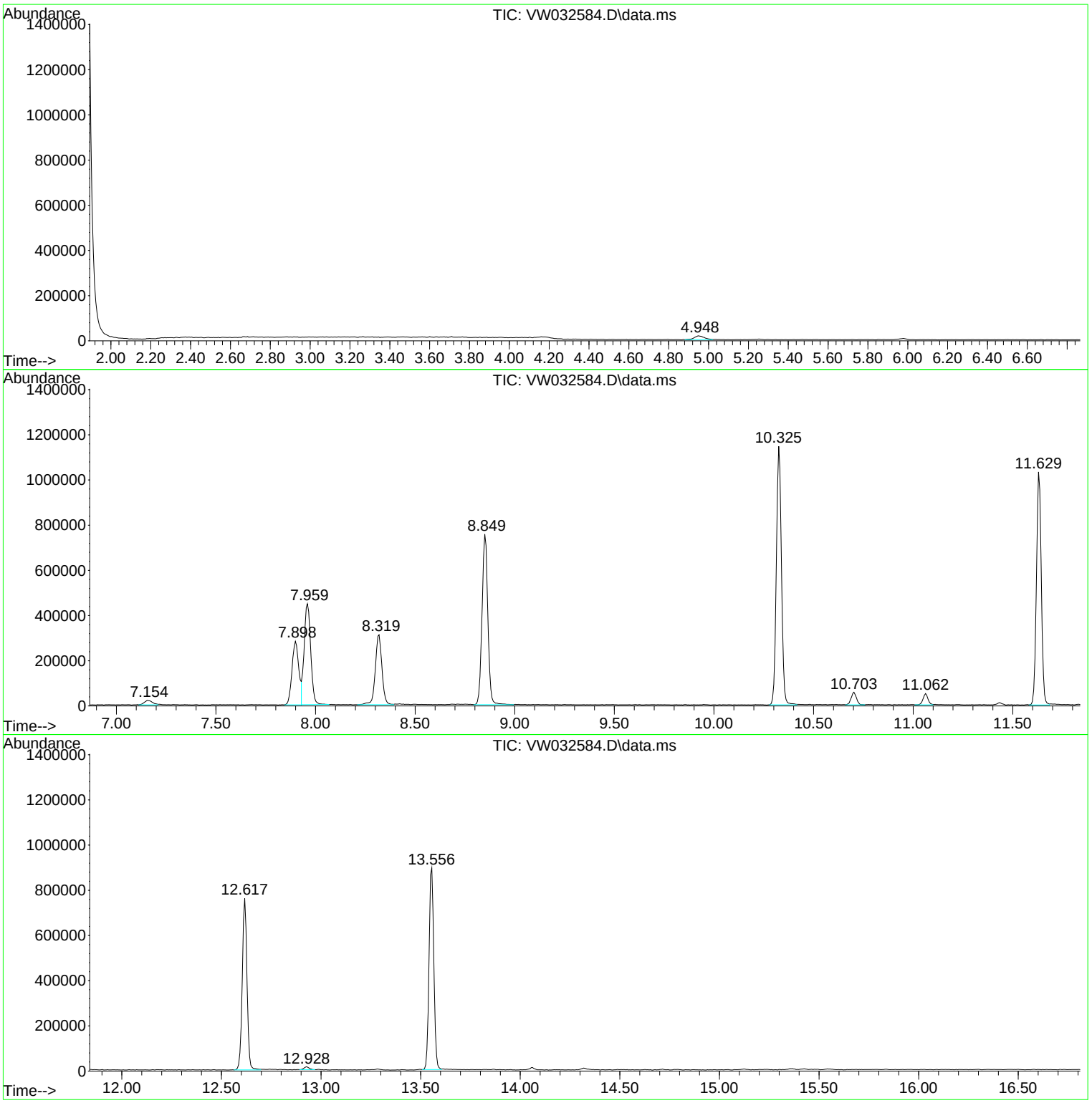
Sample Results: **VW032584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VW032584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.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_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.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: **VW032585.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 26 Stations - Pierrepont	Date Received:	
Client Sample ID:	VW1208SBS01	SDG No.:	Q3790
Lab Sample ID:	VW1208SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.023		1	0.0011	0.0050	mg/Kg	12/08/25 11:01	VW120825
74-87-3	Chloromethane	0.019		1	0.0011	0.0050	mg/Kg	12/08/25 11:01	VW120825
75-01-4	Vinyl Chloride	0.020		1	0.00079	0.0050	mg/Kg	12/08/25 11:01	VW120825
74-83-9	Bromomethane	0.020		1	0.0011	0.0050	mg/Kg	12/08/25 11:01	VW120825
75-00-3	Chloroethane	0.020		1	0.0013	0.0050	mg/Kg	12/08/25 11:01	VW120825
75-69-4	Trichlorofluoromethane	0.021		1	0.0012	0.0050	mg/Kg	12/08/25 11:01	VW120825
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		1	0.0011	0.0050	mg/Kg	12/08/25 11:01	VW120825
75-35-4	1,1-Dichloroethene	0.020		1	0.0010	0.0050	mg/Kg	12/08/25 11:01	VW120825
67-64-1	Acetone	0.11		1	0.0047	0.025	mg/Kg	12/08/25 11:01	VW120825
75-15-0	Carbon Disulfide	0.020		1	0.0011	0.0050	mg/Kg	12/08/25 11:01	VW120825
1634-04-4	Methyl tert-butyl Ether	0.021		1	0.00073	0.0050	mg/Kg	12/08/25 11:01	VW120825
79-20-9	Methyl Acetate	0.021		1	0.0015	0.0050	mg/Kg	12/08/25 11:01	VW120825
75-09-2	Methylene Chloride	0.019		1	0.0035	0.010	mg/Kg	12/08/25 11:01	VW120825
156-60-5	trans-1,2-Dichloroethene	0.020		1	0.00086	0.0050	mg/Kg	12/08/25 11:01	VW120825
75-34-3	1,1-Dichloroethane	0.020		1	0.00080	0.0050	mg/Kg	12/08/25 11:01	VW120825
110-82-7	Cyclohexane	0.020		1	0.00079	0.0050	mg/Kg	12/08/25 11:01	VW120825
78-93-3	2-Butanone	0.10		1	0.0065	0.025	mg/Kg	12/08/25 11:01	VW120825
56-23-5	Carbon Tetrachloride	0.020		1	0.00097	0.0050	mg/Kg	12/08/25 11:01	VW120825
156-59-2	cis-1,2-Dichloroethene	0.019		1	0.00075	0.0050	mg/Kg	12/08/25 11:01	VW120825
74-97-5	Bromochloromethane	0.021		1	0.0012	0.0050	mg/Kg	12/08/25 11:01	VW120825
67-66-3	Chloroform	0.020		1	0.00084	0.0050	mg/Kg	12/08/25 11:01	VW120825
71-55-6	1,1,1-Trichloroethane	0.020		1	0.00093	0.0050	mg/Kg	12/08/25 11:01	VW120825
108-87-2	Methylcyclohexane	0.019		1	0.00091	0.0050	mg/Kg	12/08/25 11:01	VW120825
71-43-2	Benzene	0.019		1	0.00079	0.0050	mg/Kg	12/08/25 11:01	VW120825
107-06-2	1,2-Dichloroethane	0.020		1	0.00079	0.0050	mg/Kg	12/08/25 11:01	VW120825
79-01-6	Trichloroethene	0.019		1	0.00081	0.0050	mg/Kg	12/08/25 11:01	VW120825
78-87-5	1,2-Dichloropropane	0.020		1	0.00091	0.0050	mg/Kg	12/08/25 11:01	VW120825
75-27-4	Bromodichloromethane	0.020		1	0.00078	0.0050	mg/Kg	12/08/25 11:01	VW120825
108-10-1	4-Methyl-2-Pentanone	0.11		1	0.0036	0.025	mg/Kg	12/08/25 11:01	VW120825
108-88-3	Toluene	0.020		1	0.00078	0.0050	mg/Kg	12/08/25 11:01	VW120825
10061-02-6	t-1,3-Dichloropropene	0.019		1	0.00065	0.0050	mg/Kg	12/08/25 11:01	VW120825
10061-01-5	cis-1,3-Dichloropropene	0.019		1	0.00062	0.0050	mg/Kg	12/08/25 11:01	VW120825
79-00-5	1,1,2-Trichloroethane	0.021		1	0.00092	0.0050	mg/Kg	12/08/25 11:01	VW120825
591-78-6	2-Hexanone	0.11		1	0.0037	0.025	mg/Kg	12/08/25 11:01	VW120825
124-48-1	Dibromochloromethane	0.019		1	0.00087	0.0050	mg/Kg	12/08/25 11:01	VW120825
106-93-4	1,2-Dibromoethane	0.021		1	0.00088	0.0050	mg/Kg	12/08/25 11:01	VW120825
127-18-4	Tetrachloroethene	0.018		1	0.0011	0.0050	mg/Kg	12/08/25 11:01	VW120825
108-90-7	Chlorobenzene	0.018		1	0.00091	0.0050	mg/Kg	12/08/25 11:01	VW120825
100-41-4	Ethyl Benzene	0.018		1	0.00067	0.0050	mg/Kg	12/08/25 11:01	VW120825
179601-23-1	m/p-Xylenes	0.037		1	0.0012	0.010	mg/Kg	12/08/25 11:01	VW120825
95-47-6	o-Xylene	0.018		1	0.00082	0.0050	mg/Kg	12/08/25 11:01	VW120825
100-42-5	Styrene	0.019		1	0.00071	0.0050	mg/Kg	12/08/25 11:01	VW120825
75-25-2	Bromoform	0.019		1	0.00086	0.0050	mg/Kg	12/08/25 11:01	VW120825

