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

Cover Page

Order ID : Q1956

Project ID : Bergen Point Fueling System

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q1956-01	SB1-3-4
Q1956-02	SB2-4-5
Q1956-03	Q1956-02MS
Q1956-04	Q1956-02MSD
Q1956-05	COMP1
Q1956-06	SB91-3-4
Q1956-07	FB-05022025
Q1956-09	TB

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 5/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1956**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **05/14/2025**

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

LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			VOC-TCLVOA-10	8260D			05/05/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			VOC-TCLVOA-10	8260D			05/05/25	
Q1956-05	**COMP1**	**TCLP**			**05/02/25**			**05/02/25**
			TCLP VOA	8260D			05/06/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			VOC-TCLVOA-10	8260D			05/05/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			VOC-TCLVOA-10	8260-Low			05/05/25	
Q1956-09	**TB**	**Water**			**05/02/25**			**05/02/25**
			VOC-TCLVOA-10	8260-Low			05/14/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1956

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**SB1-3-4**							
Q1956-01	SB1-3-4	SOIL	m/p-Xylenes	1.20	J	1.10	8.80	ug/Kg
Q1956-01	SB1-3-4	SOIL	o-Xylene	0.95	J	0.72	4.40	ug/Kg
			Total Voc :	2.15				
			Total Concentration:	2.15				
Client ID:	**SB2-4-5**							
Q1956-02	SB2-4-5	SOIL	Trichlorofluoromethane	1.30	J	1.20	4.80	ug/Kg
Q1956-02	SB2-4-5	SOIL	Carbon Disulfide	1.00	J	1.00	4.80	ug/Kg
Q1956-02	SB2-4-5	SOIL	Methylene Chloride	4.50	J	3.40	9.70	ug/Kg
			Total Voc :	6.80				
			Total Concentration:	6.80				
Client ID:	**SB91-3-4**							
Q1956-06	SB91-3-4	SOIL	Methylene Chloride	3.70	J	3.20	9.00	ug/Kg
			Total Voc :	3.70				
			Total Concentration:	3.70				

QC SUMMARY

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

Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1956-01	SB1-3-4	1,2-Dichloroethane-d4	50	55.6	111	63	155
		Dibromofluoromethane	50	52.5	105	70	134
		Toluene-d8	50	49.5	99	74	123
		4-Bromofluorobenzene	50	41.2	82	38	136
Q1956-02	SB2-4-5	1,2-Dichloroethane-d4	50	56.3	113	63	155
		Dibromofluoromethane	50	51.5	103	70	134
		Toluene-d8	50	49.0	98	74	123
		4-Bromofluorobenzene	50	39.5	79	38	136
Q1956-03MS	SB2-4-5MS	1,2-Dichloroethane-d4	50	55.9	112	63	155
		Dibromofluoromethane	50	58.0	116	70	134
		Toluene-d8	50	60.8	122	74	123
		4-Bromofluorobenzene	50	55.6	111	38	136
Q1956-04MSD	SB2-4-5MSD	1,2-Dichloroethane-d4	50	51.3	103	63	155
		Dibromofluoromethane	50	56.8	114	70	134
		Toluene-d8	50	58.8	118	74	123
		4-Bromofluorobenzene	50	52.5	105	38	136
Q1956-06	SB91-3-4	1,2-Dichloroethane-d4	50	56.8	114	63	155
		Dibromofluoromethane	50	51.2	102	70	134
		Toluene-d8	50	49.4	99	74	123
		4-Bromofluorobenzene	50	42.3	85	38	136
VY0505SBL01	VY0505SBL01	1,2-Dichloroethane-d4	50	49.8	100	63	155
		Dibromofluoromethane	50	50.1	100	70	134
		Toluene-d8	50	46.5	93	74	123
		4-Bromofluorobenzene	50	55.3	111	38	136
VY0505SBS01	VY0505SBS01	1,2-Dichloroethane-d4	50	49.9	100	63	155
		Dibromofluoromethane	50	49.4	99	70	134
		Toluene-d8	50	48.9	98	74	123
		4-Bromofluorobenzene	50	50.1	100	38	136

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

Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1956-07	FB-05022025	1,2-Dichloroethane-d4	50	50.2	100	74	125
		Dibromofluoromethane	50	60.2	120	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	48.1	96	77	121
Q1956-09	TB	1,2-Dichloroethane-d4	50	54.3	109	74	125
		Dibromofluoromethane	50	51.0	102	75	124
		Toluene-d8	50	50.6	101	86	113
		4-Bromofluorobenzene	50	49.5	99	77	121
VN0505WBL01	VN0505WBL01	1,2-Dichloroethane-d4	50	49.0	98	74	125
		Dibromofluoromethane	50	60.2	120	75	124
		Toluene-d8	50	50.8	102	86	113
		4-Bromofluorobenzene	50	47.3	95	77	121
VN0505WBS01	VN0505WBS01	1,2-Dichloroethane-d4	50	51.6	103	74	125
		Dibromofluoromethane	50	57.8	116	75	124
		Toluene-d8	50	51.4	103	86	113
		4-Bromofluorobenzene	50	50.1	100	77	121
VX0514WBL01	VX0514WBL01	1,2-Dichloroethane-d4	50	53.7	107	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	50.1	100	86	113
		4-Bromofluorobenzene	50	51.1	102	77	121
VX0514WBS01	VX0514WBS01	1,2-Dichloroethane-d4	50	52.1	104	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	51.3	103	86	113
		4-Bromofluorobenzene	50	50.2	100	77	121
VX0514WBSD0	VX0514WBSD01	1,2-Dichloroethane-d4	50	51.3	103	74	125
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	51.2	102	86	113
		4-Bromofluorobenzene	50	50.8	101	77	121

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1956-03MS	**Client Sample ID :** SB2-4-5MS							**Datafile :** VY022165.D			
Dichlorodifluoromethane	45.6	0	40.8	ug/Kg	89				40	150	
Chloromethane	45.6	0	45.3	ug/Kg	99				24	175	
Vinyl chloride	45.6	0	48.7	ug/Kg	107				21	175	
Bromomethane	45.6	0	41.5	ug/Kg	91				46	150	
Chloroethane	45.6	0	51.8	ug/Kg	114				30	175	
Trichlorofluoromethane	45.6	1.30	46.3	ug/Kg	99				53	150	
1,1,2-Trichlorotrifluoroethane	45.6	0	44.5	ug/Kg	98				60	135	
1,1-Dichloroethene	45.6	0	44.9	ug/Kg	98				63	136	
Acetone	230	0	270	ug/Kg	117				41	175	
Carbon disulfide	45.6	1.00	41.0	ug/Kg	88				45	126	
Methyl tert-butyl Ether	45.6	0	47.4	ug/Kg	104				56	175	
Methyl Acetate	45.6	0	86.3	ug/Kg	189	*			32	175	
Methylene Chloride	45.6	4.50	46.5	ug/Kg	92				59	175	
trans-1,2-Dichloroethene	45.6	0	46.9	ug/Kg	103				63	137	
1,1-Dichloroethane	45.6	0	50.9	ug/Kg	112				62	154	
Cyclohexane	45.6	0	45.5	ug/Kg	100				41	131	
2-Butanone	230	0	230	ug/Kg	100				48	174	
Carbon Tetrachloride	45.6	0	47.8	ug/Kg	105				48	149	
cis-1,2-Dichloroethene	45.6	0	49.0	ug/Kg	107				59	153	
Bromochloromethane	45.6	0	54.5	ug/Kg	120				54	172	
Chloroform	45.6	0	50.6	ug/Kg	111				60	159	
1,1,1-Trichloroethane	45.6	0	48.7	ug/Kg	107				60	149	
Methylcyclohexane	45.6	0	45.4	ug/Kg	100				19	135	
Benzene	45.6	0	50.6	ug/Kg	111				59	140	
1,2-Dichloroethane	45.6	0	49.1	ug/Kg	108				63	153	
Trichloroethene	45.6	0	46.8	ug/Kg	103				45	154	
1,2-Dichloropropane	45.6	0	51.9	ug/Kg	114				67	141	
Bromodichloromethane	45.6	0	50.9	ug/Kg	112				54	160	
4-Methyl-2-Pentanone	230	0	250	ug/Kg	109				54	164	
Toluene	45.6	0	52.4	ug/Kg	115				61	134	
t-1,3-Dichloropropene	45.6	0	45.6	ug/Kg	100				47	155	
cis-1,3-Dichloropropene	45.6	0	45.7	ug/Kg	100				56	141	
1,1,2-Trichloroethane	45.6	0	48.1	ug/Kg	105				69	148	
2-Hexanone	230	0	240	ug/Kg	104				43	164	
Dibromochloromethane	45.6	0	47.7	ug/Kg	105				65	143	
1,2-Dibromoethane	45.6	0	46.5	ug/Kg	102				63	144	
Tetrachloroethene	45.6	0	47.7	ug/Kg	105				27	175	
Chlorobenzene	45.6	0	46.7	ug/Kg	102				66	127	
Ethyl Benzene	45.6	0	49.8	ug/Kg	109				54	134	
m/p-Xylenes	91.1	0	100	ug/Kg	110				51	137	
o-Xylene	45.6	0	49.4	ug/Kg	108				57	139	
Styrene	45.6	0	36.0	ug/Kg	79				47	136	
Bromoform	45.6	0	44.1	ug/Kg	97				64	144	
Isopropylbenzene	45.6	0	50.0	ug/Kg	110				44	160	
1,1,2,2-Tetrachloroethane	45.6	0	46.9	ug/Kg	103				18	175	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	45.6	0	42.5	ug/Kg	93				55	131	
1,4-Dichlorobenzene	45.6	0	42.8	ug/Kg	94				57	129	
1,2-Dichlorobenzene	45.6	0	42.8	ug/Kg	94				54	140	
1,2-Dibromo-3-Chloropropane	45.6	0	43.7	ug/Kg	96				46	175	
1,2,4-Trichlorobenzene	45.6	0	29.2	ug/Kg	64				12	127	
1,2,3-Trichlorobenzene	45.6	0	27.7	ug/Kg	61				10	160	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1956-04MSD		**Client Sample ID : SB2-4-5MSD**						**Datafile :** VY022166.D			
Dichlorodifluoromethane	43.3	0	45.3	ug/Kg	105		16		40	150	20
Chloromethane	43.3	0	46.2	ug/Kg	107		7		24	175	20
Vinyl chloride	43.3	0	51.2	ug/Kg	118		10		21	175	20
Bromomethane	43.3	0	43.4	ug/Kg	100		10		46	150	20
Chloroethane	43.3	0	51.5	ug/Kg	119		5		30	175	20
Trichlorofluoromethane	43.3	1.30	46.8	ug/Kg	105		6		53	150	20
1,1,2-Trichlorotrifluoroethane	43.3	0	46.8	ug/Kg	108		10		60	135	20
1,1-Dichloroethene	43.3	0	46.8	ug/Kg	108		9		63	136	20
Acetone	220	0	200	ug/Kg	91		25	*	41	175	20
Carbon disulfide	43.3	1.00	41.8	ug/Kg	94		7		45	126	20
Methyl tert-butyl Ether	43.3	0	42.0	ug/Kg	97		7		56	175	20
Methyl Acetate	43.3	0	67.4	ug/Kg	156		19		32	175	20
Methylene Chloride	43.3	4.50	43.0	ug/Kg	89		3		59	175	20
trans-1,2-Dichloroethene	43.3	0	47.0	ug/Kg	109		5		63	137	20
1,1-Dichloroethane	43.3	0	50.3	ug/Kg	116		4		62	154	20
Cyclohexane	43.3	0	46.7	ug/Kg	108		8		41	131	20
2-Butanone	220	0	180	ug/Kg	82		20		48	174	20
Carbon Tetrachloride	43.3	0	49.3	ug/Kg	114		8		48	149	20
cis-1,2-Dichloroethene	43.3	0	47.5	ug/Kg	110		2		59	153	20
Bromochloromethane	43.3	0	44.2	ug/Kg	102		16		54	172	20
Chloroform	43.3	0	49.7	ug/Kg	115		3		60	159	20
1,1,1-Trichloroethane	43.3	0	49.7	ug/Kg	115		7		60	149	20
Methylcyclohexane	43.3	0	48.1	ug/Kg	111		11		19	135	20
Benzene	43.3	0	50.5	ug/Kg	117		5		59	140	20
1,2-Dichloroethane	43.3	0	44.9	ug/Kg	104		4		63	153	20
Trichloroethene	43.3	0	47.8	ug/Kg	110		7		45	154	20
1,2-Dichloropropane	43.3	0	50.3	ug/Kg	116		2		67	141	20
Bromodichloromethane	43.3	0	47.9	ug/Kg	111		1		54	160	20
4-Methyl-2-Pentanone	220	0	190	ug/Kg	86		23	*	54	164	20
Toluene	43.3	0	51.4	ug/Kg	119		3		61	134	20
t-1,3-Dichloropropene	43.3	0	41.4	ug/Kg	96		4		47	155	20
cis-1,3-Dichloropropene	43.3	0	44.2	ug/Kg	102		2		56	141	20
1,1,2-Trichloroethane	43.3	0	43.0	ug/Kg	99		6		69	148	20
2-Hexanone	220	0	180	ug/Kg	82		24	*	43	164	20
Dibromochloromethane	43.3	0	43.1	ug/Kg	100		5		65	143	20
1,2-Dibromoethane	43.3	0	40.2	ug/Kg	93		9		63	144	20
Tetrachloroethene	43.3	0	49.2	ug/Kg	114		8		27	175	20
Chlorobenzene	43.3	0	47.7	ug/Kg	110		7		66	127	20
Ethyl Benzene	43.3	0	51.9	ug/Kg	120		9		54	134	20
m/p-Xylenes	86.7	0	100	ug/Kg	115		5		51	137	20
o-Xylene	43.3	0	51.4	ug/Kg	119		9		57	139	20
Styrene	43.3	0	38.0	ug/Kg	88		11		47	136	20
Bromoform	43.3	0	39.0	ug/Kg	90		7		64	144	20
Isopropylbenzene	43.3	0	55.0	ug/Kg	127		15		44	160	20
1,1,2,2-Tetrachloroethane	43.3	0	42.8	ug/Kg	99		4		18	175	20

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	43.3	0	45.9	ug/Kg	106		13		55	131	20
1,4-Dichlorobenzene	43.3	0	44.1	ug/Kg	102		8		57	129	20
1,2-Dichlorobenzene	43.3	0	44.3	ug/Kg	102		9		54	140	20
1,2-Dibromo-3-Chloropropane	43.3	0	36.4	ug/Kg	84		13		46	175	20
1,2,4-Trichlorobenzene	43.3	0	28.7	ug/Kg	66		3		12	127	20
1,2,3-Trichlorobenzene	43.3	0	25.7	ug/Kg	59		2		10	160	20

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.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VN086481.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0505WBS01	Dichlorodifluoromethane	20	19.6	ug/L	98			69	116	
	Chloromethane	20	17.7	ug/L	89			65	116	
	Vinyl chloride	20	19.0	ug/L	95			65	117	
	Bromomethane	20	24.1	ug/L	121			58	125	
	Chloroethane	20	19.2	ug/L	96			56	128	
	Trichlorofluoromethane	20	20.2	ug/L	101			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			80	112	
	1,1-Dichloroethene	20	19.1	ug/L	96			74	110	
	Acetone	100	92.7	ug/L	93			60	125	
	Carbon disulfide	20	17.7	ug/L	89			64	112	
	Methyl tert-butyl Ether	20	18.7	ug/L	94			78	114	
	Methyl Acetate	20	16.3	ug/L	81			67	125	
	Methylene Chloride	20	20.0	ug/L	100			72	114	
	trans-1,2-Dichloroethene	20	19.6	ug/L	98			75	108	
	1,1-Dichloroethane	20	19.1	ug/L	96			78	112	
	Cyclohexane	20	17.6	ug/L	88			75	110	
	2-Butanone	100	88.3	ug/L	88			65	122	
	Carbon Tetrachloride	20	20.6	ug/L	103			77	113	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			77	110	
	Bromochloromethane	20	18.4	ug/L	92			70	124	
	Chloroform	20	20.2	ug/L	101			79	113	
	1,1,1-Trichloroethane	20	20.7	ug/L	104			80	108	
	Methylcyclohexane	20	18.4	ug/L	92			72	115	
	Benzene	20	19.6	ug/L	98			82	109	
	1,2-Dichloroethane	20	20.6	ug/L	103			80	115	
	Trichloroethene	20	20.4	ug/L	102			77	113	
	1,2-Dichloropropane	20	19.1	ug/L	96			83	111	
	Bromodichloromethane	20	20.6	ug/L	103			83	110	
	4-Methyl-2-Pentanone	100	93.0	ug/L	93			74	118	
	Toluene	20	20.4	ug/L	102			82	110	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			79	110	
	cis-1,3-Dichloropropene	20	18.9	ug/L	95			82	110	
	1,1,2-Trichloroethane	20	20.9	ug/L	104			83	112	
	2-Hexanone	100	94.1	ug/L	94			73	117	
	Dibromochloromethane	20	21.3	ug/L	106			82	110	
	1,2-Dibromoethane	20	20.9	ug/L	104			81	110	
	Tetrachloroethene	20	20.0	ug/L	100			67	123	
	Chlorobenzene	20	20.5	ug/L	103			82	109	
	Ethyl Benzene	20	19.8	ug/L	99			83	109	
	m/p-Xylenes	40	40.3	ug/L	101			82	110	
	o-Xylene	20	20.3	ug/L	102			83	109	
	Styrene	20	20.0	ug/L	100			80	111	
	Bromoform	20	20.1	ug/L	101			79	109	
	Isopropylbenzene	20	20.2	ug/L	101			83	112	
	1,1,2,2-Tetrachloroethane	20	21.2	ug/L	106			76	118	
	1,3-Dichlorobenzene	20	20.5	ug/L	103			82	108	
	1,4-Dichlorobenzene	20	20.4	ug/L	102			82	107	
	1,2-Dichlorobenzene	20	20.3	ug/L	102			82	109	