Raw Data: **VW032585.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 26 Stations - Pierrepont			Date Received:	
Client Sample ID:	VW1208SBS01			SDG No.:	Q3790
Lab Sample ID:	VW1208SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.019		1	0.00078	0.0050	mg/Kg	12/08/25 11:01	VW120825
79-34-5	1,1,2,2-Tetrachloroethane	0.021		1	0.0012	0.0050	mg/Kg	12/08/25 11:01	VW120825
541-73-1	1,3-Dichlorobenzene	0.019		1	0.0017	0.0050	mg/Kg	12/08/25 11:01	VW120825
106-46-7	1,4-Dichlorobenzene	0.019		1	0.0016	0.0050	mg/Kg	12/08/25 11:01	VW120825
95-50-1	1,2-Dichlorobenzene	0.020		1	0.0015	0.0050	mg/Kg	12/08/25 11:01	VW120825
96-12-8	1,2-Dibromo-3-Chloropropane	0.020		1	0.0018	0.0050	mg/Kg	12/08/25 11:01	VW120825
120-82-1	1,2,4-Trichlorobenzene	0.017		1	0.0030	0.0050	mg/Kg	12/08/25 11:01	VW120825
87-61-6	1,2,3-Trichlorobenzene	0.018		1	0.0032	0.0050	mg/Kg	12/08/25 11:01	VW120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.1			63 - 155	100%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.6			70 - 134	97%	SPK: 50		
2037-26-5	Toluene-d8	47.7			74 - 123	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.3			52 - 138	95%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	346000							
540-36-3	1,4-Difluorobenzene	656000							
3114-55-4	Chlorobenzene-d5	620000							
3855-82-1	1,4-Dichlorobenzene-d4	286000							

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

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

Sample Results: **VW032585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032585.D
Acq On : 08 Dec 2025 11:01
Operator : SY/MD
Sample : VW1208SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	346269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	656064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	619620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	286140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	258211	50.108	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.220%			
35) Dibromofluoromethane	7.904	113	209630	48.555	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.120%			
50) Toluene-d8	10.325	98	774669	47.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.360%			
62) 4-Bromofluorobenzene	12.617	95	283661	47.260	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 94.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	48285	22.528	ug/l	94
3) Chloromethane	2.253	50	74097	18.806	ug/l	97
4) Vinyl Chloride	2.405	62	95742	20.028	ug/l	99
5) Bromomethane	2.826	94	62333	19.635	ug/l	100
6) Chloroethane	2.966	64	60243	19.511	ug/l	100
7) Trichlorofluoromethane	3.308	101	76960	20.771	ug/l	98
8) Diethyl Ether	3.728	74	54604	19.935	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	80738	20.611	ug/l	98
10) Methyl Iodide	4.307	142	119662	20.254	ug/l	99
11) Tert butyl alcohol	5.216	59	35319	89.108	ug/l #	84
12) 1,1-Dichloroethene	4.082	96	86782	19.649	ug/l	98
13) Acrolein	3.948	56	2284m	3.251	ug/l	
14) Allyl chloride	4.710	41	159807	19.766	ug/l	97
15) Acrylonitrile	5.405	53	151799	105.530	ug/l	99
16) Acetone	4.161	43	180193	111.903	ug/l	100
17) Carbon Disulfide	4.423	76	259785	19.854	ug/l	96
18) Methyl Acetate	4.710	43	69183	20.860	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	171068	20.780	ug/l	97
20) Methylene Chloride	4.948	84	111139	19.300	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	94315	19.544	ug/l	97
22) Diisopropyl ether	6.344	45	336974	20.884	ug/l	97
23) Vinyl Acetate	6.283	43	1107584	103.593	ug/l	99
24) 1,1-Dichloroethane	6.246	63	188177	20.087	ug/l	99
25) 2-Butanone	7.197	43	212400	102.780	ug/l	99
26) 2,2-Dichloropropane	7.185	77	102082	18.797	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	107323	19.103	ug/l	98
28) Bromochloromethane	7.532	49	86720	20.607	ug/l	100
29) Tetrahydrofuran	7.557	42	132830	107.650	ug/l	99
30) Chloroform	7.697	83	184701	19.866	ug/l	98
31) Cyclohexane	7.971	56	165642	20.052	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	134907	19.993	ug/l	99
36) 1,1-Dichloropropene	8.099	75	129813	19.713	ug/l	98
37) Ethyl Acetate	7.276	43	92493	20.296	ug/l	99
38) Carbon Tetrachloride	8.081	117	120006	19.615	ug/l	87
39) Methylcyclohexane	9.343	83	155001	19.276	ug/l	95
40) Benzene	8.337	78	400420	19.081	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032585.D
Acq On : 08 Dec 2025 11:01
Operator : SY/MD
Sample : VW1208SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	46028	18.666	ug/l	#	84
42) 1,2-Dichloroethane	8.410	62	128926	20.038	ug/l		99
43) Isopropyl Acetate	8.435	43	159048	20.304	ug/l		100
44) Trichloroethene	9.099	130	90838	19.367	ug/l		100
45) 1,2-Dichloropropane	9.374	63	103503	19.857	ug/l		95
46) Dibromomethane	9.465	93	59561	19.760	ug/l		94
47) Bromodichloromethane	9.648	83	138948	19.668	ug/l		95
48) Methyl methacrylate	9.441	41	72787	20.441	ug/l		93
49) 1,4-Dioxane	9.459	88	15232	422.913	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.215	43	457564	105.566	ug/l		99
52) Toluene	10.392	92	249336	19.719	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	129972	19.177	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	153580	19.309	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	83252	20.621	ug/l		94
56) Ethyl methacrylate	10.648	69	111821	20.029	ug/l		99
57) 1,3-Dichloropropane	10.934	76	145840	20.241	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	307560	105.135	ug/l		99
59) 2-Hexanone	10.971	43	328100	106.290	ug/l		99
60) Dibromochloromethane	11.136	129	87931	19.433	ug/l		97
61) 1,2-Dibromoethane	11.239	107	78977	20.570	ug/l		95
64) Tetrachloroethene	10.867	164	74847	18.111	ug/l		94
65) Chlorobenzene	11.654	112	262042	17.898	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	83272	18.389	ug/l		97
67) Ethyl Benzene	11.727	91	452946	18.227	ug/l		99
68) m/p-Xylenes	11.837	106	353110	37.374	ug/l		97
69) o-Xylene	12.166	106	156081	18.039	ug/l		92
70) Styrene	12.178	104	292594	19.278	ug/l		99
71) Bromoform	12.349	173	47455	19.057	ug/l	#	98
73) Isopropylbenzene	12.458	105	397396	18.722	ug/l		100
74) N-amyl acetate	12.269	43	140792	20.038	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	102420	20.497	ug/l		100
76) 1,2,3-Trichloropropane	12.769	75	76557m	19.772	ug/l		
77) Bromobenzene	12.745	156	94827	18.899	ug/l		97
78) n-propylbenzene	12.800	91	522616	19.299	ug/l		100
79) 2-Chlorotoluene	12.891	91	314995	19.510	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	342625	18.918	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	32534	19.763	ug/l		93
82) 4-Chlorotoluene	12.983	91	332541	19.258	ug/l		99
83) tert-Butylbenzene	13.202	119	289501	19.381	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	351856	19.448	ug/l		99
85) sec-Butylbenzene	13.379	105	445004	19.315	ug/l		99
86) p-Isopropyltoluene	13.495	119	348959	18.390	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	198161	19.316	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	192043	18.860	ug/l		96
89) n-Butylbenzene	13.818	91	361417	18.755	ug/l		98
90) Hexachloroethane	14.086	117	67952	18.697	ug/l		100
91) 1,2-Dichlorobenzene	13.867	146	177690	19.746	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	17042	19.781	ug/l		97
93) 1,2,4-Trichlorobenzene	15.123	180	95073	17.347	ug/l		96
94) Hexachlorobutadiene	15.226	225	47026	18.640	ug/l		99
95) Naphthalene	15.360	128	231088	18.647	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	89200	17.915	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032585.D
Acq On : 08 Dec 2025 11:01
Operator : SY/MD
Sample : VW1208SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 02:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