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.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VN086481.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0505WBS01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/L	93			68	112	
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			75	113	
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96			76	114	

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.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046188.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0514WBS01	Dichlorodifluoromethane	20	20.1	ug/L	101			69	116	
	Chloromethane	20	19.3	ug/L	97			65	116	
	Vinyl chloride	20	18.8	ug/L	94			65	117	
	Bromomethane	20	18.1	ug/L	91			58	125	
	Chloroethane	20	21.6	ug/L	108			56	128	
	Trichlorofluoromethane	20	20.1	ug/L	101			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			80	112	
	1,1-Dichloroethene	20	18.9	ug/L	95			74	110	
	Acetone	100	99.9	ug/L	100			60	125	
	Carbon disulfide	20	16.6	ug/L	83			64	112	
	Methyl tert-butyl Ether	20	19.7	ug/L	99			78	114	
	Methyl Acetate	20	22.7	ug/L	114			67	125	
	Methylene Chloride	20	18.7	ug/L	94			72	114	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			75	108	
	1,1-Dichloroethane	20	20.0	ug/L	100			78	112	
	Cyclohexane	20	19.3	ug/L	97			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	19.3	ug/L	97			77	113	
	cis-1,2-Dichloroethene	20	19.7	ug/L	99			77	110	
	Bromochloromethane	20	23.0	ug/L	115			70	124	
	Chloroform	20	20.6	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			80	108	
	Methylcyclohexane	20	17.9	ug/L	90			72	115	
	Benzene	20	19.8	ug/L	99			82	109	
	1,2-Dichloroethane	20	20.1	ug/L	101			80	115	
	Trichloroethene	20	18.9	ug/L	95			77	113	
	1,2-Dichloropropane	20	20.4	ug/L	102			83	111	
	Bromodichloromethane	20	19.8	ug/L	99			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.5	ug/L	98			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	19.0	ug/L	95			82	110	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			83	112	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	19.7	ug/L	99			82	110	
	1,2-Dibromoethane	20	19.9	ug/L	100			81	110	
	Tetrachloroethene	20	18.5	ug/L	93			67	123	
	Chlorobenzene	20	19.0	ug/L	95			82	109	
	Ethyl Benzene	20	19.4	ug/L	97			83	109	
	m/p-Xylenes	40	39.2	ug/L	98			82	110	
	o-Xylene	20	19.5	ug/L	98			83	109	
	Styrene	20	20.0	ug/L	100			80	111	
	Bromoform	20	18.6	ug/L	93			79	109	
	Isopropylbenzene	20	20.3	ug/L	102			83	112	
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101			76	118	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			82	108	
	1,4-Dichlorobenzene	20	19.2	ug/L	96			82	107	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			82	109	

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.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046188.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0514WBS01	1,2-Dibromo-3-Chloropropane	20	20.3	ug/L	102			68	112	
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90			75	113	
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95			76	114	

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.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046189.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0514WBSD01	Dichlorodifluoromethane	20	19.3	ug/L	97	4		69	116	20
	Chloromethane	20	18.4	ug/L	92	5		65	116	20
	Vinyl chloride	20	18.1	ug/L	91	3		65	117	20
	Bromomethane	20	17.8	ug/L	89	2		58	125	20
	Chloroethane	20	20.4	ug/L	102	6		56	128	20
	Trichlorofluoromethane	20	19.6	ug/L	98	3		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97	2		80	112	20
	1,1-Dichloroethene	20	18.8	ug/L	94	1		74	110	20
	Acetone	100	100	ug/L	100	0		60	125	20
	Carbon disulfide	20	16.6	ug/L	83	0		64	112	20
	Methyl tert-butyl Ether	20	20.2	ug/L	101	2		78	114	20
	Methyl Acetate	20	21.9	ug/L	110	4		67	125	20
	Methylene Chloride	20	18.5	ug/L	93	1		72	114	20
	trans-1,2-Dichloroethene	20	19.1	ug/L	96	2		75	108	20
	1,1-Dichloroethane	20	20.1	ug/L	101	1		78	112	20
	Cyclohexane	20	19.0	ug/L	95	2		75	110	20
	2-Butanone	100	100	ug/L	100	0		65	122	20
	Carbon Tetrachloride	20	19.2	ug/L	96	1		77	113	20
	cis-1,2-Dichloroethene	20	19.8	ug/L	99	0		77	110	20
	Bromochloromethane	20	23.0	ug/L	115	0		70	124	20
	Chloroform	20	20.6	ug/L	103	0		79	113	20
	1,1,1-Trichloroethane	20	19.4	ug/L	97	3		80	108	20
	Methylcyclohexane	20	18.2	ug/L	91	1		72	115	20
	Benzene	20	19.8	ug/L	99	0		82	109	20
	1,2-Dichloroethane	20	20.6	ug/L	103	2		80	115	20
	Trichloroethene	20	19.4	ug/L	97	2		77	113	20
	1,2-Dichloropropane	20	20.8	ug/L	104	2		83	111	20
	Bromodichloromethane	20	20.6	ug/L	103	4		83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		74	118	20
	Toluene	20	19.9	ug/L	100	2		82	110	20
	t-1,3-Dichloropropene	20	18.8	ug/L	94	2		79	110	20
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	3		82	110	20
	1,1,2-Trichloroethane	20	20.5	ug/L	103	0		83	112	20
	2-Hexanone	100	110	ug/L	110	10		73	117	20
	Dibromochloromethane	20	20.3	ug/L	102	3		82	110	20
	1,2-Dibromoethane	20	20.5	ug/L	103	3		81	110	20
	Tetrachloroethene	20	18.7	ug/L	94	1		67	123	20
	Chlorobenzene	20	19.3	ug/L	97	2		82	109	20
	Ethyl Benzene	20	19.4	ug/L	97	0		83	109	20
	m/p-Xylenes	40	38.7	ug/L	97	1		82	110	20
	o-Xylene	20	19.5	ug/L	98	0		83	109	20
	Styrene	20	20.3	ug/L	102	2		80	111	20
	Bromoform	20	18.5	ug/L	93	0		79	109	20
	Isopropylbenzene	20	19.5	ug/L	98	4		83	112	20
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101	0		76	118	20
	1,3-Dichlorobenzene	20	19.3	ug/L	97	0		82	108	20
	1,4-Dichlorobenzene	20	19.4	ug/L	97	1		82	107	20
	1,2-Dichlorobenzene	20	20.0	ug/L	100	0		82	109	20

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.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046189.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0514WBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100	2		68	112	20
	1,2,4-Trichlorobenzene	20	18.1	ug/L	91	1		75	113	20
	1,2,3-Trichlorobenzene	20	18.8	ug/L	94	1		76	114	20

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.: Q1956

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022147.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0505SBS01	Dichlorodifluoromethane	20	18.8	ug/Kg	94			64	136	
	Chloromethane	20	19.9	ug/Kg	100			70	130	
	Vinyl chloride	20	19.9	ug/Kg	100			72	129	
	Bromomethane	20	22.1	ug/Kg	111			58	141	
	Chloroethane	20	20.7	ug/Kg	104			69	130	
	Trichlorofluoromethane	20	20.5	ug/Kg	103			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.0	ug/Kg	100			79	121	
	Acetone	100	93.4	ug/Kg	93			60	131	
	Carbon disulfide	20	19.2	ug/Kg	96			45	154	
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97			77	129	
	Methyl Acetate	20	20.4	ug/Kg	102			69	149	
	Methylene Chloride	20	18.7	ug/Kg	94			56	174	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			80	123	
	1,1-Dichloroethane	20	20.1	ug/Kg	101			82	123	
	Cyclohexane	20	19.8	ug/Kg	99			76	122	
	2-Butanone	100	92.1	ug/Kg	92			69	131	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99			82	123	
	Bromochloromethane	20	20.5	ug/Kg	103			80	127	
	Chloroform	20	20.3	ug/Kg	102			82	125	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			80	126	
	Methylcyclohexane	20	19.7	ug/Kg	99			77	123	
	Benzene	20	20.2	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	21.0	ug/Kg	105			81	126	
	Trichloroethene	20	20.7	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.5	ug/Kg	103			82	123	
	4-Methyl-2-Pentanone	100	95.6	ug/Kg	96			70	135	
	Toluene	20	20.2	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			81	122	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			82	125	
	2-Hexanone	100	92.9	ug/Kg	93			66	138	
	Dibromochloromethane	20	19.5	ug/Kg	98			79	125	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			80	125	
	Tetrachloroethene	20	21.3	ug/Kg	106			83	125	
	Chlorobenzene	20	20.0	ug/Kg	100			84	122	
	Ethyl Benzene	20	19.6	ug/Kg	98			82	124	
	m/p-Xylenes	40	40.3	ug/Kg	101			83	124	
	o-Xylene	20	19.9	ug/Kg	100			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	19.3	ug/Kg	97			75	127	
	Isopropylbenzene	20	19.5	ug/Kg	98			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			84	121	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			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.: Q1956

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022147.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0505SBS01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98			66	134	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	18.4	ug/Kg	92			70	137	

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0505WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086480.D Lab Sample ID: VN0505WBL01

Date Analyzed: 05/05/2025 Time Analyzed: 12:38

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0505WBS01	VN0505WBS01	VN086481.D	05/05/2025
FB-05022025	Q1956-07	VN086488.D	05/05/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0514WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046183.D Lab Sample ID: VX0514WBL01

Date Analyzed: 05/14/2025 Time Analyzed: 10:50

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TB	Q1956-09	VX046184.D	05/14/2025
VX0514WBS01	VX0514WBS01	VX046188.D	05/14/2025
VX0514WBSD01	VX0514WBSD01	VX046189.D	05/14/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0505SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022146.D Lab Sample ID: VY0505SBL01

Date Analyzed: 05/05/2025 Time Analyzed: 09:24

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0505SBS01	VY0505SBS01	VY022147.D	05/05/2025
SB1-3-4	Q1956-01	VY022162.D	05/05/2025
SB2-4-5	Q1956-02	VY022163.D	05/05/2025
SB91-3-4	Q1956-06	VY022164.D	05/05/2025
SB2-4-5MS	Q1956-03MS	VY022165.D	05/05/2025
SB2-4-5MSD	Q1956-04MSD	VY022166.D	05/05/2025

COMMENTS:

Raw Data: **VN086276.D**

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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086276.D BFB Injection Date: 04/15/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:47

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086277.D	04/15/2025	11:29
VSTDICC005	VSTDICC005	VN086278.D	04/15/2025	12:21
VSTDICC010	VSTDICC010	VN086279.D	04/15/2025	12:45
VSTDICC020	VSTDICC020	VN086280.D	04/15/2025	13:09
VSTDICCC050	VSTDICCC050	VN086281.D	04/15/2025	13:51
VSTDICC100	VSTDICC100	VN086282.D	04/15/2025	14:29

Raw Data: **VN086477.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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086477.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:23

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.1
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	0.7 (1) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	70.3 (95) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086478.D	05/05/2025	11:32
VN0505WBL01	VN0505WBL01	VN086480.D	05/05/2025	12:38
VN0505WBS01	VN0505WBS01	VN086481.D	05/05/2025	13:02
FB-05022025	Q1956-07	VN086488.D	05/05/2025	16:00

Raw Data: **VX046038.D**

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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
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	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046180.D BFB Injection Date: 05/14/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:29

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.2 (7.5) 1
176	95.0 - 101.0% of mass 174	65.9 (95.5) 1
177	5.0 - 9.0% of mass 176	4.1 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046181.D	05/14/2025	09:59
VX0514WBL01	VX0514WBL01	VX046183.D	05/14/2025	10:50
TB	Q1956-09	VX046184.D	05/14/2025	11:13
VX0514WBS01	VX0514WBS01	VX046188.D	05/14/2025	12:46
VX0514WBSD01	VX0514WBSD01	VX046189.D	05/14/2025	13:12

Raw Data: **VY021952.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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021953.D	04/22/2025	13:39
VSTDICC010	VSTDICC010	VY021954.D	04/22/2025	14:44
VSTDICC020	VSTDICC020	VY021955.D	04/22/2025	15:07
VSTDICCC050	VSTDICCC050	VY021956.D	04/22/2025	15:29
VSTDICC100	VSTDICC100	VY021957.D	04/22/2025	15:52
VSTDICC150	VSTDICC150	VY021958.D	04/22/2025	16:15

Raw Data: **VY022144.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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022144.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:15

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	6.5 (7.7) 1
176	95.0 - 101.0% of mass 174	81.6 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022145.D	05/05/2025	08:46
VY0505SBL01	VY0505SBL01	VY022146.D	05/05/2025	09:24
VY0505SBS01	VY0505SBS01	VY022147.D	05/05/2025	09:55
SB1-3-4	Q1956-01	VY022162.D	05/05/2025	16:18
SB2-4-5	Q1956-02	VY022163.D	05/05/2025	16:42
SB91-3-4	Q1956-06	VY022164.D	05/05/2025	17:05
SB2-4-5MS	Q1956-03MS	VY022165.D	05/05/2025	17:28
SB2-4-5MSD	Q1956-04MSD	VY022166.D	05/05/2025	17:51

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086478.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	154484	8.22	297307	9.10	276417	11.87
UPPER LIMIT	308968	8.718	594614	9.6	552834	12.365
LOWER LIMIT	77242	7.718	148654	8.6	138209	11.365
EPA SAMPLE NO.						
FB-05022025	141270	8.22	272905	9.10	255761	11.87
VN0505WBL01	156438	8.22	296282	9.10	275019	11.87
VN0505WBS01	196497	8.22	366604	9.10	333505	11.87

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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086478.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

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

	IS4 AREA #	RT #				
12 HOUR STD	133852	13.788				
UPPER LIMIT	267704	14.288				
LOWER LIMIT	66926	13.288				
EPA SAMPLE NO.						
FB-05022025	111305	13.79				
VN0505WBL01	110905	13.79				
VN0505WBS01	147574	13.79				

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046181.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_X Time Analyzed: 09:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	92522	5.54	155707	6.76	140519	10.05
UPPER LIMIT	185044	6.043	311414	7.257	281038	10.549
LOWER LIMIT	46261	5.043	77853.5	6.257	70259.5	9.549
EPA SAMPLE NO.						
TB	65765	5.55	132071	6.76	124301	10.05
VX0514WBL01	66143	5.55	133003	6.76	124085	10.05
VX0514WBS01	87880	5.55	155746	6.76	138245	10.05
VX0514WBSD01	86737	5.54	152178	6.76	134818	10.05

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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046181.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_X Time Analyzed: 09:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	65751	12.018				
UPPER LIMIT	131502	12.518				
LOWER LIMIT	32875.5	11.518				
EPA SAMPLE NO.						
TB	53565	12.02				
VX0514WBL01	54666	12.02				
VX0514WBS01	63286	12.02				
VX0514WBSD01	63322	12.02				

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022145.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:46

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	301546	7.71	450262	8.62	415602	11.42
UPPER LIMIT	603092	8.213	900524	9.116	831204	11.92
LOWER LIMIT	150773	7.213	225131	8.116	207801	10.92
EPA SAMPLE NO.						
SB1-3-4	219011	7.71	424575	8.62	385973	11.41
SB2-4-5	219179	7.71	426674	8.62	385317	11.42
SB2-4-5MS	168734	7.71	261635	8.62	242756	11.41
SB2-4-5MSD	183464	7.71	282446	8.62	251760	11.41
SB91-3-4	214691	7.71	422744	8.62	385176	11.41
VY0505SBL01	329285	7.71	599236	8.62	511500	11.42
VY0505SBS01	283597	7.71	437631	8.62	395977	11.42

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022145.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:46

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

	IS4 AREA #	RT #				
12 HOUR STD	221579	13.347				
UPPER LIMIT	443158	13.847				
LOWER LIMIT	110790	12.847				
EPA SAMPLE NO.						
SB1-3-4	144961	13.35				
SB2-4-5	140796	13.35				
SB2-4-5MS	125407	13.35				
SB2-4-5MSD	123121	13.35				
SB91-3-4	143859	13.35				
VY0505SBL01	191516	13.35				
VY0505SBS01	212383	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VY022162.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022162.D	1		05/05/25 16:18	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.40	U	1.00	4.40	ug/Kg
74-87-3	Chloromethane	4.40	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	4.40	U	0.70	4.40	ug/Kg
74-83-9	Bromomethane	4.40	U	0.94	4.40	ug/Kg
75-00-3	Chloroethane	4.40	U	1.10	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	4.40	U	1.10	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.40	U	0.93	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	4.40	U	0.88	4.40	ug/Kg
67-64-1	Acetone	22.0	U	4.20	22.0	ug/Kg
75-15-0	Carbon Disulfide	4.40	U	0.93	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.40	U	0.64	4.40	ug/Kg
79-20-9	Methyl Acetate	4.40	U	1.40	4.40	ug/Kg
75-09-2	Methylene Chloride	8.80	U	3.10	8.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.40	U	0.76	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	4.40	U	0.71	4.40	ug/Kg
110-82-7	Cyclohexane	4.40	U	0.70	4.40	ug/Kg
78-93-3	2-Butanone	22.0	U	5.80	22.0	ug/Kg
56-23-5	Carbon Tetrachloride	4.40	U	0.86	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.40	U	0.66	4.40	ug/Kg
74-97-5	Bromochloromethane	4.40	U	1.00	4.40	ug/Kg
67-66-3	Chloroform	4.40	U	0.74	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.40	U	0.82	4.40	ug/Kg
108-87-2	Methylcyclohexane	4.40	U	0.80	4.40	ug/Kg
71-43-2	Benzene	4.40	U	0.70	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	4.40	U	0.70	4.40	ug/Kg
79-01-6	Trichloroethene	4.40	U	0.71	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	4.40	U	0.80	4.40	ug/Kg
75-27-4	Bromodichloromethane	4.40	U	0.69	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	22.0	U	3.20	22.0	ug/Kg
108-88-3	Toluene	4.40	U	0.69	4.40	ug/Kg