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

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

Sample Results: **VW032585.D**

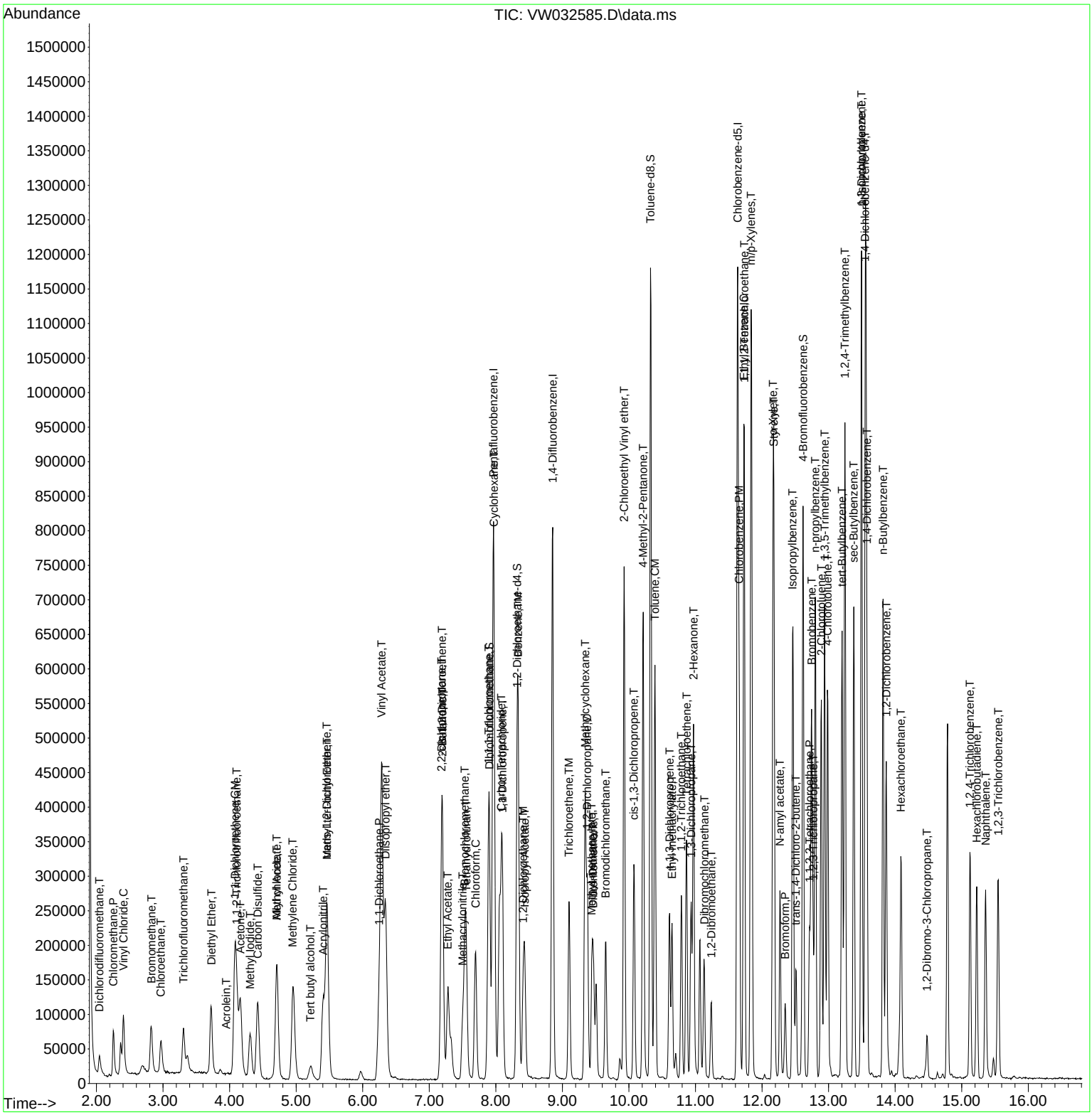
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032585.D
Acq On : 08 Dec 2025 11:01
Operator : SY/MD
Sample : VW1208SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



Raw Data: **VW032589.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 26 Stations - Pierrepont			Date Received:	
Client Sample ID:	VW1208SBSD01			SDG No.:	Q3790
Lab Sample ID:	VW1208SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.022		1	0.0011	0.0050	mg/Kg	12/08/25 12:39	VW120825
74-87-3	Chloromethane	0.019		1	0.0011	0.0050	mg/Kg	12/08/25 12:39	VW120825
75-01-4	Vinyl Chloride	0.021		1	0.00079	0.0050	mg/Kg	12/08/25 12:39	VW120825
74-83-9	Bromomethane	0.020		1	0.0011	0.0050	mg/Kg	12/08/25 12:39	VW120825
75-00-3	Chloroethane	0.020		1	0.0013	0.0050	mg/Kg	12/08/25 12:39	VW120825
75-69-4	Trichlorofluoromethane	0.021		1	0.0012	0.0050	mg/Kg	12/08/25 12:39	VW120825
76-13-1	1,1,2-Trichlorotrifluoroethane	0.022		1	0.0011	0.0050	mg/Kg	12/08/25 12:39	VW120825
75-35-4	1,1-Dichloroethene	0.020		1	0.0010	0.0050	mg/Kg	12/08/25 12:39	VW120825
67-64-1	Acetone	0.11		1	0.0047	0.025	mg/Kg	12/08/25 12:39	VW120825
75-15-0	Carbon Disulfide	0.020		1	0.0011	0.0050	mg/Kg	12/08/25 12:39	VW120825
1634-04-4	Methyl tert-butyl Ether	0.021		1	0.00073	0.0050	mg/Kg	12/08/25 12:39	VW120825
79-20-9	Methyl Acetate	0.020		1	0.0015	0.0050	mg/Kg	12/08/25 12:39	VW120825
75-09-2	Methylene Chloride	0.021		1	0.0035	0.010	mg/Kg	12/08/25 12:39	VW120825
156-60-5	trans-1,2-Dichloroethene	0.020		1	0.00086	0.0050	mg/Kg	12/08/25 12:39	VW120825
75-34-3	1,1-Dichloroethane	0.020		1	0.00080	0.0050	mg/Kg	12/08/25 12:39	VW120825
110-82-7	Cyclohexane	0.021		1	0.00079	0.0050	mg/Kg	12/08/25 12:39	VW120825
78-93-3	2-Butanone	0.11		1	0.0065	0.025	mg/Kg	12/08/25 12:39	VW120825
56-23-5	Carbon Tetrachloride	0.020		1	0.00097	0.0050	mg/Kg	12/08/25 12:39	VW120825
156-59-2	cis-1,2-Dichloroethene	0.019		1	0.00075	0.0050	mg/Kg	12/08/25 12:39	VW120825
74-97-5	Bromochloromethane	0.029		1	0.0012	0.0050	mg/Kg	12/08/25 12:39	VW120825
67-66-3	Chloroform	0.020		1	0.00084	0.0050	mg/Kg	12/08/25 12:39	VW120825
71-55-6	1,1,1-Trichloroethane	0.020		1	0.00093	0.0050	mg/Kg	12/08/25 12:39	VW120825
108-87-2	Methylcyclohexane	0.021		1	0.00091	0.0050	mg/Kg	12/08/25 12:39	VW120825
71-43-2	Benzene	0.020		1	0.00079	0.0050	mg/Kg	12/08/25 12:39	VW120825
107-06-2	1,2-Dichloroethane	0.021		1	0.00079	0.0050	mg/Kg	12/08/25 12:39	VW120825
79-01-6	Trichloroethene	0.019		1	0.00081	0.0050	mg/Kg	12/08/25 12:39	VW120825
78-87-5	1,2-Dichloropropane	0.020		1	0.00091	0.0050	mg/Kg	12/08/25 12:39	VW120825
75-27-4	Bromodichloromethane	0.020		1	0.00078	0.0050	mg/Kg	12/08/25 12:39	VW120825
108-10-1	4-Methyl-2-Pentanone	0.11		1	0.0036	0.025	mg/Kg	12/08/25 12:39	VW120825
108-88-3	Toluene	0.020		1	0.00078	0.0050	mg/Kg	12/08/25 12:39	VW120825
10061-02-6	t-1,3-Dichloropropene	0.020		1	0.00065	0.0050	mg/Kg	12/08/25 12:39	VW120825
10061-01-5	cis-1,3-Dichloropropene	0.020		1	0.00062	0.0050	mg/Kg	12/08/25 12:39	VW120825
79-00-5	1,1,2-Trichloroethane	0.020		1	0.00092	0.0050	mg/Kg	12/08/25 12:39	VW120825
591-78-6	2-Hexanone	0.11		1	0.0037	0.025	mg/Kg	12/08/25 12:39	VW120825
124-48-1	Dibromochloromethane	0.020		1	0.00087	0.0050	mg/Kg	12/08/25 12:39	VW120825
106-93-4	1,2-Dibromoethane	0.020		1	0.00088	0.0050	mg/Kg	12/08/25 12:39	VW120825
127-18-4	Tetrachloroethene	0.020		1	0.0011	0.0050	mg/Kg	12/08/25 12:39	VW120825
108-90-7	Chlorobenzene	0.020		1	0.00091	0.0050	mg/Kg	12/08/25 12:39	VW120825
100-41-4	Ethyl Benzene	0.020		1	0.00067	0.0050	mg/Kg	12/08/25 12:39	VW120825
179601-23-1	m/p-Xylenes	0.041		1	0.0012	0.010	mg/Kg	12/08/25 12:39	VW120825
95-47-6	o-Xylene	0.021		1	0.00082	0.0050	mg/Kg	12/08/25 12:39	VW120825
100-42-5	Styrene	0.021		1	0.00071	0.0050	mg/Kg	12/08/25 12:39	VW120825
75-25-2	Bromoform	0.021		1	0.00086	0.0050	mg/Kg	12/08/25 12:39	VW120825

Raw Data: **VW032589.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 26 Stations - Pierrepont			Date Received:	
Client Sample ID:	VW1208SBSD01			SDG No.:	Q3790
Lab Sample ID:	VW1208SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.020		1	0.00078	0.0050	mg/Kg	12/08/25 12:39	VW120825
79-34-5	1,1,2,2-Tetrachloroethane	0.022		1	0.0012	0.0050	mg/Kg	12/08/25 12:39	VW120825
541-73-1	1,3-Dichlorobenzene	0.020		1	0.0017	0.0050	mg/Kg	12/08/25 12:39	VW120825
106-46-7	1,4-Dichlorobenzene	0.020		1	0.0016	0.0050	mg/Kg	12/08/25 12:39	VW120825
95-50-1	1,2-Dichlorobenzene	0.021		1	0.0015	0.0050	mg/Kg	12/08/25 12:39	VW120825
96-12-8	1,2-Dibromo-3-Chloropropane	0.021		1	0.0018	0.0050	mg/Kg	12/08/25 12:39	VW120825
120-82-1	1,2,4-Trichlorobenzene	0.020		1	0.0030	0.0050	mg/Kg	12/08/25 12:39	VW120825
87-61-6	1,2,3-Trichlorobenzene	0.020		1	0.0032	0.0050	mg/Kg	12/08/25 12:39	VW120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.6			63 - 155	111%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.3			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	55.7			74 - 123	111%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.4			52 - 138	107%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	314000							
540-36-3	1,4-Difluorobenzene	583000							
3114-55-4	Chlorobenzene-d5	505000							
3855-82-1	1,4-Dichlorobenzene-d4	247000							