Raw Data: **VY022162.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022162.D	1		05/05/25 16:18	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.40	U	0.57	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.40	U	0.55	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.40	U	0.81	4.40	ug/Kg
591-78-6	2-Hexanone	22.0	U	3.30	22.0	ug/Kg
124-48-1	Dibromochloromethane	4.40	U	0.77	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	4.40	U	0.78	4.40	ug/Kg
127-18-4	Tetrachloroethene	4.40	U	0.93	4.40	ug/Kg
108-90-7	Chlorobenzene	4.40	U	0.80	4.40	ug/Kg
100-41-4	Ethyl Benzene	4.40	U	0.59	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.20	J	1.10	8.80	ug/Kg
95-47-6	o-Xylene	0.95	J	0.72	4.40	ug/Kg
100-42-5	Styrene	4.40	U	0.63	4.40	ug/Kg
75-25-2	Bromoform	4.40	U	0.76	4.40	ug/Kg
98-82-8	Isopropylbenzene	4.40	U	0.69	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.40	U	1.10	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.40	U	1.50	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.40	U	1.40	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.40	U	1.30	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.40	U	1.60	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.40	U	2.60	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.40	U	2.80	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	49.5		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.2		38 - 136	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	219000	7.713			
540-36-3	1,4-Difluorobenzene	425000	8.616			
3114-55-4	Chlorobenzene-d5	386000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347			

Raw Data: **VY022162.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022162.D	1		05/05/25 16:18	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022162.D
Acq On : 05 May 2025 16:18
Operator : SY/MD
Sample : Q1956-01
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Quant Time: May 06 05:22:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	219011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	424575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	144961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112587	55.654	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.300%			
35) Dibromofluoromethane	7.634	113	147167	52.467	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.940%			
50) Toluene-d8	10.109	98	523177	49.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.940%			
62) 4-Bromofluorobenzene	12.408	95	146528	41.161	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.320%			
Target Compounds						Qvalue
68) m/p-Xylenes	11.621	106	7493	1.334	ug/l	99
69) o-Xylene	11.957	106	5554	1.073	ug/l	96

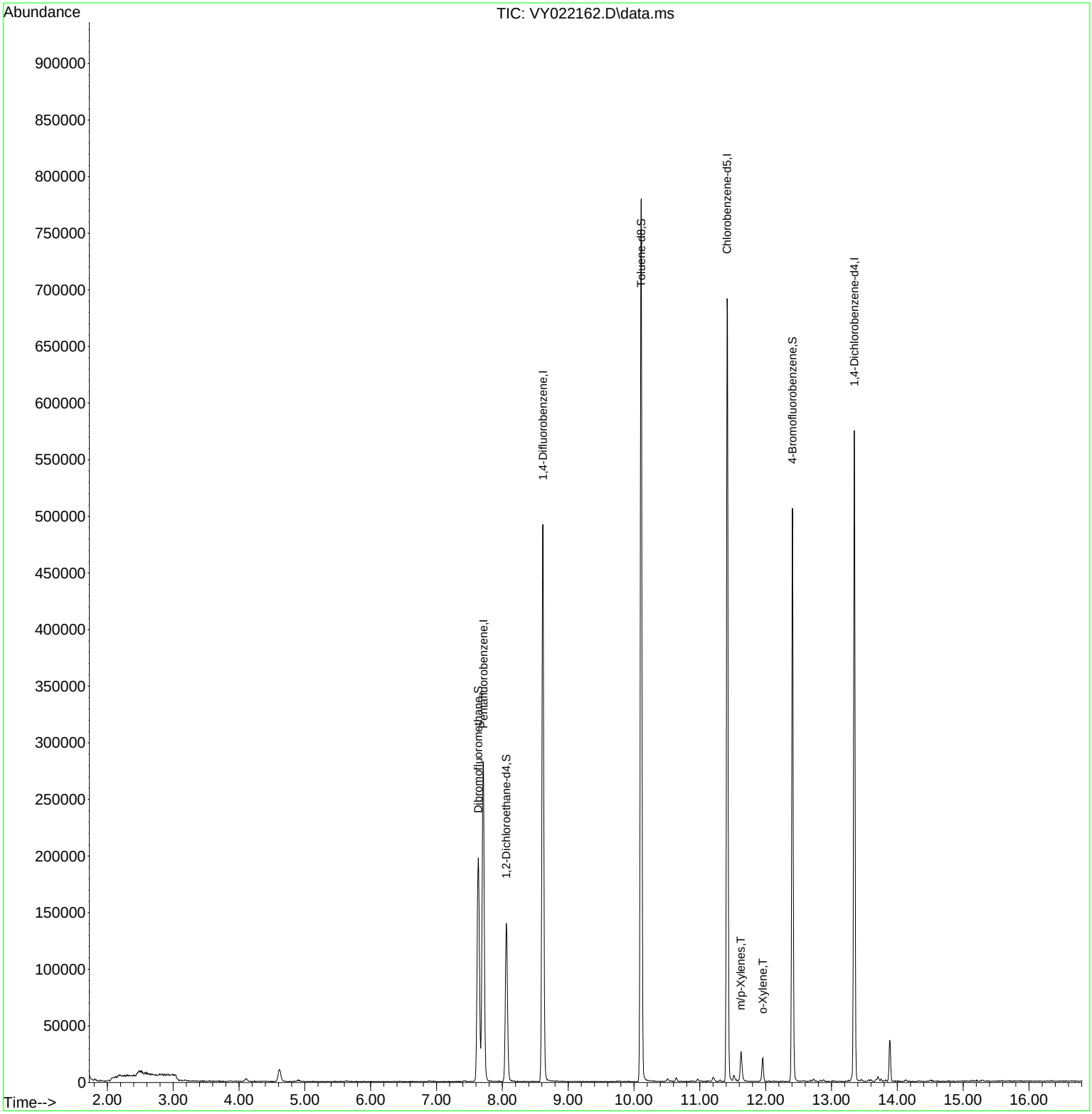
(#) = qualifier out of range (m) = manual integration (+) = signals summed

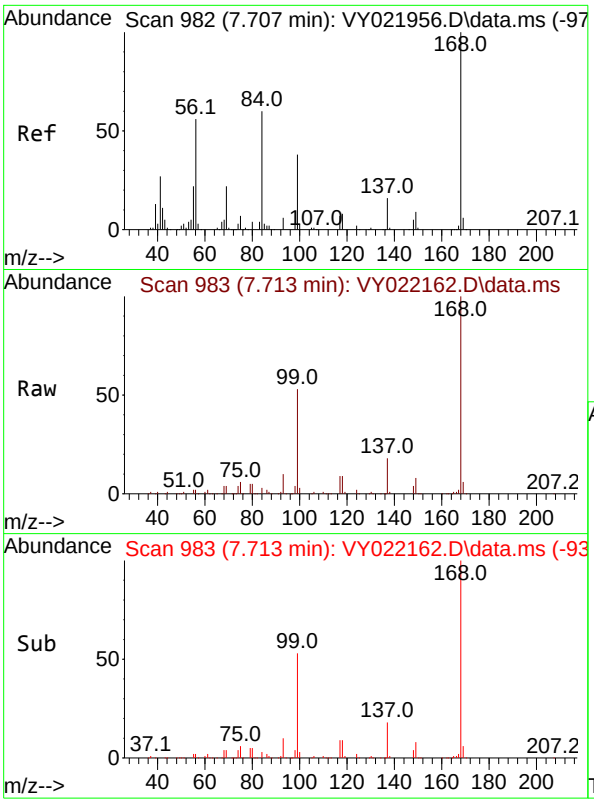
Sample Results: **VY022162.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022162.D
Acq On : 05 May 2025 16:18
Operator : SY/MD
Sample : Q1956-01
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Quant Time: May 06 05:22:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



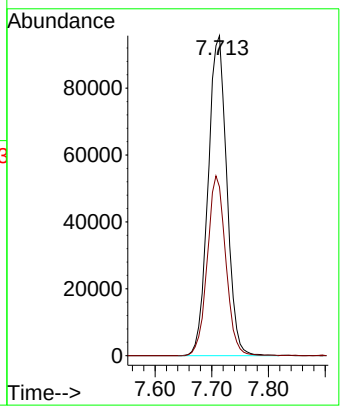


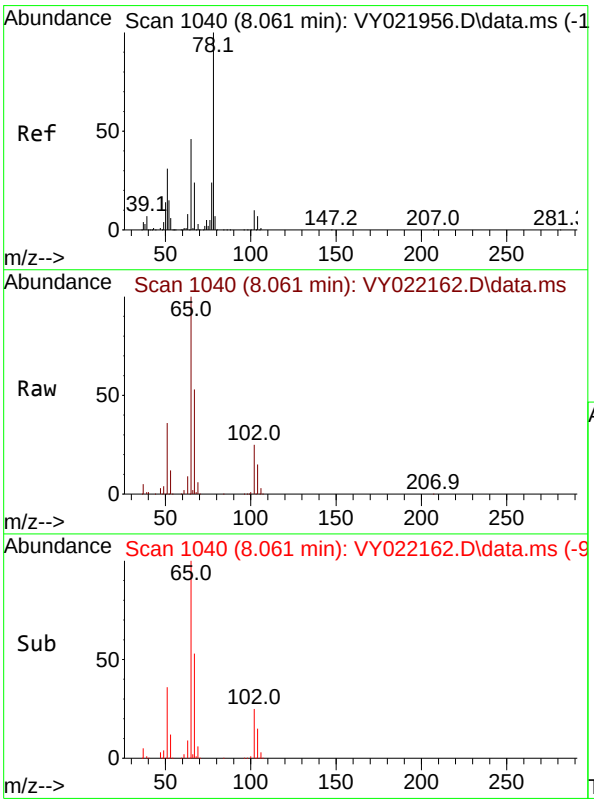
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Tgt Ion:168 Resp: 219011

Ion	Ratio	Lower	Upper
168	100		
99	52.7	43.1	64.7

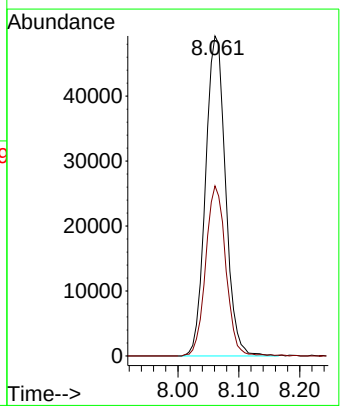


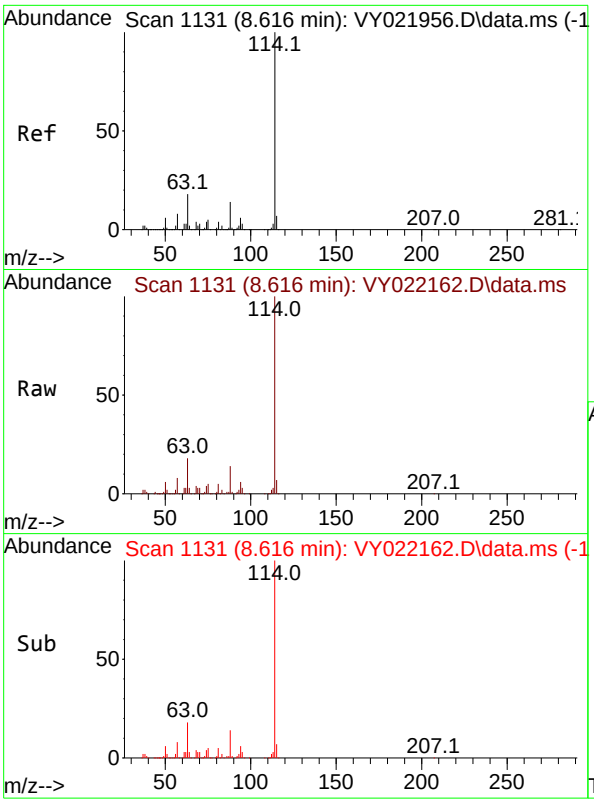


#33
1,2-Dichloroethane-d4
Concen: 55.654 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion: 65 Resp: 112587

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.8



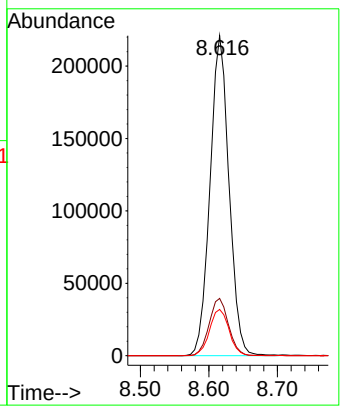


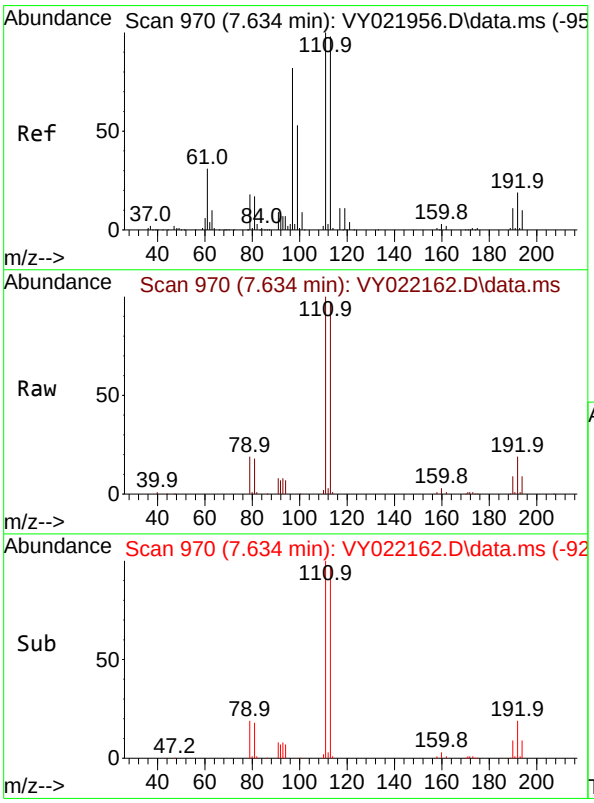
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Tgt Ion:114 Resp: 424575

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.4
88	14.5	0.0	28.2

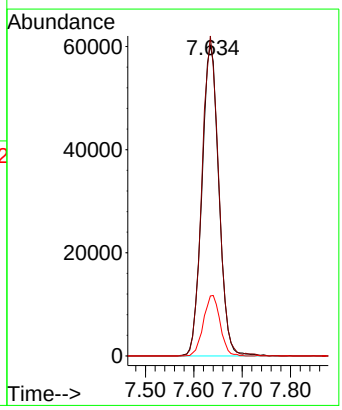


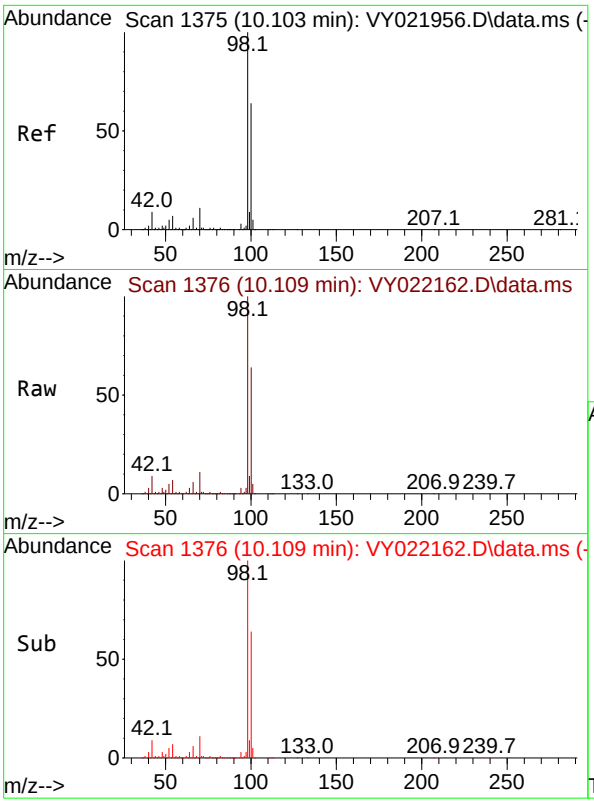


#35
Dibromofluoromethane
Concen: 52.467 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion:113 Resp: 147167

Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.8	122.8
192	19.1	15.6	23.4



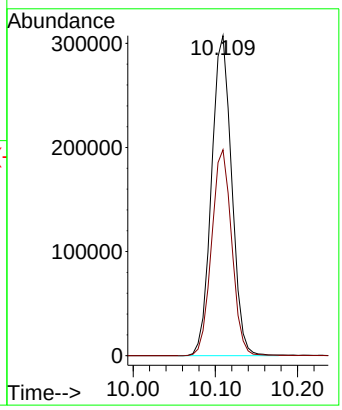


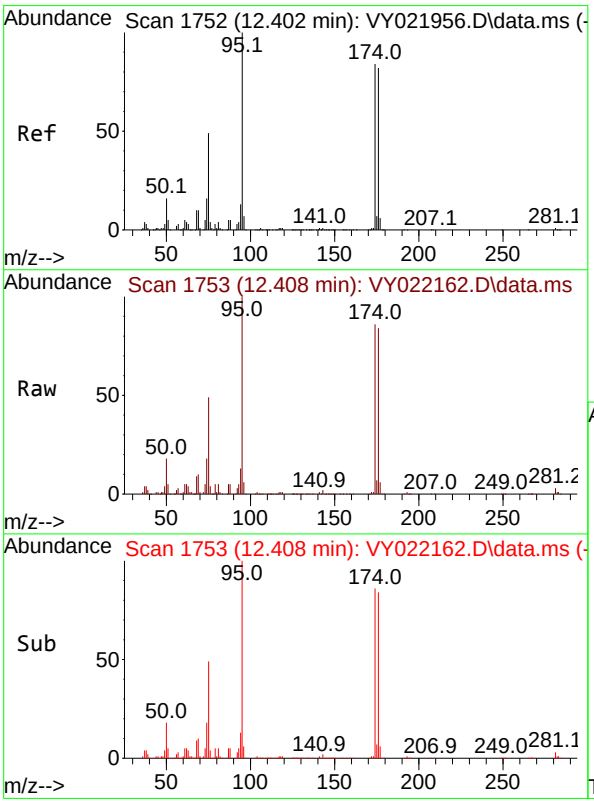
#50
Toluene-d8
Concen: 49.474 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Tgt Ion: 98 Resp: 523177

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

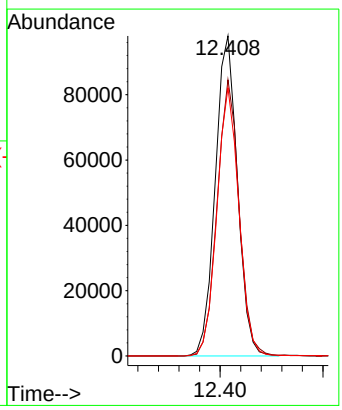


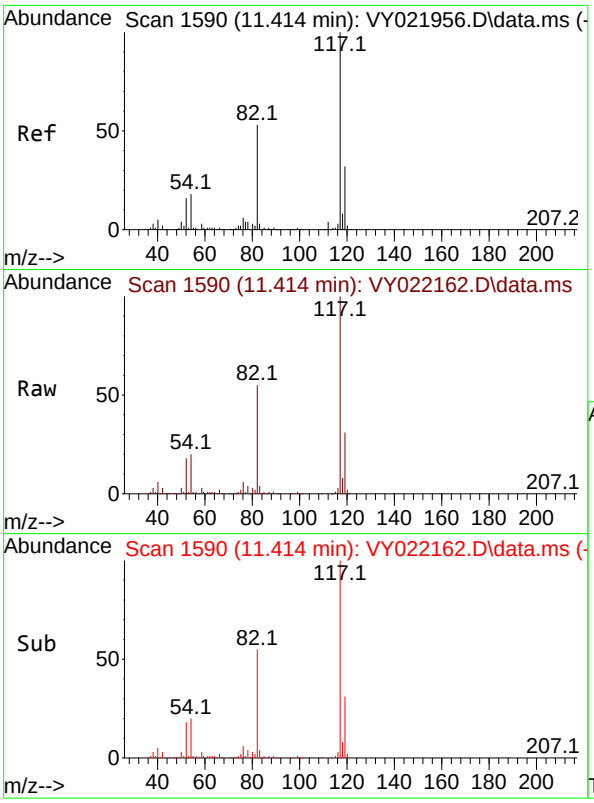


#62
4-Bromofluorobenzene
Concen: 41.161 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion: 95 Resp: 146528

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	179.0
176	83.2	0.0	171.8



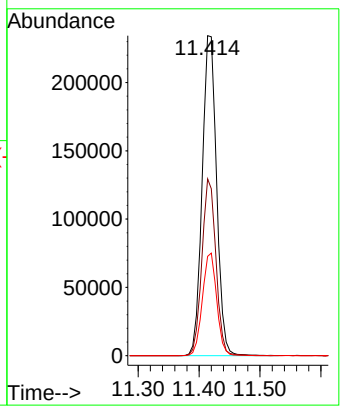


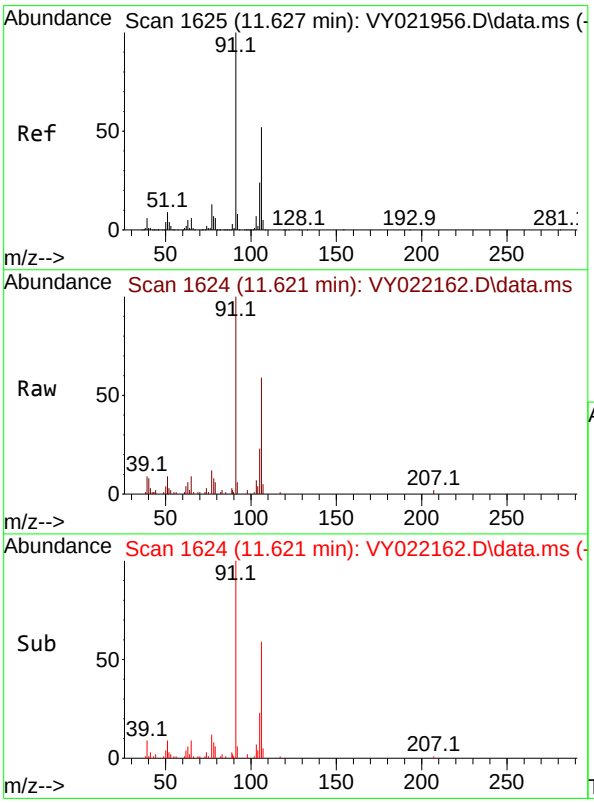
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Tgt Ion:117 Resp: 385973

Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.1	63.1
119	31.0	25.7	38.5

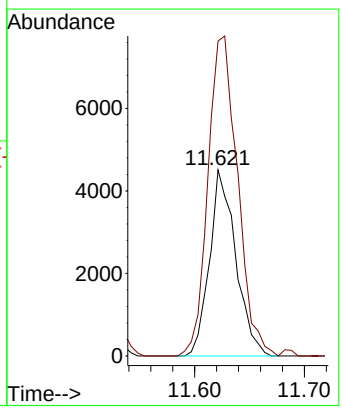


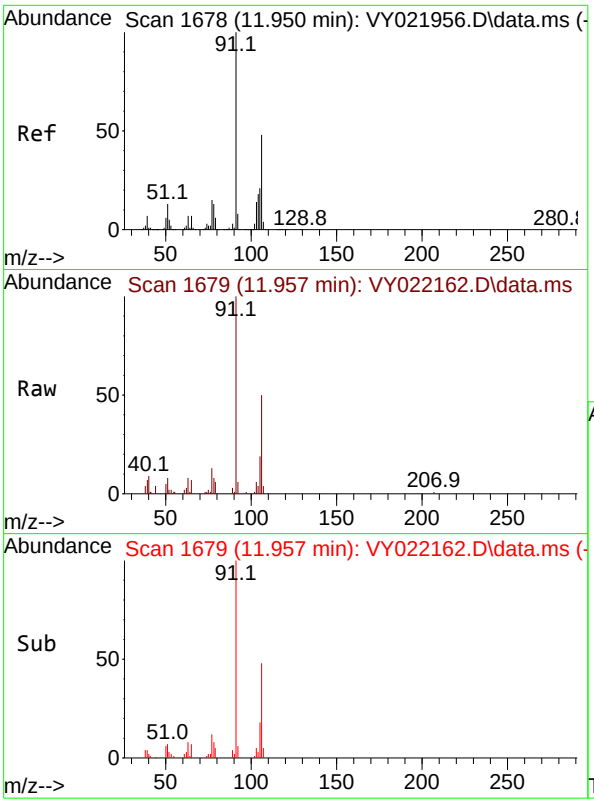


#68
m/p-Xylenes
Concen: 1.334 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion:106 Resp: 7493

Ion	Ratio	Lower	Upper
106	100		
91	194.1	156.2	234.2



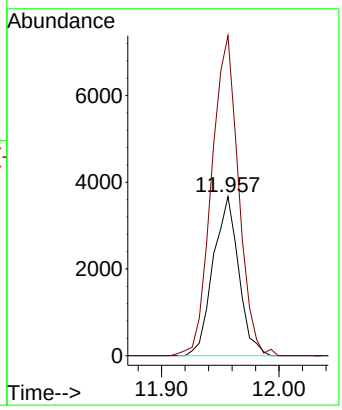


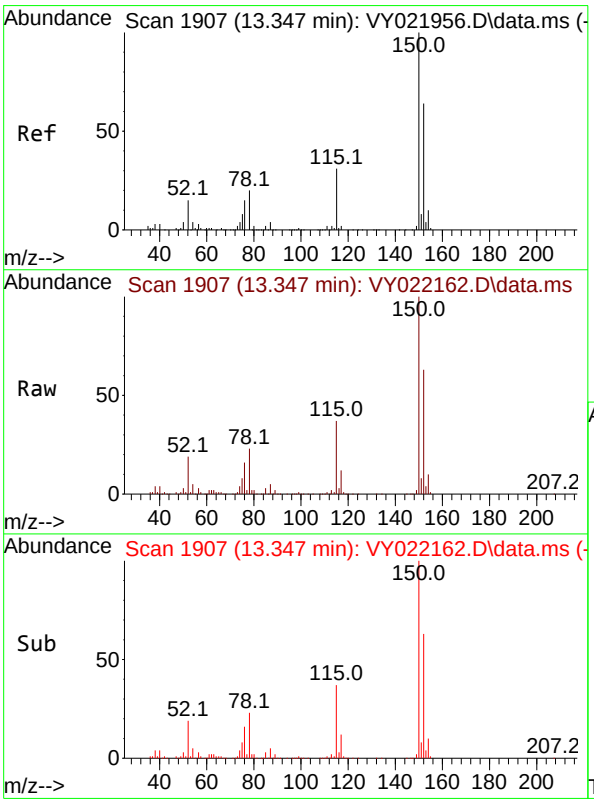
#69
o-Xylene
Concen: 1.073 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Tgt Ion:106 Resp: 5554

Ion	Ratio	Lower	Upper
106	100		
91	211.7	103.0	308.9

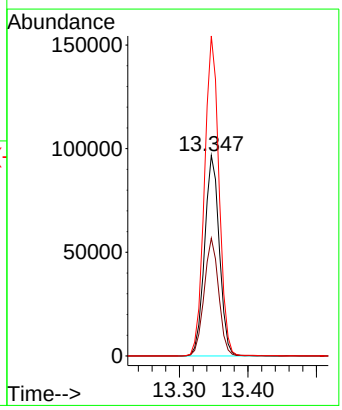




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion:152 Resp: 144961

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.0	84.0
150	156.9	0.0	345.6



Sample Results: **VY022162.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022162.D
Acq On : 05 May 2025 16:18
Operator : SY/MD
Sample : Q1956-01
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022162.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	464	474	483	rBV3	10545	31691	2.36%	0.473%
2	7.634	956	970	976	rBV2	197620	482822	35.99%	7.205%
3	7.707	976	982	997	rVB	282340	649118	48.38%	9.686%
4	8.061	1031	1040	1051	rBV	139732	315658	23.53%	4.710%
5	8.616	1122	1131	1142	rBV	492111	958969	71.48%	14.310%
6	10.109	1368	1376	1386	rBV	779805	1341624	100.00%	20.020%
7	11.414	1583	1590	1603	rBV	691467	1136487	84.71%	16.959%
8	11.627	1617	1625	1634	rBV	26191	51681	3.85%	0.771%
9	11.957	1669	1679	1684	rBV	21018	36254	2.70%	0.541%
10	12.408	1746	1753	1768	rBV	506241	776911	57.91%	11.593%
11	13.347	1896	1907	1916	rBV	574506	859714	64.08%	12.829%
12	13.883	1989	1995	2001	rBV	36088	60632	4.52%	0.905%

Sum of corrected areas: 6701561

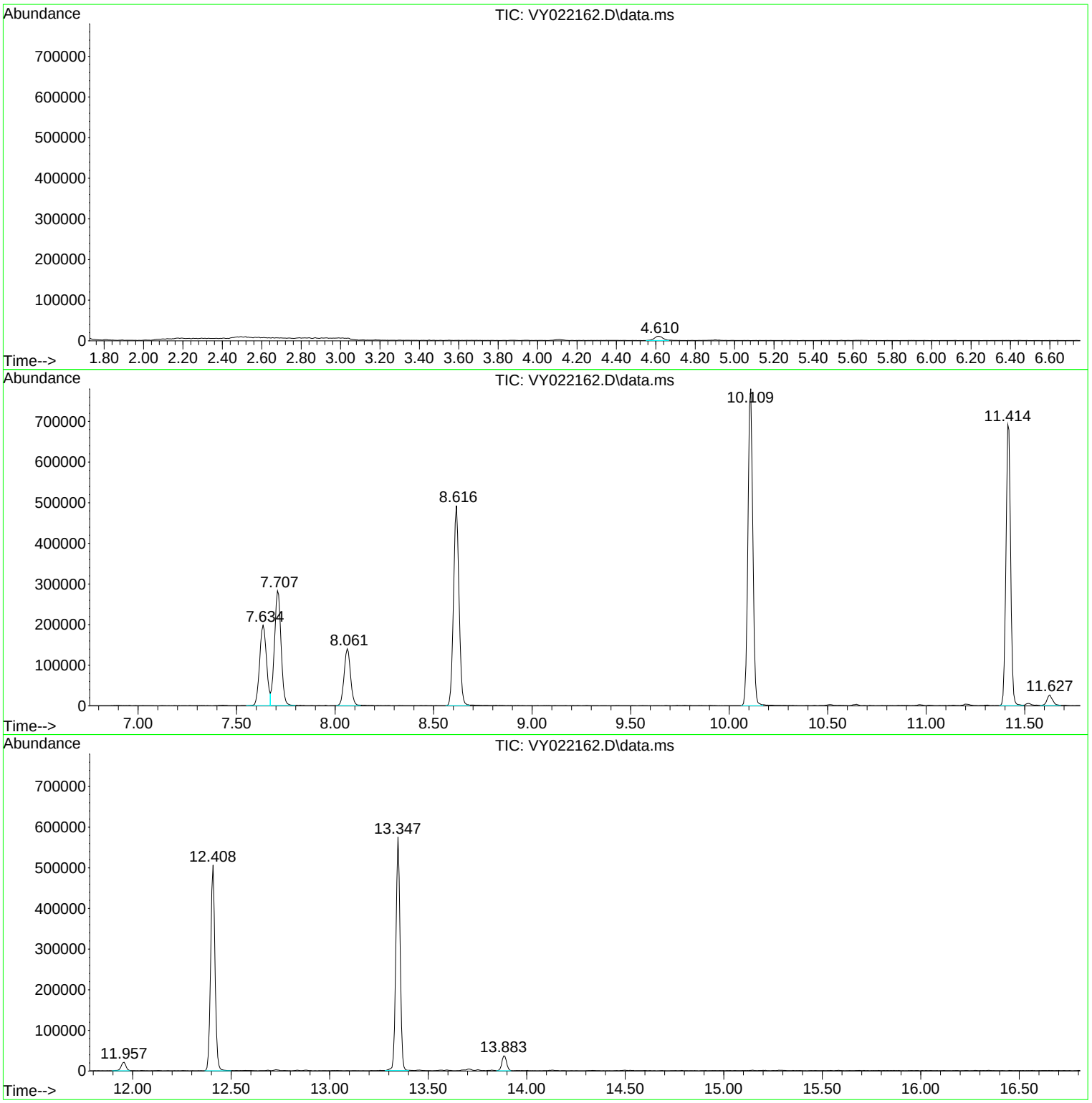
Sample Results: **VY022162.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022162.D
Acq On : 05 May 2025 16:18
Operator : SY/MD
Sample : Q1956-01
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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_Y\Data\VY050525\
Data File : VY022162.D
Acq On : 05 May 2025 16:18
Operator : SY/MD
Sample : Q1956-01
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022162.D
Acq On : 05 May 2025 16:18
Operator : SY/MD
Sample : Q1956-01
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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: **VY022163.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022163.D	1		05/05/25 16:42	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.80	U	1.10	4.80	ug/Kg
74-87-3	Chloromethane	4.80	U	1.10	4.80	ug/Kg
75-01-4	Vinyl Chloride	4.80	U	0.76	4.80	ug/Kg
74-83-9	Bromomethane	4.80	U	1.00	4.80	ug/Kg
75-00-3	Chloroethane	4.80	U	1.20	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	J	1.20	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.80	U	1.00	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	4.80	U	0.97	4.80	ug/Kg
67-64-1	Acetone	24.1	U	4.60	24.1	ug/Kg
75-15-0	Carbon Disulfide	1.00	J	1.00	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.80	U	0.70	4.80	ug/Kg
79-20-9	Methyl Acetate	4.80	U	1.50	4.80	ug/Kg
75-09-2	Methylene Chloride	4.50	J	3.40	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.80	U	0.83	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	4.80	U	0.77	4.80	ug/Kg
110-82-7	Cyclohexane	4.80	U	0.76	4.80	ug/Kg
78-93-3	2-Butanone	24.1	U	6.30	24.1	ug/Kg
56-23-5	Carbon Tetrachloride	4.80	U	0.94	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.80	U	0.72	4.80	ug/Kg
74-97-5	Bromochloromethane	4.80	U	1.10	4.80	ug/Kg
67-66-3	Chloroform	4.80	U	0.81	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.80	U	0.90	4.80	ug/Kg
108-87-2	Methylcyclohexane	4.80	U	0.88	4.80	ug/Kg
71-43-2	Benzene	4.80	U	0.76	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	4.80	U	0.76	4.80	ug/Kg
79-01-6	Trichloroethene	4.80	U	0.78	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	4.80	U	0.88	4.80	ug/Kg
75-27-4	Bromodichloromethane	4.80	U	0.75	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	24.1	U	3.50	24.1	ug/Kg
108-88-3	Toluene	4.80	U	0.75	4.80	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022163.D	1		05/05/25 16:42	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.80	U	0.63	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.80	U	0.60	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.80	U	0.89	4.80	ug/Kg
591-78-6	2-Hexanone	24.1	U	3.60	24.1	ug/Kg
124-48-1	Dibromochloromethane	4.80	U	0.84	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	4.80	U	0.85	4.80	ug/Kg
127-18-4	Tetrachloroethene	4.80	U	1.00	4.80	ug/Kg
108-90-7	Chlorobenzene	4.80	U	0.88	4.80	ug/Kg
100-41-4	Ethyl Benzene	4.80	U	0.65	4.80	ug/Kg
179601-23-1	m/p-Xylenes	9.70	U	1.20	9.70	ug/Kg
95-47-6	o-Xylene	4.80	U	0.79	4.80	ug/Kg
100-42-5	Styrene	4.80	U	0.69	4.80	ug/Kg
75-25-2	Bromoform	4.80	U	0.83	4.80	ug/Kg
98-82-8	Isopropylbenzene	4.80	U	0.75	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.80	U	1.20	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.80	U	1.70	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.80	U	1.50	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.80	U	1.40	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.80	U	1.80	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.80	U	2.90	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.80	U	3.10	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		63 - 155	113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.1		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	219000	7.707			
540-36-3	1,4-Difluorobenzene	427000	8.615			
3114-55-4	Chlorobenzene-d5	385000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			