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_W\Data\VW120825\
Data File : VW032589.D
Acq On : 08 Dec 2025 12:39
Operator : SY/MD
Sample : VW1208SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:16:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	314458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	582852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	505370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	246600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	260184	55.598	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 111.200%			
35) Dibromofluoromethane	7.898	113	208460	54.349	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.700%			
50) Toluene-d8	10.331	98	803497	55.672	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 111.340%			
62) 4-Bromofluorobenzene	12.617	95	284520	53.358	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 106.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	42747	21.961	ug/l	92
3) Chloromethane	2.253	50	67594	18.891	ug/l	98
4) Vinyl Chloride	2.405	62	90838	20.925	ug/l	95
5) Bromomethane	2.826	94	57427	19.919	ug/l	98
6) Chloroethane	2.966	64	55422	19.766	ug/l	97
7) Trichlorofluoromethane	3.308	101	71134	21.140	ug/l	94
8) Diethyl Ether	3.722	74	48490	19.494	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	77831	21.879	ug/l	98
10) Methyl Iodide	4.314	142	105750	19.710	ug/l	99
11) Tert butyl alcohol	5.216	59	33168	92.147	ug/l #	80
12) 1,1-Dichloroethene	4.076	96	80361	20.035	ug/l	92
13) Acrolein	3.929	56	68996	108.149	ug/l	96
14) Allyl chloride	4.710	41	144529	19.685	ug/l	98
15) Acrylonitrile	5.405	53	139443	106.747	ug/l	99
16) Acetone	4.161	43	167134	114.293	ug/l	100
17) Carbon Disulfide	4.423	76	233368	19.639	ug/l	96
18) Methyl Acetate	4.710	43	60505	20.089	ug/l	96
19) Methyl tert-butyl Ether	5.466	73	154918	20.722	ug/l	98
20) Methylene Chloride	4.954	84	107943	20.641	ug/l	95
21) trans-1,2-Dichloroethene	5.466	96	86970	19.845	ug/l	90
22) Diisopropyl ether	6.344	45	302057	20.614	ug/l	95
23) Vinyl Acetate	6.283	43	1013107	104.342	ug/l	99
24) 1,1-Dichloroethane	6.246	63	168770	19.838	ug/l	99
25) 2-Butanone	7.197	43	197681	105.335	ug/l	97
26) 2,2-Dichloropropane	7.191	77	93408	18.940	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	98803	19.365	ug/l	100
28) Bromochloromethane	7.532	49	110938	29.029	ug/l	97
29) Tetrahydrofuran	7.551	42	120221	107.288	ug/l	100
30) Chloroform	7.691	83	168468	19.953	ug/l	96
31) Cyclohexane	7.971	56	154819	20.638	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	123035	20.078	ug/l	99
36) 1,1-Dichloropropene	8.093	75	122320	20.908	ug/l	98
37) Ethyl Acetate	7.276	43	85781	21.187	ug/l	98
38) Carbon Tetrachloride	8.087	117	107578	19.793	ug/l	97
39) Methylcyclohexane	9.343	83	146389	20.492	ug/l	99
40) Benzene	8.337	78	364749	19.564	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032589.D
Acq On : 08 Dec 2025 12:39
Operator : SY/MD
Sample : VW1208SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:16:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	42697	19.490	ug/l		88
42) 1,2-Dichloroethane	8.416	62	117144	20.493	ug/l		100
43) Isopropyl Acetate	8.435	43	142286	20.446	ug/l		100
44) Trichloroethene	9.099	130	80927	19.422	ug/l		92
45) 1,2-Dichloropropane	9.374	63	93473	20.185	ug/l		98
46) Dibromomethane	9.465	93	54963	20.525	ug/l		97
47) Bromodichloromethane	9.654	83	124388	19.818	ug/l		95
48) Methyl methacrylate	9.441	41	71851	22.713	ug/l		98
49) 1,4-Dioxane	9.465	88	13663	427.000	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.215	43	414901	107.747	ug/l		99
52) Toluene	10.392	92	229035	20.388	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	119454	19.839	ug/l		98
54) cis-1,3-Dichloropropene	10.081	75	142317	20.141	ug/l		93
55) 1,1,2-Trichloroethane	10.788	97	72800	20.298	ug/l		96
56) Ethyl methacrylate	10.648	69	99167	19.993	ug/l		96
57) 1,3-Dichloropropane	10.934	76	131580	20.556	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	300993	115.815	ug/l		100
59) 2-Hexanone	10.971	43	298300	108.775	ug/l		98
60) Dibromochloromethane	11.129	129	81277	20.219	ug/l		96
61) 1,2-Dibromoethane	11.239	107	69602	20.405	ug/l		100
64) Tetrachloroethene	10.867	164	67041	19.889	ug/l		97
65) Chlorobenzene	11.660	112	242734	20.327	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.733	131	71572	19.379	ug/l		94
67) Ethyl Benzene	11.733	91	413754	20.414	ug/l		98
68) m/p-Xylenes	11.837	106	318989	41.395	ug/l		99
69) o-Xylene	12.166	106	146211	20.718	ug/l		93
70) Styrene	12.178	104	258657	20.895	ug/l		98
71) Bromoform	12.349	173	42328	20.841	ug/l	#	99
73) Isopropylbenzene	12.464	105	373868	20.438	ug/l		99
74) N-amyl acetate	12.269	43	127945	21.129	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	93888	21.803	ug/l		97
76) 1,2,3-Trichloropropane	12.763	75	67538m	20.240	ug/l		
77) Bromobenzene	12.745	156	88031	20.358	ug/l		99
78) n-propylbenzene	12.800	91	485607	20.808	ug/l		99
79) 2-Chlorotoluene	12.891	91	287956	20.694	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	314899	20.175	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	29039	20.468	ug/l		91
82) 4-Chlorotoluene	12.989	91	308279	20.716	ug/l		99
83) tert-Butylbenzene	13.202	119	264049	20.511	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	324543	20.815	ug/l		98
85) sec-Butylbenzene	13.379	105	405797	20.438	ug/l		99
86) p-Isopropyltoluene	13.495	119	339568	20.764	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	179301	20.279	ug/l		99
88) 1,4-Dichlorobenzene	13.580	146	173553	19.776	ug/l		94
89) n-Butylbenzene	13.818	91	329511	19.841	ug/l		98
90) Hexachloroethane	14.086	117	59831	19.102	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	163857	21.128	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	15377	20.711	ug/l		94
93) 1,2,4-Trichlorobenzene	15.123	180	92449	19.573	ug/l		95
94) Hexachlorobutadiene	15.226	225	42338	19.473	ug/l		97
95) Naphthalene	15.360	128	197799	18.520	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	83462	19.450	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032589.D
Acq On : 08 Dec 2025 12:39
Operator : SY/MD
Sample : VW1208SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 02:16:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

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

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

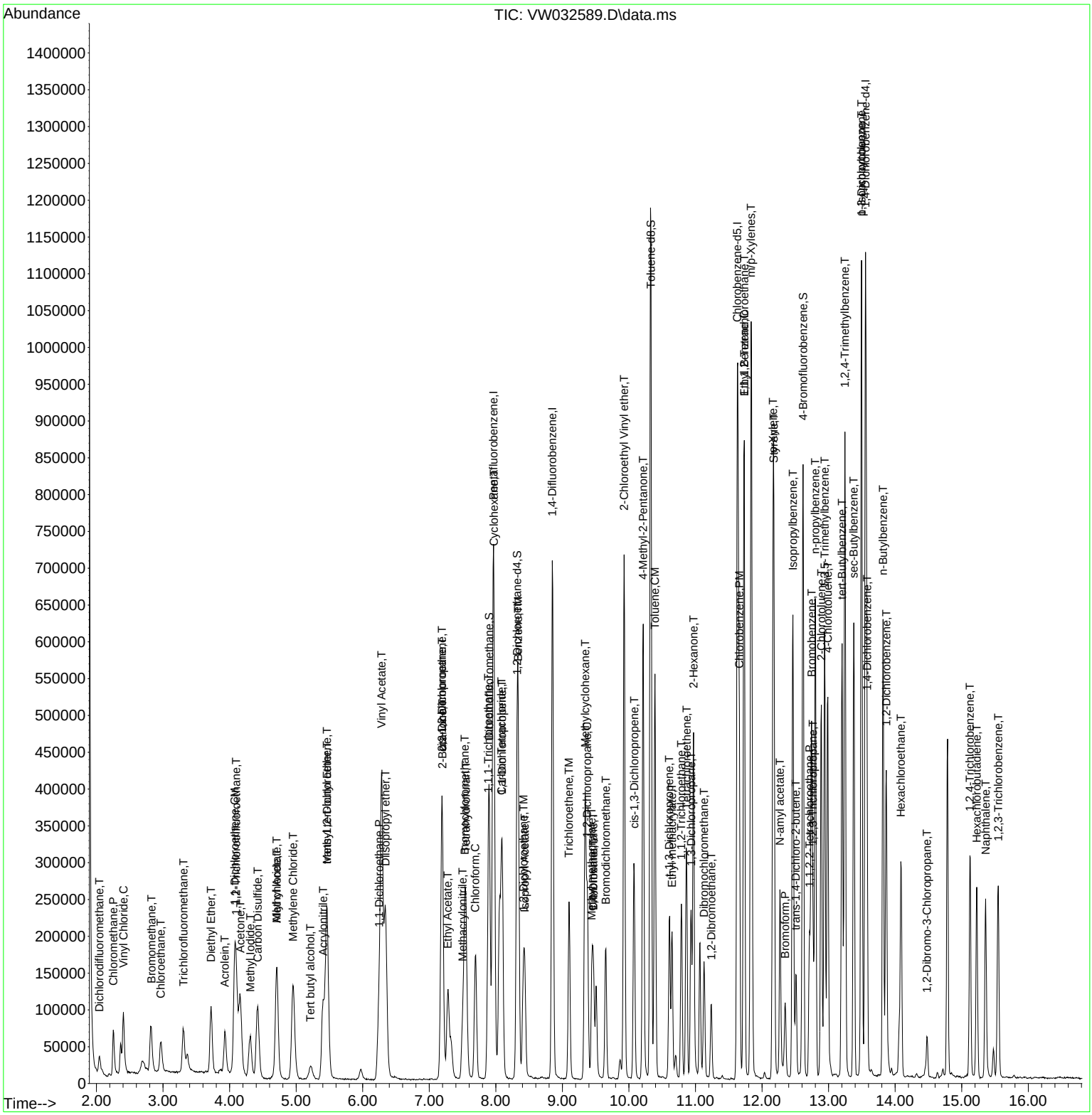
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032589.D
Acq On : 08 Dec 2025 12:39
Operator : SY/MD
Sample : VW1208SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:16:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