Raw Data: **VY022163.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022163.D	1		05/05/25 16:42	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022163.D
Acq On : 05 May 2025 16:42
Operator : SY/MD
Sample : Q1956-02
Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Quant Time: May 06 05:22:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

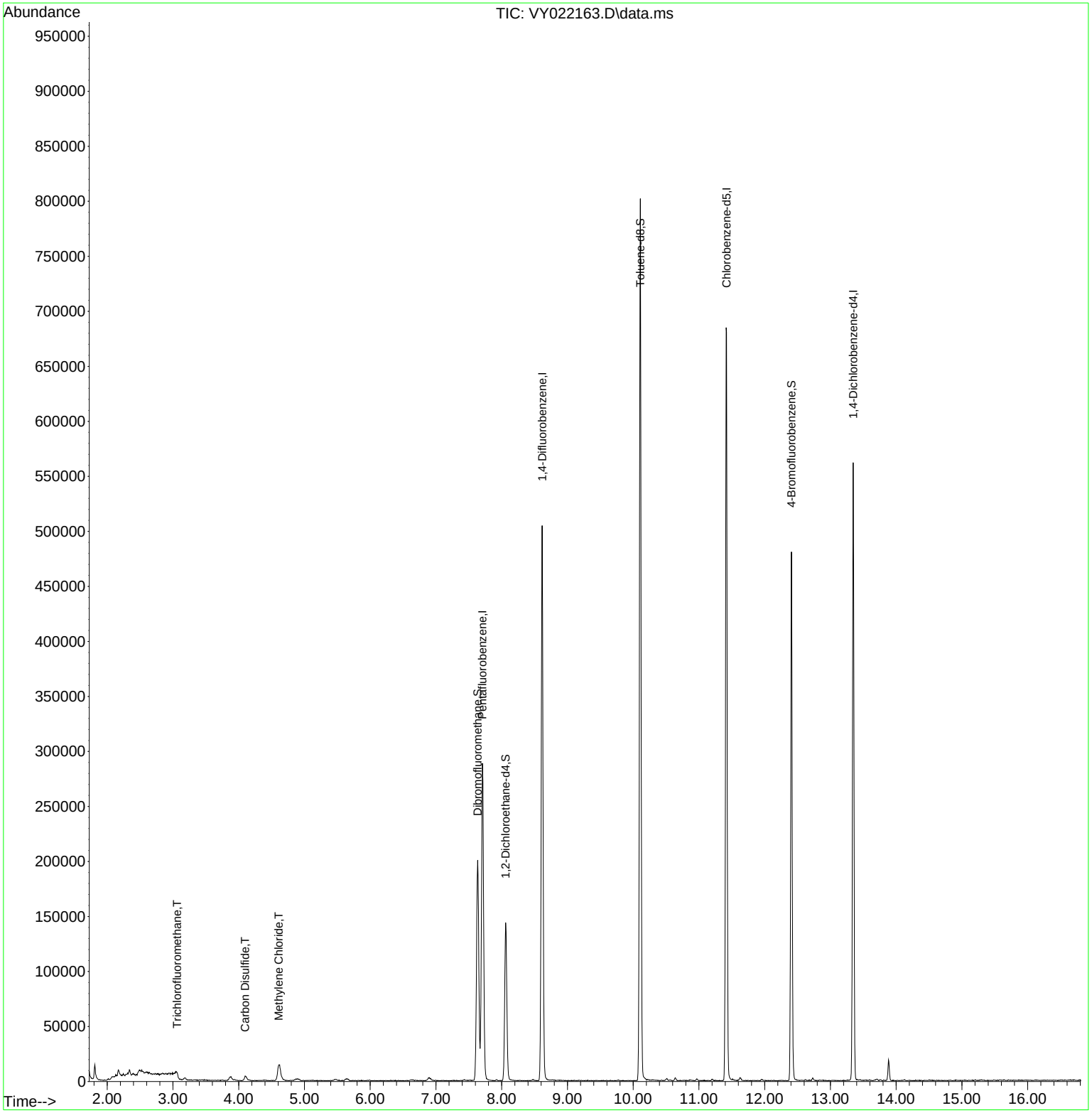
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	426674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	385317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	140796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114049	56.334	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.660%			
35) Dibromofluoromethane	7.634	113	145178	51.503	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.000%			
50) Toluene-d8	10.109	98	521278	49.052	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.100%			
62) 4-Bromofluorobenzene	12.407	95	141182	39.464	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.920%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.062	101	5678	1.318	ug/l	91
17) Carbon Disulfide	4.098	76	7554	1.087	ug/l	98
20) Methylene Chloride	4.610	84	12033	4.700	ug/l	92

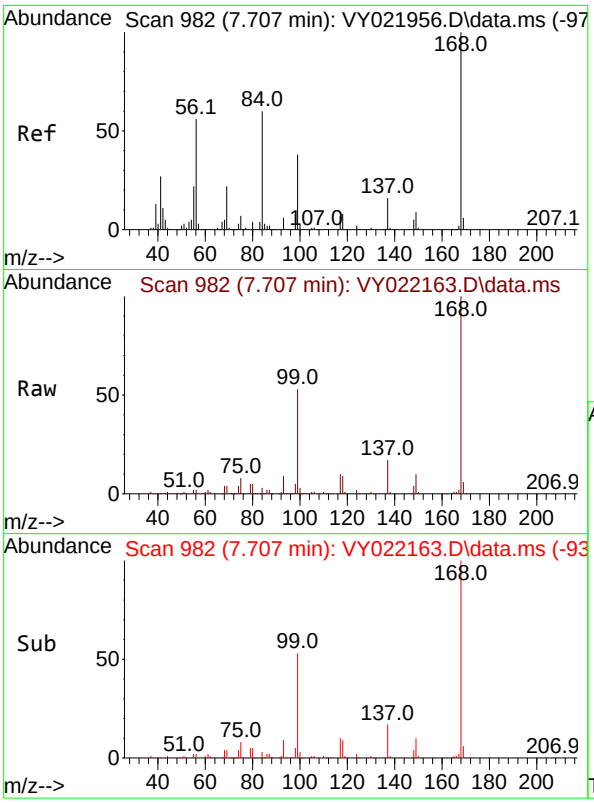
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022163.D
Acq On : 05 May 2025 16:42
Operator : SY/MD
Sample : Q1956-02
Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Quant Time: May 06 05:22:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



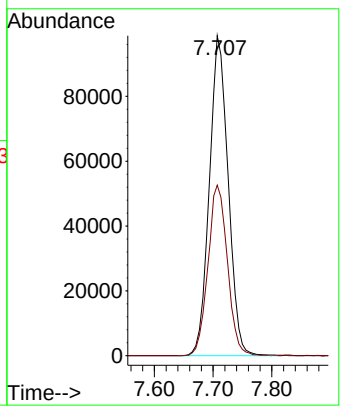


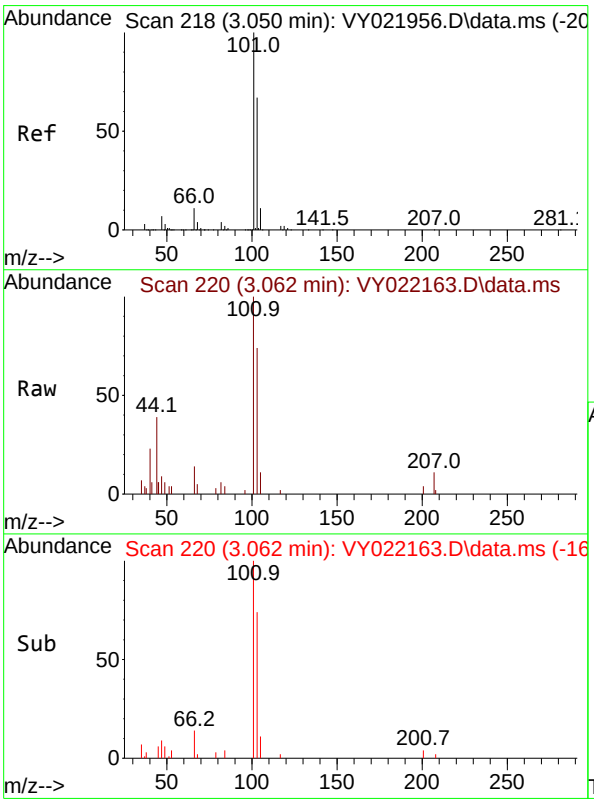
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Tgt Ion:168 Resp: 219179

Ion	Ratio	Lower	Upper
168	100		
99	53.3	43.1	64.7

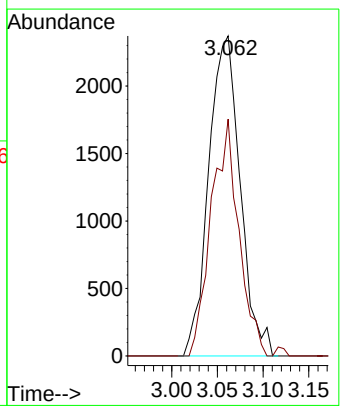


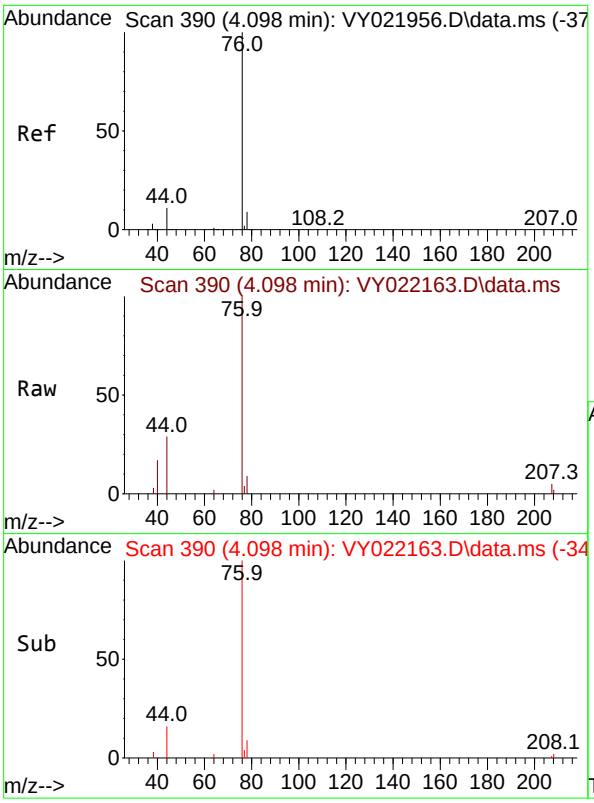


#7
Trichlorofluoromethane
Concen: 1.318 ug/l
RT: 3.062 min Scan# 220
Delta R.T. 0.012 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion:101 Resp: 5678

Ion	Ratio	Lower	Upper
101	100		
103	74.0	53.6	80.4



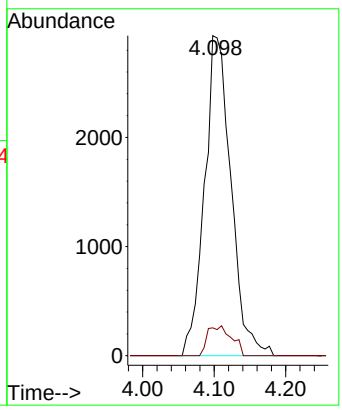


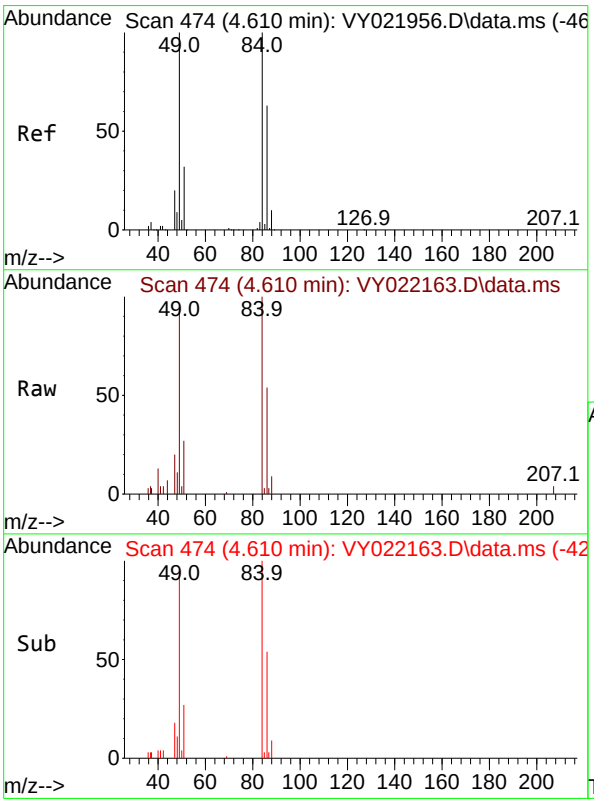
#17
Carbon Disulfide
Concen: 1.087 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Tgt Ion: 76 Resp: 7554

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.6	11.4

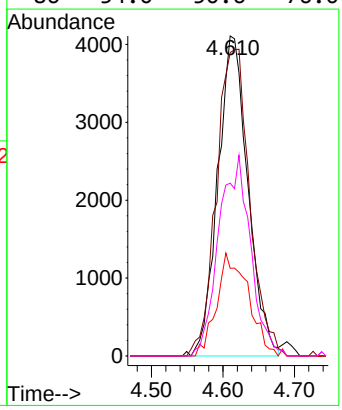


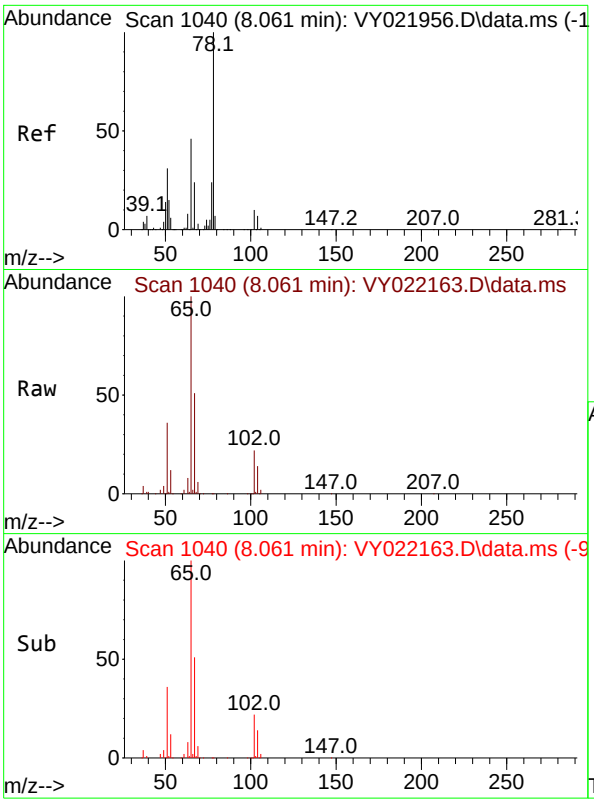


#20
Methylene Chloride
Concen: 4.700 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion: 84 Resp: 12033

Ion	Ratio	Lower	Upper
84	100		
49	94.8	79.9	119.9
51	27.4	25.4	38.0
86	54.0	50.6	76.0



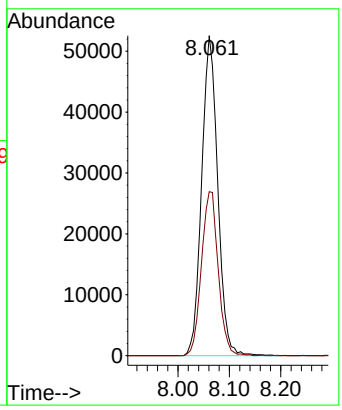


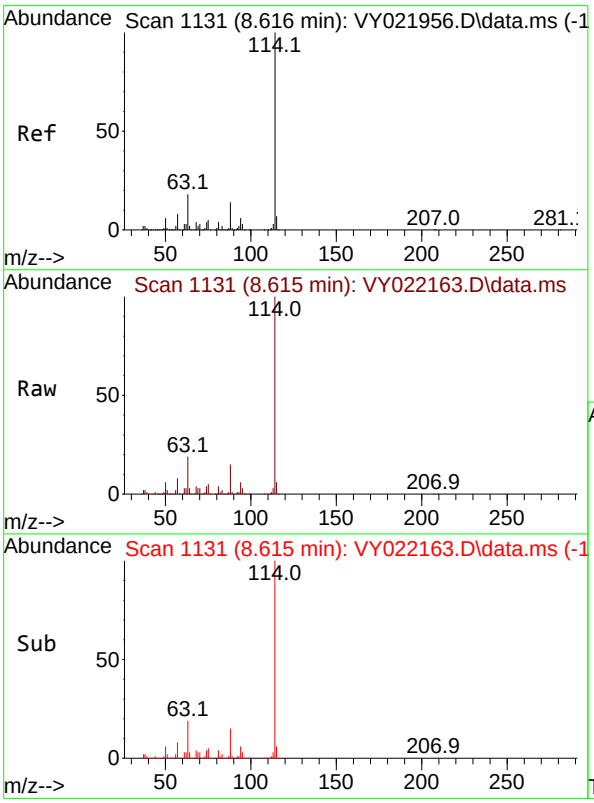
#33
1,2-Dichloroethane-d4
Concen: 56.334 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Tgt Ion: 65 Resp: 114049

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.8

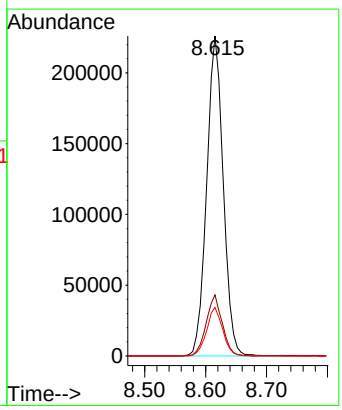


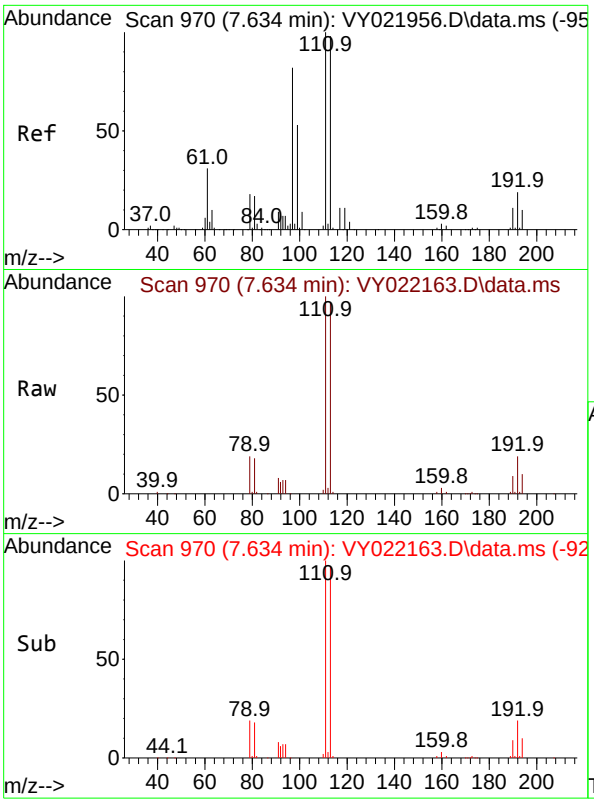


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion:114 Resp: 426674

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	35.4
88	15.1	0.0	28.2



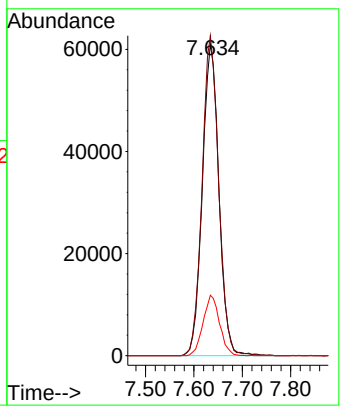


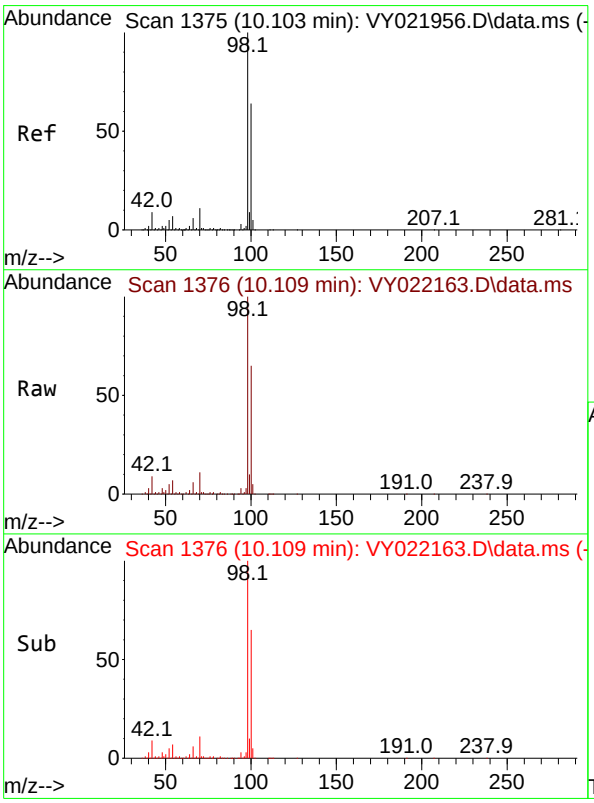
#35
Dibromofluoromethane
Concen: 51.503 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Tgt Ion:113 Resp: 145178

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	19.3	15.6	23.4

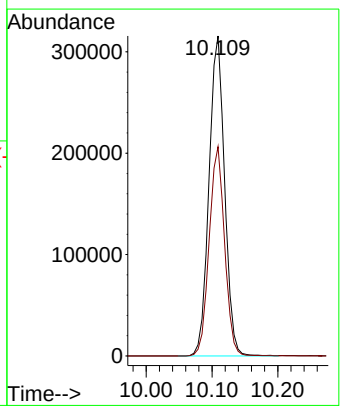


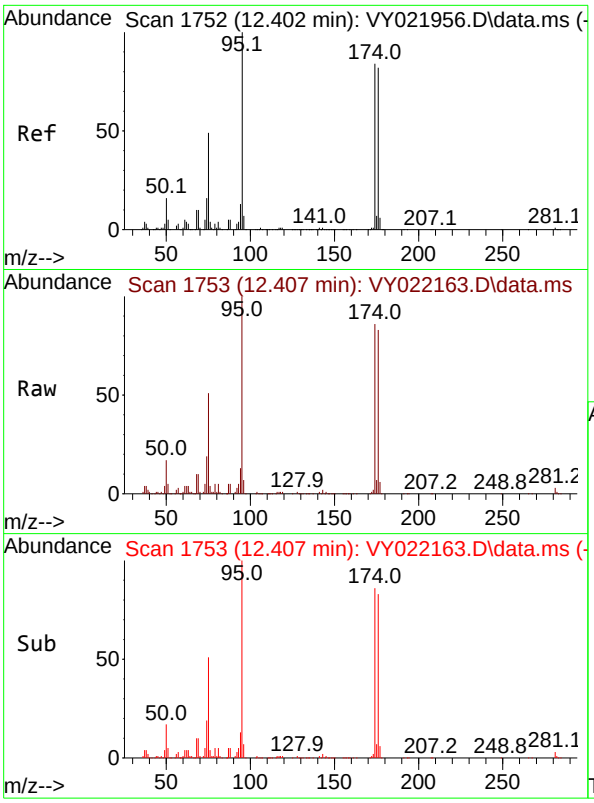


#50
Toluene-d8
Concen: 49.052 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion: 98 Resp: 521278

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4



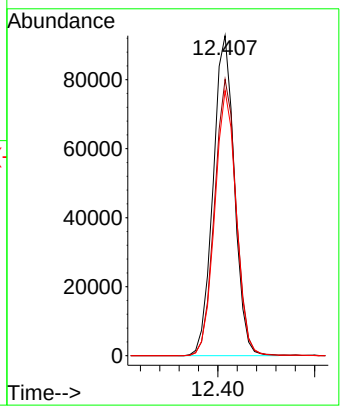


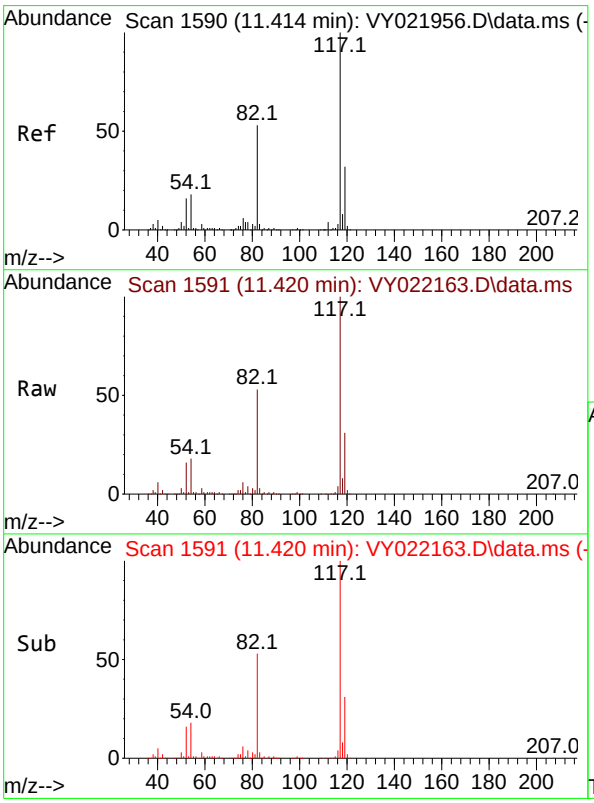
#62
4-Bromofluorobenzene
Concen: 39.464 ug/l
RT: 12.407 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Tgt Ion: 95 Resp: 141182

Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	179.0
176	83.8	0.0	171.8

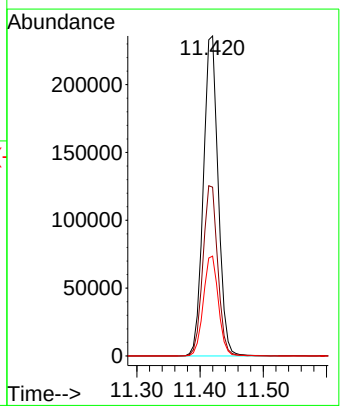


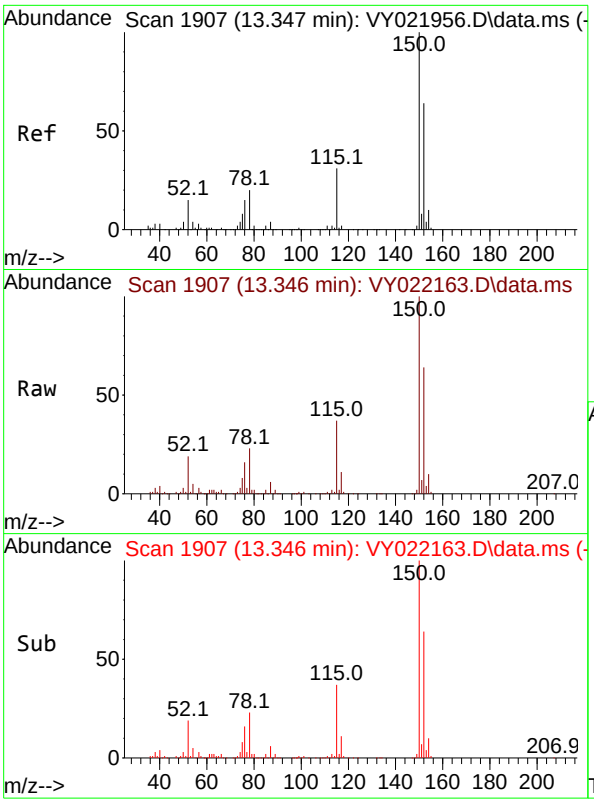


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion:117 Resp: 385317

Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.1	63.1
119	31.2	25.7	38.5



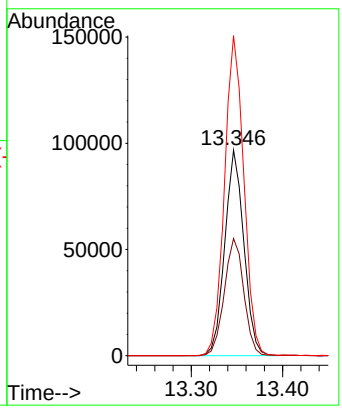


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Tgt Ion:152 Resp: 140796

Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.0	84.0
150	157.4	0.0	345.6



Sample Results: **VY022163.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022163.D
Acq On : 05 May 2025 16:42
Operator : SY/MD
Sample : Q1956-02
Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022163.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	25	rVB4	13733	22384	1.67%	0.340%
2	3.043	216	217	226	rVB2	7407	14913	1.11%	0.227%
3	4.622	464	476	490	rBV3	14311	49069	3.66%	0.746%
4	7.634	960	970	976	rBV	200016	477333	35.59%	7.257%
5	7.707	976	982	992	rVB	287023	644725	48.07%	9.802%
6	8.061	1031	1040	1052	rBV	143702	321918	24.00%	4.894%
7	8.615	1120	1131	1146	rBV	504517	959597	71.55%	14.589%
8	10.109	1368	1376	1391	rBV	801442	1341098	100.00%	20.390%
9	11.414	1582	1590	1605	rBV	684321	1135072	84.64%	17.257%
10	12.407	1745	1753	1763	rBV	480482	748382	55.80%	11.378%
11	13.346	1896	1907	1915	rBV	561529	834351	62.21%	12.685%
12	13.883	1990	1995	2003	rVB2	18833	28543	2.13%	0.434%