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

Manual Integration Report

Sequence:	VW120325	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032563.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:11 AM	sam	12/4/2025 2:37:40 PM	Peak Integrated by Software
VSTDICC005	VW032563.D	Naphthalene	JOHN	12/4/2025 8:41:11 AM	sam	12/4/2025 2:37:40 PM	Peak Integrated by Software
VSTDICC010	VW032564.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:16 AM	sam	12/4/2025 2:37:46 PM	Peak Integrated by Software
VSTDICC010	VW032564.D	Naphthalene	JOHN	12/4/2025 8:41:16 AM	sam	12/4/2025 2:37:46 PM	Peak Integrated by Software
VSTDICC020	VW032565.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:20 AM	sam	12/4/2025 2:37:58 PM	Peak Integrated by Software
VSTDICC020	VW032565.D	Naphthalene	JOHN	12/4/2025 8:41:20 AM	sam	12/4/2025 2:37:58 PM	Peak Integrated by Software
VSTDICCC050	VW032566.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:25 AM	sam	12/4/2025 2:38:11 PM	Peak Integrated by Software
VSTDICC100	VW032567.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:30 AM	sam	12/4/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC150	VW032568.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:38 AM	sam	12/4/2025 2:37:50 PM	Peak Integrated by Software
VSTDICV050	VW032570.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:45 AM	sam	12/4/2025 2:37:54 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VW120825	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032583.D	1,2,3-Trichloropropane	sam	12/9/2025 6:04:45 PM	MMDadoda	12/11/2025 10:03:28 AM	Peak Integrated by Software
VW1208SBS01	VW032585.D	1,2,3-Trichloropropane	sam	12/9/2025 6:04:50 PM	MMDadoda	12/11/2025 10:03:33 AM	Peak Integrated by Software
VW1208SBS01	VW032585.D	Acrolein	sam	12/9/2025 6:04:50 PM	MMDadoda	12/11/2025 10:03:33 AM	Peak Integrated by Software
VW1208SBSD01	VW032589.D	1,2,3-Trichloropropane	sam	12/9/2025 6:05:01 PM	MMDadoda	12/11/2025 10:03:40 AM	Peak Integrated by Software
VSTDCCC050	VW032603.D	1,2,3-Trichloropropane	sam	12/9/2025 6:05:09 PM	MMDadoda	12/11/2025 10:03:56 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120325

Review By	John Carlone	Review On	12/4/2025 8:41:58 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/4/2025 2:38:27 PM				
SubDirectory	VW120325	HP Acquire Method	MSVOA_W		HP Processing Method	82W120325S.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136481
Initial Calibration Stds	VP136482,VP136483,VP136484,VP136485,VP136486,VP136487
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136488
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032560.D	03 Dec 2025 09:27	SY/MD	Ok
2	VSTDCCC050	VW032561.D	03 Dec 2025 09:58	SY/MD	Not Ok
3	VIBLK	VW032562.D	03 Dec 2025 10:45	SY/MD	Not Ok
4	VSTDICC005	VW032563.D	03 Dec 2025 11:32	SY/MD	Ok,M
5	VSTDICC010	VW032564.D	03 Dec 2025 11:53	SY/MD	Ok,M
6	VSTDICC020	VW032565.D	03 Dec 2025 12:15	SY/MD	Ok,M
7	VSTDICCC050	VW032566.D	03 Dec 2025 12:37	SY/MD	Ok,M
8	VSTDICC100	VW032567.D	03 Dec 2025 12:58	SY/MD	Ok,M
9	VSTDICC150	VW032568.D	03 Dec 2025 13:20	SY/MD	Ok,M
10	VIBLK	VW032569.D	03 Dec 2025 13:42	SY/MD	Not Ok
11	VSTDICV050	VW032570.D	03 Dec 2025 14:07	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_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120825

Review By	John Carlone	Review On	12/9/2025 1:30:03 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2025 6:10:17 PM				
SubDirectory	VW120825	HP Acquire Method	MSVOA_W		HP Processing Method	82W120325S.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136572
Initial Calibration Stds	
CCC	VP136573,VP136574
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032582.D	08 Dec 2025 08:11	SY/MD	Ok
2	VSTDCCC050	VW032583.D	08 Dec 2025 09:40	SY/MD	Ok,M
3	VW1208SBL01	VW032584.D	08 Dec 2025 10:18	SY/MD	Ok
4	VW1208SBS01	VW032585.D	08 Dec 2025 11:01	SY/MD	Ok,M
5	VW1208SBS02	VW032586.D	08 Dec 2025 11:22	SY/MD	Not Ok
6	Q3784-04	VW032587.D	08 Dec 2025 11:56	SY/MD	Ok
7	Q3801-03	VW032588.D	08 Dec 2025 12:18	SY/MD	Ok
8	VW1208SBSD01	VW032589.D	08 Dec 2025 12:39	SY/MD	Ok,M
9	Q3801-08	VW032590.D	08 Dec 2025 13:01	SY/MD	Ok
10	Q3806-06	VW032591.D	08 Dec 2025 13:22	SY/MD	Ok
11	Q3790-03	VW032592.D	08 Dec 2025 13:44	SY/MD	Ok
12	Q3795-03	VW032593.D	08 Dec 2025 14:05	SY/MD	Ok
13	Q3795-07	VW032594.D	08 Dec 2025 14:27	SY/MD	ReRun
14	Q3806-03	VW032595.D	08 Dec 2025 14:49	SY/MD	Ok
15	VIBLK	VW032596.D	08 Dec 2025 15:10	SY/MD	Not Ok
16	Q3804-02	VW032597.D	08 Dec 2025 15:32	SY/MD	ReRun
17	VIBLK	VW032598.D	08 Dec 2025 15:53	SY/MD	Ok
18	Q3809-02	VW032599.D	08 Dec 2025 16:15	SY/MD	Ok
19	Q3809-03	VW032600.D	08 Dec 2025 16:36	SY/MD	Ok,M
20	Q3809-04	VW032601.D	08 Dec 2025 16:58	SY/MD	Ok,M
21	Q3809-05	VW032602.D	08 Dec 2025 17:19	SY/MD	Ok

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120825

Review By	John Carlone	Review On	12/9/2025 1:30:03 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2025 6:10:17 PM				
SubDirectory	VW120825	HP Acquire Method	MSVOA_W		HP Processing Method	82W120325S.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136572
Initial Calibration Stds	
CCC	VP136573,VP136574
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VW032603.D	08 Dec 2025 17:41	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_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120325

Review By	John Carlone	Review On	12/4/2025 8:41:58 AM			
Supervise By	Semsettin Yesilyurt	Supervise On	12/4/2025 2:38:27 PM			
SubDirectory	VW120325	HP Acquire Method	MSVOA_W	HP Processing Method	82W120325S.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136481
Initial Calibration Stds	VP136482,VP136483,VP136484,VP136485,VP136486,VP136487
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136488
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032560.D	03 Dec 2025 09:27		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032561.D	03 Dec 2025 09:58	Need ICAL	SY/MD	Not Ok
3	VIBLK	VIBLK	VW032562.D	03 Dec 2025 10:45		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VW032563.D	03 Dec 2025 11:32		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VW032564.D	03 Dec 2025 11:53		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VW032565.D	03 Dec 2025 12:15		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VW032566.D	03 Dec 2025 12:37		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VW032567.D	03 Dec 2025 12:58		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VW032568.D	03 Dec 2025 13:20		SY/MD	Ok,M
10	VIBLK	VIBLK	VW032569.D	03 Dec 2025 13:42		SY/MD	Not Ok
11	VSTDICV050	ICVVW120325	VW032570.D	03 Dec 2025 14:07		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_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120825

Review By	John Carlone	Review On	12/9/2025 1:30:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2025 6:10:17 PM		
SubDirectory	VW120825	HP Acquire Method	MSVOA_W	HP Processing Method	82W120325S.M