Sum of corrected areas: 6577385

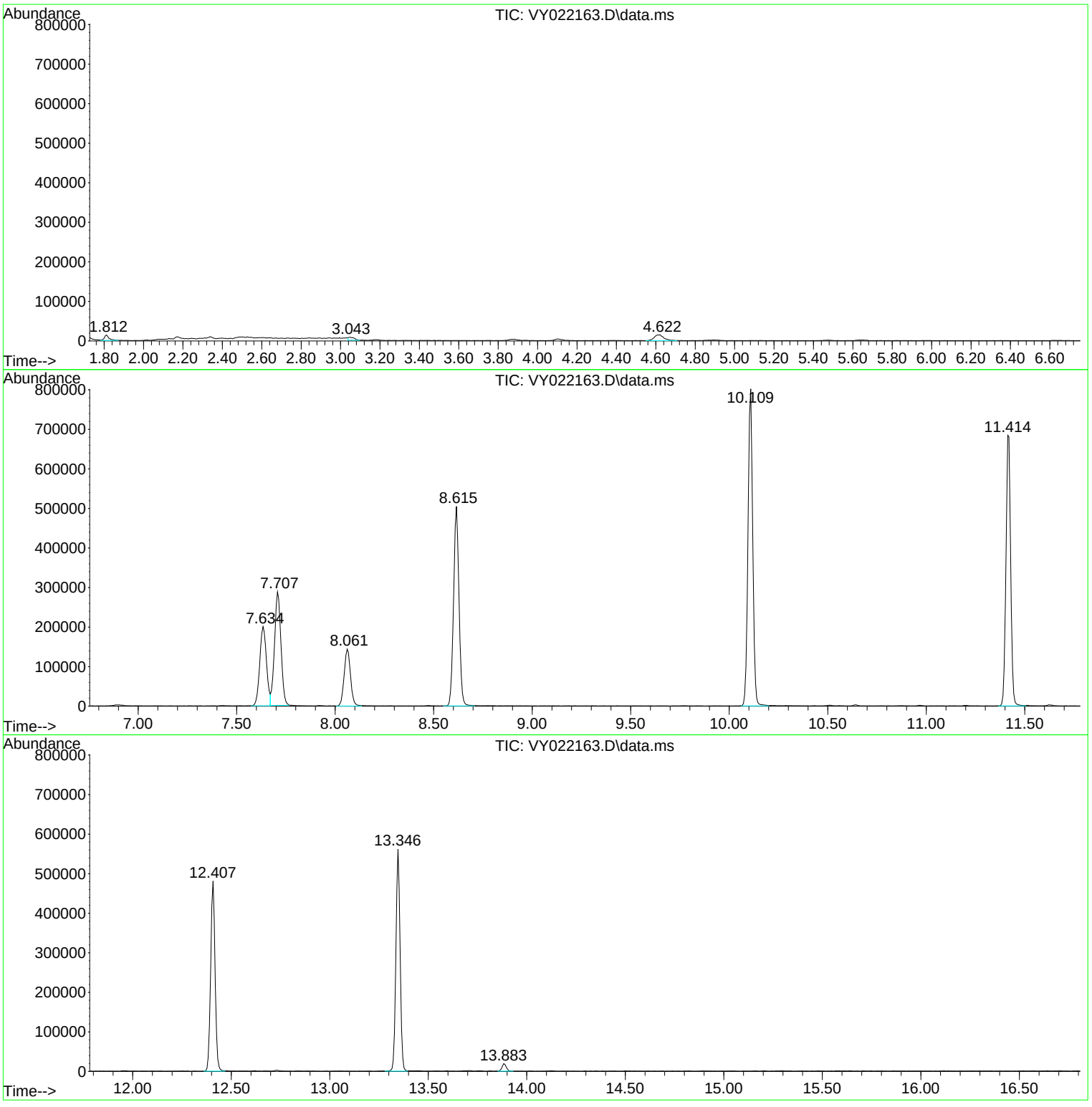
Sample Results: **VY022163.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022163.D
Acq On : 05 May 2025 16:42
Operator : SY/MD
Sample : Q1956-02
Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Sample Results: **VY022163.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022163.D
Acq On : 05 May 2025 16:42
Operator : SY/MD
Sample : Q1956-02
Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022163.D
Acq On : 05 May 2025 16:42
Operator : SY/MD
Sample : Q1956-02
Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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: **VY022164.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.2
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022164.D	1		05/05/25 17:05	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.50	U	1.00	4.50	ug/Kg
74-87-3	Chloromethane	4.50	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	4.50	U	0.71	4.50	ug/Kg
74-83-9	Bromomethane	4.50	U	0.96	4.50	ug/Kg
75-00-3	Chloroethane	4.50	U	1.10	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	4.50	U	1.10	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.50	U	0.96	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	4.50	U	0.90	4.50	ug/Kg
67-64-1	Acetone	22.5	U	4.30	22.5	ug/Kg
75-15-0	Carbon Disulfide	4.50	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.50	U	0.66	4.50	ug/Kg
79-20-9	Methyl Acetate	4.50	U	1.40	4.50	ug/Kg
75-09-2	Methylene Chloride	3.70	J	3.20	9.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.50	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	4.50	U	0.72	4.50	ug/Kg
110-82-7	Cyclohexane	4.50	U	0.71	4.50	ug/Kg
78-93-3	2-Butanone	22.5	U	5.90	22.5	ug/Kg
56-23-5	Carbon Tetrachloride	4.50	U	0.87	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.50	U	0.68	4.50	ug/Kg
74-97-5	Bromochloromethane	4.50	U	1.00	4.50	ug/Kg
67-66-3	Chloroform	4.50	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.50	U	0.84	4.50	ug/Kg
108-87-2	Methylcyclohexane	4.50	U	0.82	4.50	ug/Kg
71-43-2	Benzene	4.50	U	0.71	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	4.50	U	0.71	4.50	ug/Kg
79-01-6	Trichloroethene	4.50	U	0.73	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	4.50	U	0.82	4.50	ug/Kg
75-27-4	Bromodichloromethane	4.50	U	0.70	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	22.5	U	3.20	22.5	ug/Kg
108-88-3	Toluene	4.50	U	0.70	4.50	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.2
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022164.D	1		05/05/25 17:05	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.50	U	0.59	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.50	U	0.56	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.50	U	0.83	4.50	ug/Kg
591-78-6	2-Hexanone	22.5	U	3.30	22.5	ug/Kg
124-48-1	Dibromochloromethane	4.50	U	0.78	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	4.50	U	0.79	4.50	ug/Kg
127-18-4	Tetrachloroethene	4.50	U	0.95	4.50	ug/Kg
108-90-7	Chlorobenzene	4.50	U	0.82	4.50	ug/Kg
100-41-4	Ethyl Benzene	4.50	U	0.60	4.50	ug/Kg
179601-23-1	m/p-Xylenes	9.00	U	1.10	9.00	ug/Kg
95-47-6	o-Xylene	4.50	U	0.74	4.50	ug/Kg
100-42-5	Styrene	4.50	U	0.64	4.50	ug/Kg
75-25-2	Bromoform	4.50	U	0.78	4.50	ug/Kg
98-82-8	Isopropylbenzene	4.50	U	0.70	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.50	U	1.10	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.50	U	1.50	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.50	U	1.40	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.50	U	1.30	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.50	U	1.70	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.50	U	2.70	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.50	U	2.90	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		63 - 155	114%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.4		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.3		38 - 136	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	7.707			
540-36-3	1,4-Difluorobenzene	423000	8.616			
3114-55-4	Chlorobenzene-d5	385000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.347			

Raw Data: **VY022164.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.2
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022164.D	1		05/05/25 17:05	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022164.D
Acq On : 05 May 2025 17:05
Operator : SY/MD
Sample : Q1956-06
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

Quant Time: May 06 05:23:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

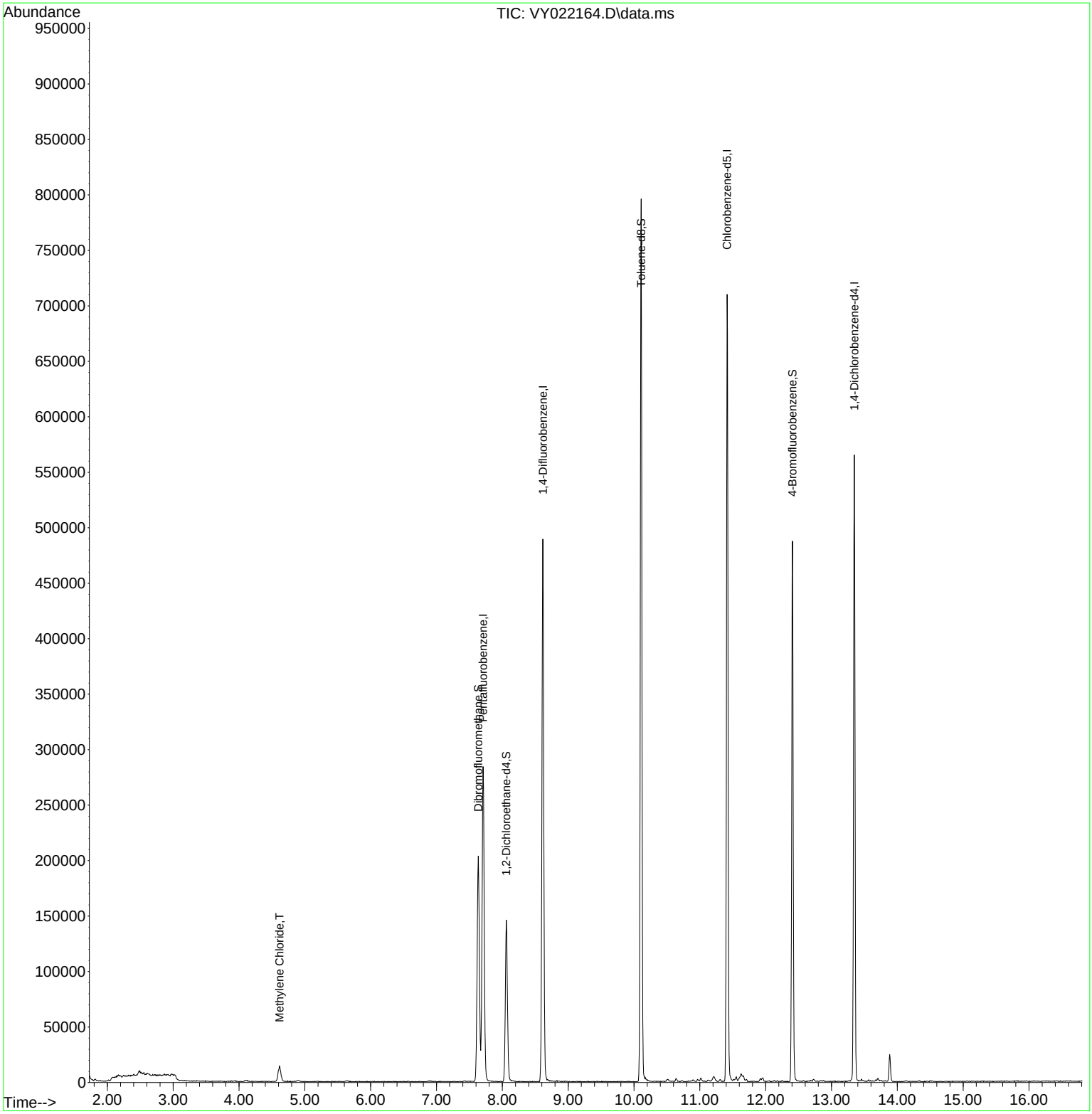
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	214691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	422744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	143859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112650	56.806	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.620%			
35) Dibromofluoromethane	7.634	113	143007	51.204	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.400%			
50) Toluene-d8	10.109	98	519895	49.377	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.760%			
62) 4-Bromofluorobenzene	12.408	95	150082	42.342	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.680%			
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	10335	4.122	ug/l	98

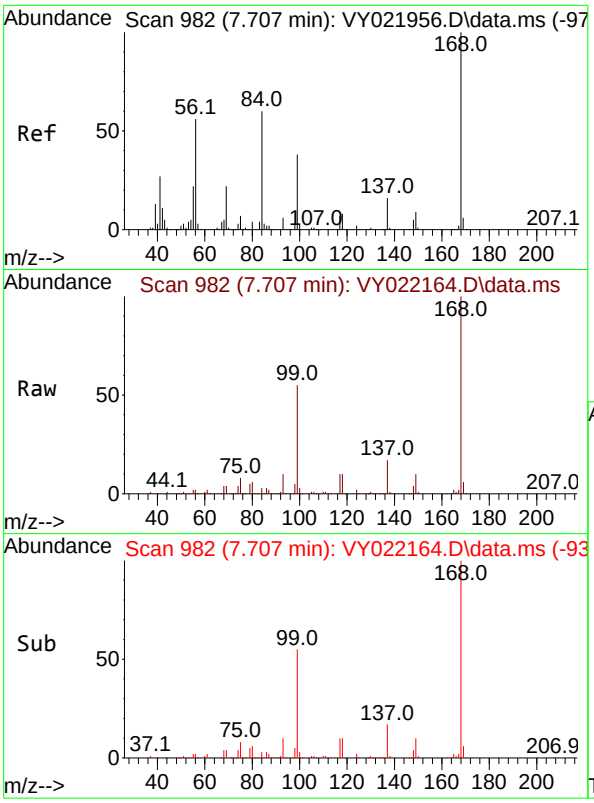
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022164.D
Acq On : 05 May 2025 17:05
Operator : SY/MD
Sample : Q1956-06
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

Quant Time: May 06 05:23:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



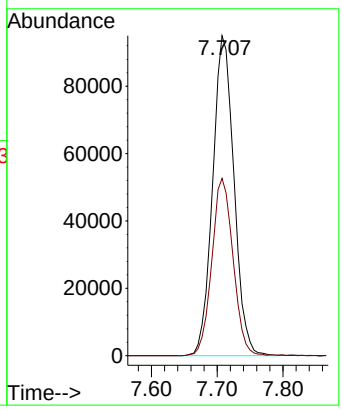


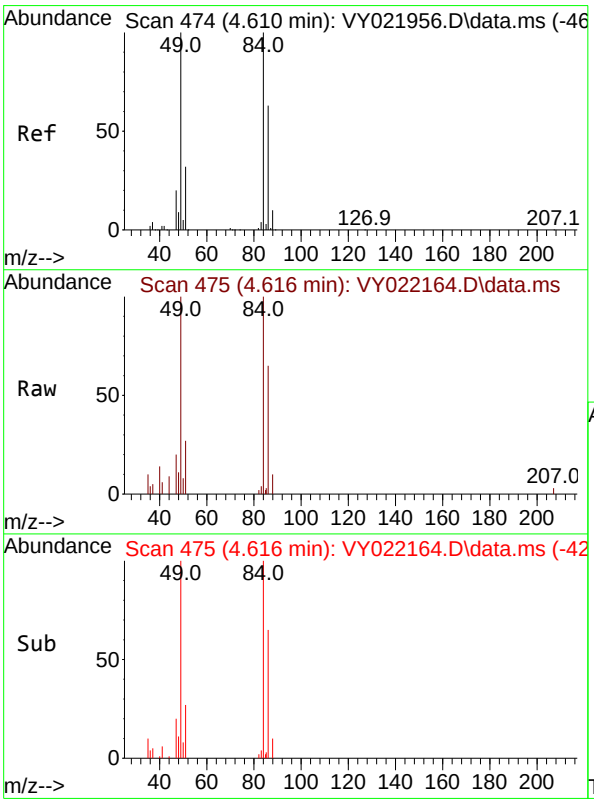
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

Tgt Ion:168 Resp: 214691

Ion	Ratio	Lower	Upper
168	100		
99	55.4	43.1	64.7

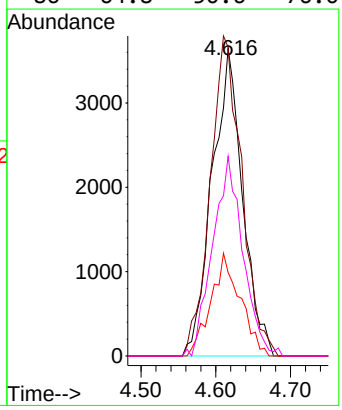


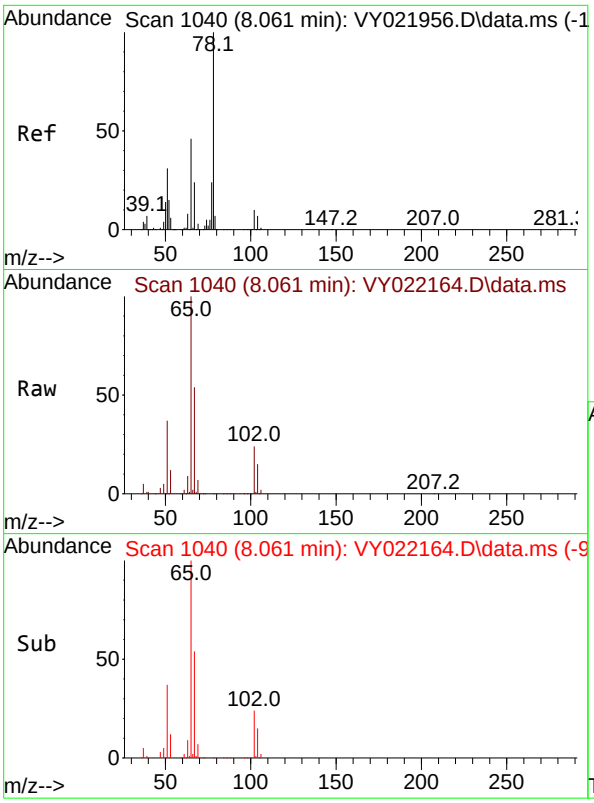


#20
Methylene Chloride
Concen: 4.122 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Tgt Ion: 84 Resp: 10335

Ion	Ratio	Lower	Upper
84	100		
49	100.3	79.9	119.9
51	27.1	25.4	38.0
86	64.8	50.6	76.0



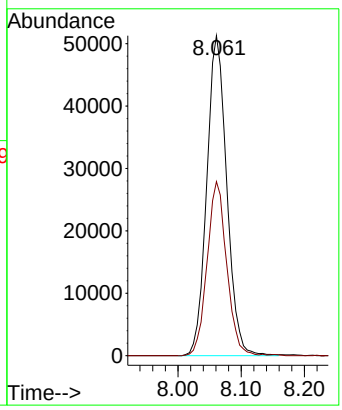


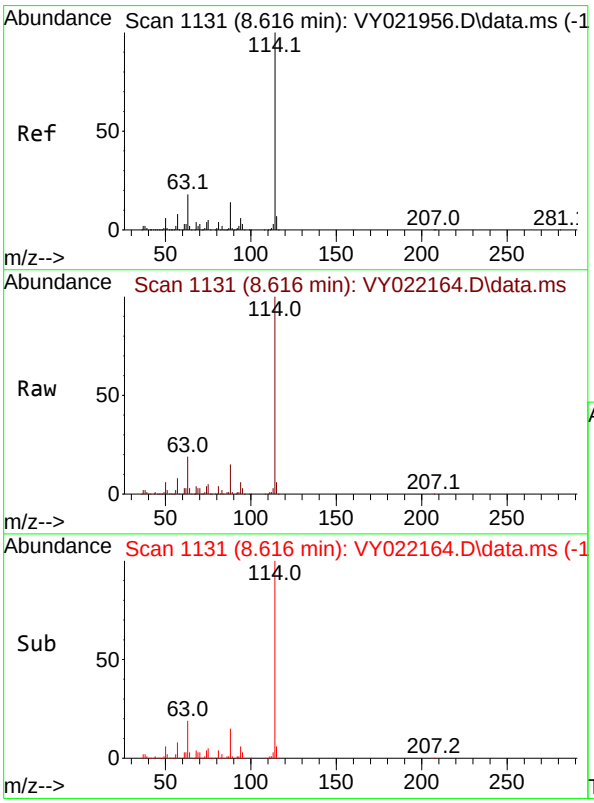
#33
1,2-Dichloroethane-d4
Concen: 56.806 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