STD. NAME	STD REF.#
Tune/Reschk	VP136572
Initial Calibration Stds	
CCC	VP136573,VP136574
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032582.D	08 Dec 2025 08:11		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032583.D	08 Dec 2025 09:40		SY/MD	Ok,M
3	VW1208SBL01	VW1208SBL01	VW032584.D	08 Dec 2025 10:18		SY/MD	Ok
4	VW1208SBS01	VW1208SBS01	VW032585.D	08 Dec 2025 11:01		SY/MD	Ok,M
5	VW1208SBS02	VW1208SBS02	VW032586.D	08 Dec 2025 11:22	Surrogate fail;Not Required	SY/MD	Not Ok
6	Q3784-04	SB4A	VW032587.D	08 Dec 2025 11:56	vial B	SY/MD	Ok
7	Q3801-03	SOIL-1-VOC	VW032588.D	08 Dec 2025 12:18	vial A	SY/MD	Ok
8	VW1208SBSD01	VW1208SBSD01	VW032589.D	08 Dec 2025 12:39		SY/MD	Ok,M
9	Q3801-08	SOIL#2-VOC	VW032590.D	08 Dec 2025 13:01	vial A	SY/MD	Ok
10	Q3806-06	TR-05-12-5-2025	VW032591.D	08 Dec 2025 13:22	vial A	SY/MD	Ok
11	Q3790-03	304 FURMAN SOIL	VW032592.D	08 Dec 2025 13:44	Internal standard fail;Surrogate fail,vial A	SY/MD	Ok
12	Q3795-03	72-11966-VOC	VW032593.D	08 Dec 2025 14:05	Surrogate fail,vial A	SY/MD	Ok
13	Q3795-07	RBR-200059-VOC	VW032594.D	08 Dec 2025 14:27	Internal Standard Fail,vial A	SY/MD	ReRun
14	Q3806-03	TR-01-12-5-2025	VW032595.D	08 Dec 2025 14:49	vial A	SY/MD	Ok
15	VIBLK	VIBLK	VW032596.D	08 Dec 2025 15:10		SY/MD	Not Ok
16	Q3804-02	120325-A	VW032597.D	08 Dec 2025 15:32	Surrogate fail,vial A	SY/MD	ReRun
17	VIBLK	VIBLK	VW032598.D	08 Dec 2025 15:53		SY/MD	Ok

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120825

Review By	John Carlone	Review On	12/9/2025 1:30:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2025 6:10:17 PM		
SubDirectory	VW120825	HP Acquire Method	MSVOA_W	HP Processing Method	82W120325S.M

STD. NAME	STD REF.#
Tune/Reschk	VP136572
Initial Calibration Stds	
CCC	VP136573,VP136574
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3809-02	SW-2	VW032599.D	08 Dec 2025 16:15	Internal Standard Fail,vial A	SY/MD	Ok
19	Q3809-03	B-1	VW032600.D	08 Dec 2025 16:36	vial A	SY/MD	Ok,M
20	Q3809-04	SW-3	VW032601.D	08 Dec 2025 16:58	vial A	SY/MD	Ok,M
21	Q3809-05	SW-4	VW032602.D	08 Dec 2025 17:19	vial A	SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VW032603.D	08 Dec 2025 17:41		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 12/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 12/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB138141

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
Q3789-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q3789-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q3789-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q3789-08	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q3789-09	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q3789-10	PEST -GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q3790-01	304 FURMAN SOIL	7	1.14	10.35	11.49	10.07	86.3	
Q3790-03	304 FURMAN SOIL	8	1.18	10.08	11.26	9.81	85.6	
Q3790-04	304 FURMAN SOIL-TPH-1	9	1.13	10.55	11.68	10.3	86.9	
Q3790-05	304 FURMAN SOIL-TPH-2	10	1.18	10.53	11.71	10.22	85.8	
Q3790-06	304 FURMAN SOIL-TPH-3	11	1.15	10.38	11.53	10.00	85.3	
Q3795-01	72-11966	12	1.12	11.09	12.21	11.15	90.4	
Q3795-02	72-11966-EPH	13	1.15	10.84	11.99	11.13	92.1	
Q3795-03	72-11966-VOC	14	1.19	10.51	11.7	10.8	91.4	
Q3795-05	RBR 200059	15	1.18	10.81	11.99	9.81	79.8	
Q3795-06	RBR-200059-EPH	16	1.16	11.00	12.16	9.61	76.8	
Q3795-07	RBR-200059-VOC	17	1.16	10.62	11.78	10.6	88.9	
Q3800-01	ETGI-288	18	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3800-02	COMP#1	19	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3800-03	CONP#2	20	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3801-01	SOIL#1	21	1.11	10.55	11.66	10.6	90.0	
Q3801-02	SOIL#1-EPH	22	1.15	10.33	11.48	10.39	89.4	
Q3801-03	SOIL-1-VOC	23	1.19	10.65	11.84	10.64	88.7	
Q3801-04	SOIL#1-EPH-1	24	1.15	10.40	11.55	10.44	89.3	
Q3801-05	SOIL#1-EPH-2	25	1.18	10.53	11.71	10.6	89.5	
Q3801-06	SOIL#2	26	1.19	10.90	12.09	11.14	91.3	
Q3801-07	SOIL#2-EPH	27	1.11	10.68	11.79	10.77	90.4	
Q3801-08	SOIL#2-VOC	28	1.14	10.50	11.64	10.14	85.7	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 12/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 12/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB138141

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
Q3801-09	SOIL#2-EPH-1	29	1.19	10.50	11.69	10.47	88.4	
Q3801-10	SOIL#2-EPH-2	30	1.12	11.08	12.2	10.82	87.5	
Q3802-01	12-5-2025-A	31	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3802-02	12-5-2025-B	32	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3803-01	CHASE-A	33	1.15	10.19	11.34	11.28	99.4	
Q3803-02	CHASE-B	34	1.15	10.18	11.33	11.27	99.4	
Q3803-03	CHASE-C	35	1.19	10.70	11.89	11.84	99.5	
Q3803-04	CHASE-D	36	1.16	10.77	11.93	11.87	99.4	
Q3803-05	CHASE-E	37	1.16	10.52	11.68	11.66	99.8	
Q3803-06	CHASE-F	38	1.16	10.47	11.63	11.6	99.7	
Q3803-07	CHASE-G	39	1.11	10.84	11.95	11.92	99.7	
Q3803-08	CHASE-H	40	1.18	10.22	11.4	11.37	99.7	
Q3803-09	CHASE-I	41	1.19	10.61	11.8	11.72	99.2	
Q3803-10	CHASE-J	42	1.18	10.65	11.83	11.78	99.5	
Q3803-11	CHASE-K	43	1.11	10.12	11.23	11.21	99.8	
Q3803-12	CHASE-L	44	1.19	10.30	11.49	11.47	99.8	
Q3803-13	CHASE-M	45	1.19	10.26	11.45	11.37	99.2	
Q3803-14	CHASE-N	46	1.19	10.51	11.7	11.65	99.5	
Q3804-01	120325-A	47	1.14	10.39	11.53	10.2	87.2	
Q3804-02	120325-A	48	1.14	10.39	11.53	10.2	87.2	
Q3804-03	120325-B	49	1.19	10.23	11.42	11.12	97.1	
Q3804-04	120325-C	50	1.16	10.54	11.7	11.33	96.5	
Q3805-02	91725	51	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3806-01	TR-01-12-5-2025	52	1.11	10.19	11.3	10.53	92.4	
Q3806-02	TR-01-12-5-2025	53	1.16	10.56	11.72	10.65	89.9	
Q3806-03	TR-01-12-5-2025	54	1.15	10.47	11.62	10.89	93.0	
Q3806-04	TR-05-12-5-2025	55	1.16	10.48	11.64	11.00	93.9	
Q3806-05	TR-05-12-5-2025	56	1.13	10.95	12.08	11.33	93.2	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 12/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 12/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB138141

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
Q3806-06	TR-05-12-5-2025	57	1.18	10.54	11.72	10.68	90.1	
Q3809-01	SW-1	58	1.15	10.52	11.67	10.7	90.8	
Q3809-02	SW-2	72	1.14	10.92	12.06	10.03	81.4	
Q3809-03	B-1	59	1.18	10.17	11.35	8.75	74.4	
Q3809-04	SW-3	60	1.19	10.70	11.89	10.89	90.7	
Q3809-05	SW-4	61	1.11	10.41	11.52	10.75	92.6	
Q3809-06	B-2	62	1.19	10.68	11.87	9.24	75.4	
Q3809-07	B-3	63	1.15	10.66	11.81	9.12	74.8	
Q3809-08	SW-5	64	1.16	10.63	11.79	9.62	79.6	
Q3809-09	SW-6	65	1.16	10.36	11.52	9.66	82.0	
Q3809-10	SW-7	66	1.13	10.50	11.63	8.77	72.8	
Q3809-11	SW-8	67	1.15	10.40	11.55	10.28	87.8	
Q3809-12	SW-9	68	1.13	10.29	11.42	9.22	78.6	
Q3809-13	SW-10	69	1.17	10.49	11.66	9.6	80.4	
Q3809-14	B-4	70	1.18	10.82	12.00	10.82	89.1	
Q3810-01	BP Dirt Sample	71	1.19	10.22	11.41	10.93	95.3	
Q3812-01	OR-02-120825	73	1.12	11.10	12.22	11.26	91.4	
Q3812-02	OR-02-120825-E2	74	1.19	10.62	11.81	10.84	90.9	

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

WORKLIST(Hardcopy Internal Chain)

VB 138141

WorkList Name : %1-120825 **WorkList ID :** 193511 **Department :** Wet-Chemistry **Date :** 12-08-2025 08:32:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3789-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	11/28/2025	Chemtech -SO
Q3789-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	11/28/2025	Chemtech -SO
Q3789-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	11/28/2025	Chemtech -SO
Q3789-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	11/28/2025	Chemtech -SO
Q3789-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	11/28/2025	Chemtech -SO
Q3789-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	11/28/2025	Chemtech -SO
Q3790-01	304 FURMAN SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	11/28/2025	Chemtech -SO
Q3790-03	304 FURMAN SOIL	Solid	Percent Solids	Cool 4 deg C	TULL02	D31	12/05/2025	Chemtech -SO
Q3790-04	304 FURMAN SOIL-TPH-1	Solid	Percent Solids	Cool 4 deg C	TULL02	D31	12/05/2025	Chemtech -SO
Q3790-05	304 FURMAN SOIL-TPH-2	Solid	Percent Solids	Cool 4 deg C	TULL02	D31	12/05/2025	Chemtech -SO
Q3790-06	304 FURMAN SOIL-TPH-3	Solid	Percent Solids	Cool 4 deg C	TULL02	D31	12/05/2025	Chemtech -SO
Q3795-01	72-11966	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3795-02	72-11966-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3795-03	72-11966-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3795-05	RBR 200059	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3795-06	RBR-200059-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3795-07	RBR-200059-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3800-01	ETGI-288	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3800-02	COMP#1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3800-03	CONP#2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3801-01	SOIL#1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO

Date/Time 12/08/25 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 12/08/25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB138141

WorkList Name : %1-120825 **WorkList ID :** 193511 **Department :** Wet-Chemistry **Date :** 12-08-2025 08:32:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3801-02	SOIL#1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3801-03	SOIL-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3801-04	SOIL#1-EPH-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3801-05	SOIL#1-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3801-06	SOIL#2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3801-07	SOIL#2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3801-08	SOIL#2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3801-09	SOIL#2-EPH-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3801-10	SOIL#2-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3802-01	12-5-2025-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3802-02	12-5-2025-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	12/05/2025	Chemtech -SO
Q3803-01	CHASE-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	12/05/2025	Chemtech -SO
Q3803-02	CHASE-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-03	CHASE-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-04	CHASE-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-05	CHASE-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-06	CHASE-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-07	CHASE-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-08	CHASE-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-09	CHASE-I	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-10	CHASE-J	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO

Date/Time 12/08/25 15:00

Raw Sample Received by: SA WPC

Raw Sample Relinquished by:

Date/Time 12/08/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by: SA WPC

WORKLIST(Hardcopy Internal Chain)

VB738141

WorkList Name : %1-120825 **WorkList ID :** 193511 **Department :** Wet-Chemistry **Date :** 12-08-2025 08:32:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3803-11	CHASE-K	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-12	CHASE-L	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-13	CHASE-M	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3803-14	CHASE-N	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3804-01	120325-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	12/05/2025	Chemtech -SO
Q3804-02	120325-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A23	12/05/2025	Chemtech -SO
Q3804-03	120325-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A23	12/05/2025	Chemtech -SO
Q3804-04	120325-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	A23	12/05/2025	Chemtech -SO
Q3805-02	91725	Solid	Percent Solids	Cool 4 deg C	PSEG03	A23	12/05/2025	Chemtech -SO
Q3806-01	TR-01-12-5-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	A31	12/05/2025	Chemtech -SO
Q3806-02	TR-01-12-5-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D12	12/05/2025	Chemtech -SO
Q3806-03	TR-01-12-5-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/05/2025	Chemtech -SO
Q3806-04	TR-05-12-5-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D12	12/05/2025	Chemtech -SO
Q3806-05	TR-05-12-5-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D12	12/05/2025	Chemtech -SO
Q3806-06	TR-05-12-5-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/05/2025	Chemtech -SO
Q3809-01	SW-1	Solid	Percent Solids	Cool 4 deg C	PSEG05	D12	12/05/2025	Chemtech -SO
Q3809-02	SW-2	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-03	B-1	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-04	SW-3	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-05	SW-4	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-06	B-2	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO

Date/Time 12/08/25 13:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 12/08/25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 138141

WorkList Name : %1-120825 **WorkList ID :** 193511 **Department :** Wet-Chemistry **Date :** 12-08-2025 08:32:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3809-07	B-3	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-08	SW-5	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-09	SW-6	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-10	SW-7	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-11	SW-8	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-12	SW-9	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-13	SW-10	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3809-14	B-4	Solid	Percent Solids	Cool 4 deg C	TSLA01	A11	12/05/2025	Chemtech -SO
Q3810-01	BP Dirt Sample	Solid	Percent Solids	Cool 4 deg C	DALT01	D51	12/01/2025	Chemtech -SO
Q3812-01	OR-02-120825	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	12/08/2025	Chemtech -SO
Q3812-02	OR-02-120825-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	12/08/2025	Chemtech -SO

Date/Time 121081251500

Raw Sample Received by: JB WC

Raw Sample Relinquished by:

Date/Time 121081251730

Raw Sample Received by:

Raw Sample Relinquished by: JB 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. Q3790
COC Number 2047368

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Tully Construction Co.
ADDRESS: 304 Furman St.
CITY Brooklyn STATE: NY ZIP: 11201
ATTENTION: Dean Devoe
PHONE: 917-391-8200 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: MTA 26 Stations-Redevelopment
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 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ❑ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other _____
❑ EDD FORMAT _____

ANALYSIS

1	2	3	4	5	6	7	8	9
VOCs	RCRA CHAR	SVOC, PCB	Met. / TCLP Met.	TPH				

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E/F	E	E	E	E					← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	304 Furman Soil	S.	X		12-5	0725	9	X	X	X	X	X					PPM-0.0 / TERRA CORES
2.	304 Furman Soil - TPH-1	S.	X		12-5	0729	1					X					
3.	304 Furman Soil - TPH-2	S.	X		12-5	0735	1					X					
4.	304 Furman Soil - TPH-3	S.	X		12-5	0741	1					X					
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

	DATE/TIME	RECEIVED BY:
RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 0800 12-5-25	RECEIVED BY: 1.
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1500 12-5-25	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 4.1 + 0 = 4.1 °C
Comments: IR GUN #1

Page 1 of 1

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3790 TULL02
Client Name : Tully Construction Co., Inc.
Client Contact : Dean Devoe
Invoice Name : Tully Construction Co., Inc.
Invoice Contact : Dean Devoe

Order Date : 12/5/2025 10:01:00 AM
Project Name : MTA 26 Stations - Pierrepo
Receive DateTime : 12/5/2025 ~~2:00:00~~ PM 3:00-00 dl
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
Q3790-03	304 FURMAN SOIL	Solid	12/05/2025	07:25					
					VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinguished By :
Date / Time : 12/5/25 1636

Received By :
Date / Time : 12/08/25 8:00 NY HB R22
Storage Area : VOA Refridgerator Room