Tgt Ion: 65 Resp: 112650

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8

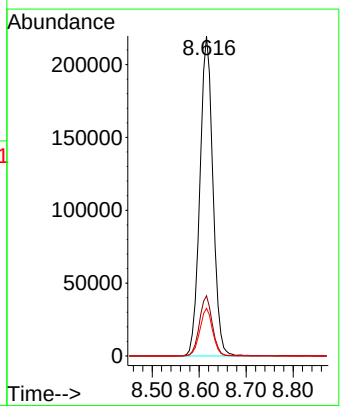


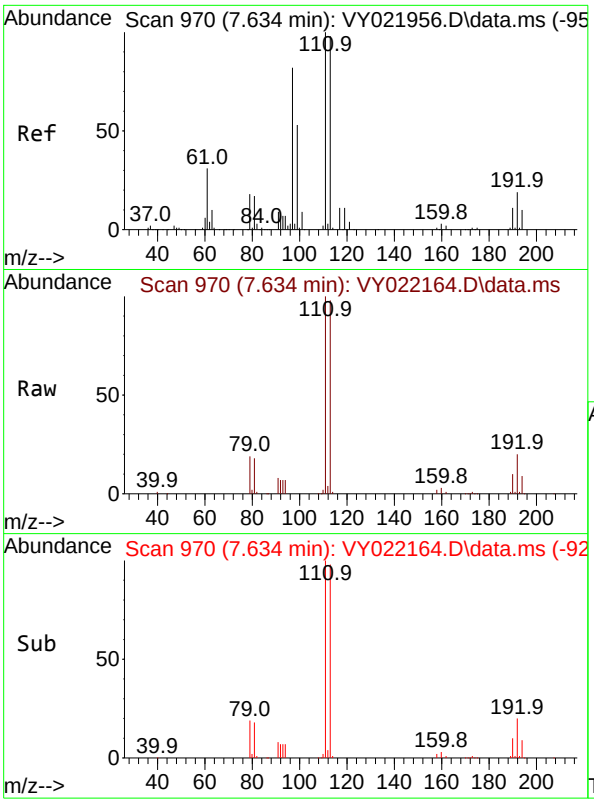


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Tgt Ion:114 Resp: 422744

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	35.4
88	14.9	0.0	28.2



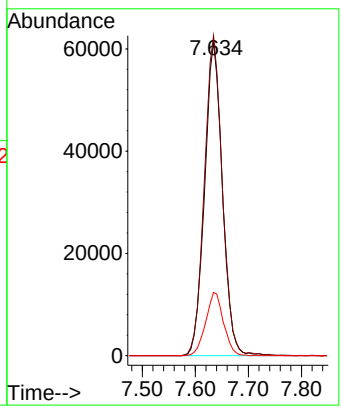


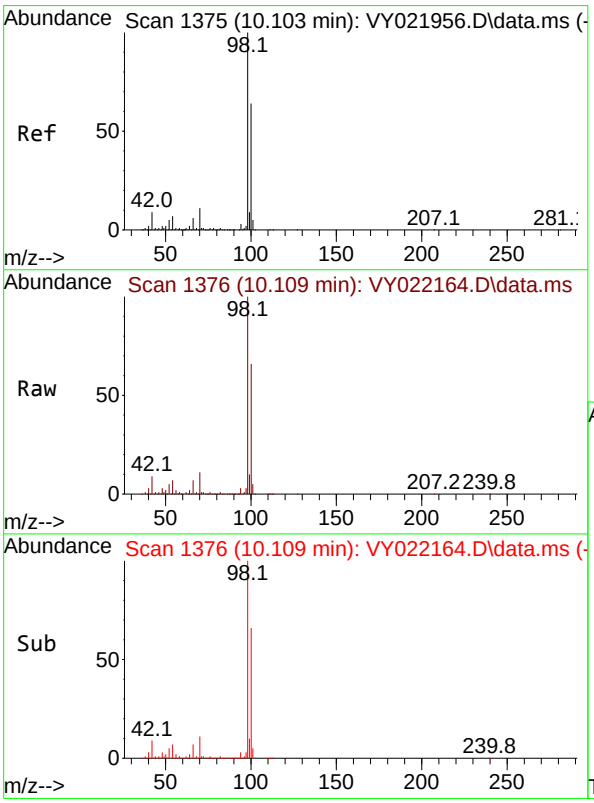
#35
Dibromofluoromethane
Concen: 51.204 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

Tgt Ion:113 Resp: 143007

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	20.2	15.6	23.4

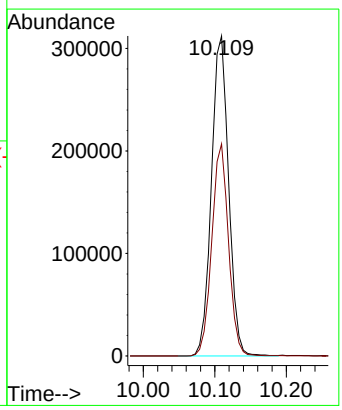


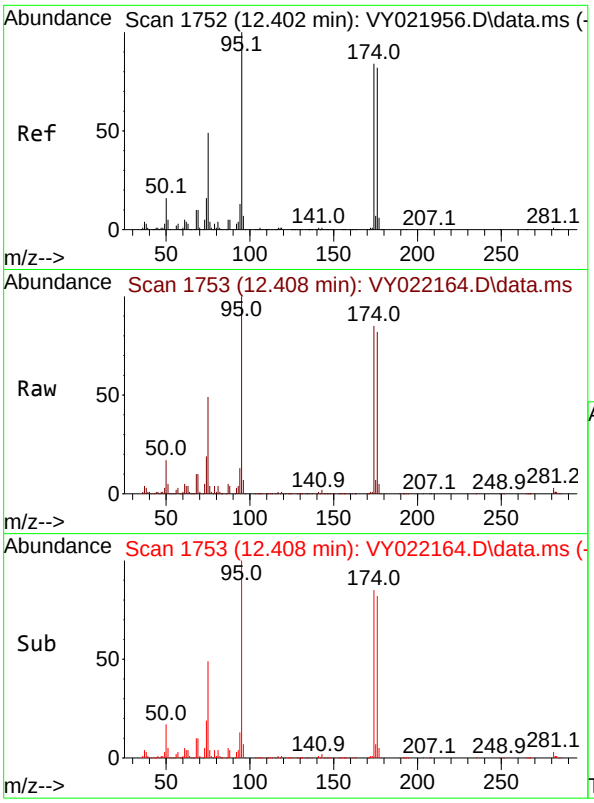


#50
Toluene-d8
Concen: 49.377 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Tgt Ion: 98 Resp: 519895

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4



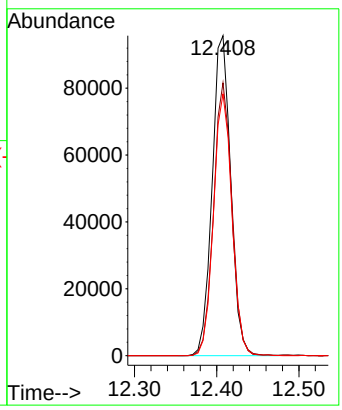


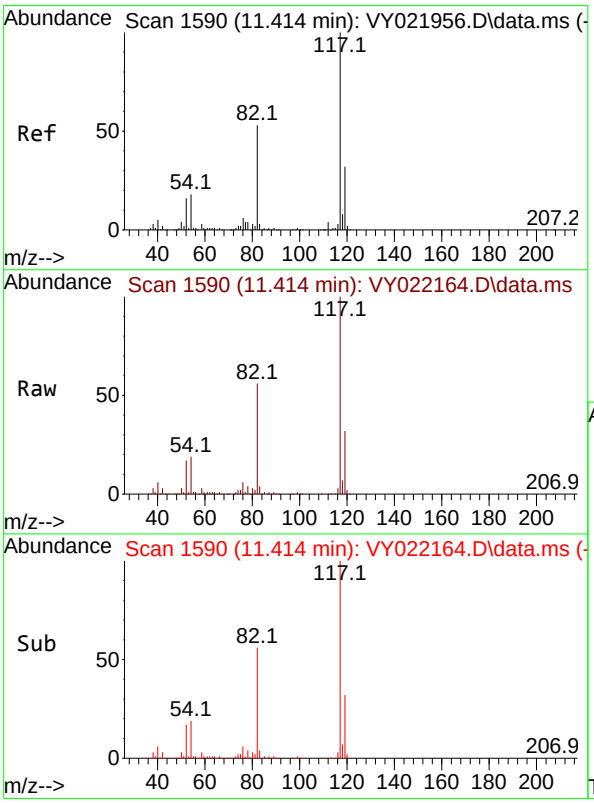
#62
4-Bromofluorobenzene
Concen: 42.342 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

Tgt Ion: 95 Resp: 150082

Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	179.0
176	81.0	0.0	171.8

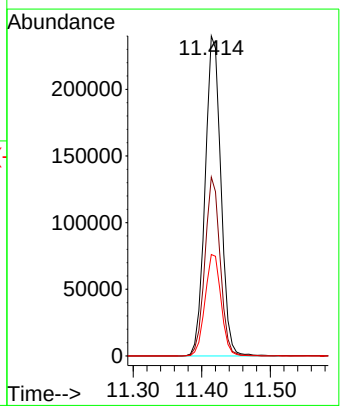


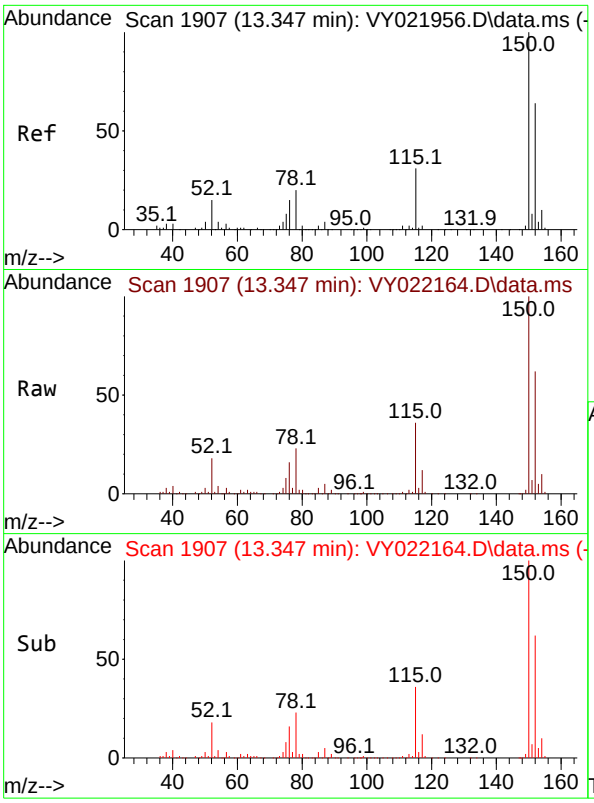


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Tgt Ion:117 Resp: 385176

Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.1	63.1
119	31.7	25.7	38.5



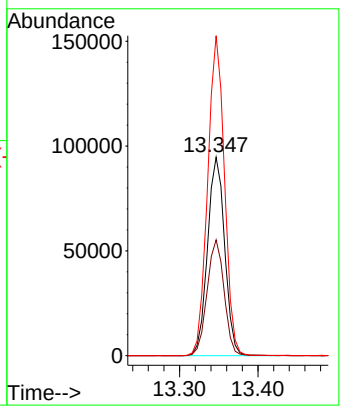


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

Tgt Ion:152 Resp: 143859

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.0	84.0
150	157.9	0.0	345.6



Sample Results: **VY022164.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022164.D
Acq On : 05 May 2025 17:05
Operator : SY/MD
Sample : Q1956-06
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022164.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	462	475	488	rBV2	13818	41109	3.09%	0.624%
2	7.634	959	970	976	rBV2	203299	476958	35.81%	7.240%
3	7.707	976	982	995	rVB	283443	638527	47.94%	9.693%
4	8.061	1030	1040	1053	rBV	145717	320745	24.08%	4.869%
5	8.616	1122	1131	1141	rBV	489131	946607	71.07%	14.370%
6	10.109	1368	1376	1385	rBV	795392	1331998	100.00%	20.220%
7	11.414	1583	1590	1603	rBV	709326	1139885	85.58%	17.304%
8	11.627	1617	1625	1628	rBV6	6000	14215	1.07%	0.216%
9	12.408	1745	1753	1764	rBV	487170	780993	58.63%	11.856%
10	13.347	1897	1907	1918	rBV	564526	856357	64.29%	13.000%
11	13.883	1989	1995	2004	rVB2	24419	40174	3.02%	0.610%

Sum of corrected areas: 6587568

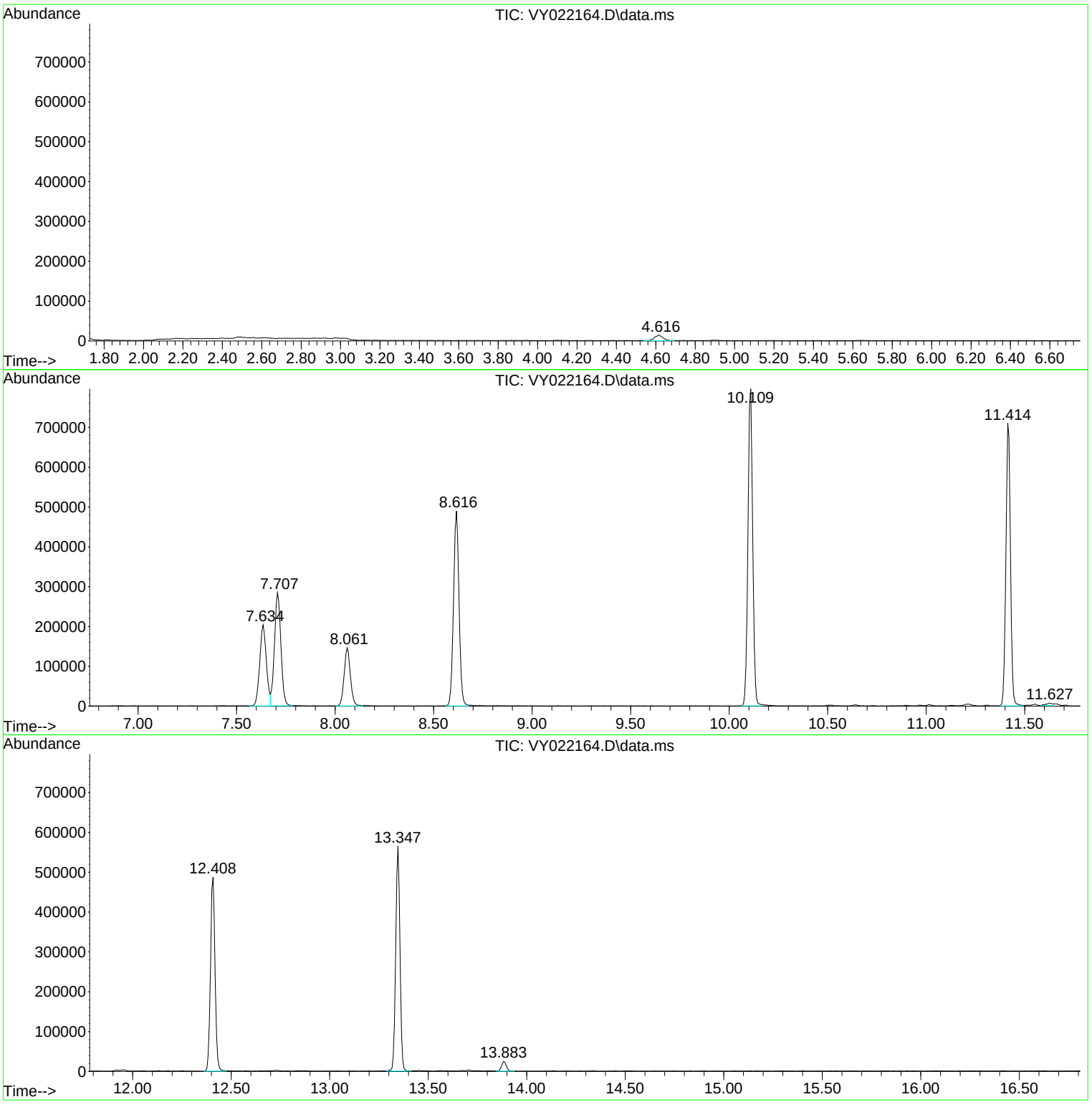
Sample Results: **VY022164.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022164.D
Acq On : 05 May 2025 17:05
Operator : SY/MD
Sample : Q1956-06
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022164.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022164.D
Acq On : 05 May 2025 17:05
Operator : SY/MD
Sample : Q1956-06
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022164.D
Acq On : 05 May 2025 17:05
Operator : SY/MD
Sample : Q1956-06
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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: **VN086488.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086488.D	1		05/05/25 16:00	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

Raw Data: **VN086488.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086488.D	1		05/05/25 16:00	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	60.2		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	8.224			
540-36-3	1,4-Difluorobenzene	273000	9.1			
3114-55-4	Chlorobenzene-d5	256000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788			

Raw Data: **VN086488.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086488.D	1		05/05/25 16:00	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086488.D
Acq On : 05 May 2025 16:00
Operator : JC\MD
Sample : Q1956-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

Quant Time: May 06 01:45:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

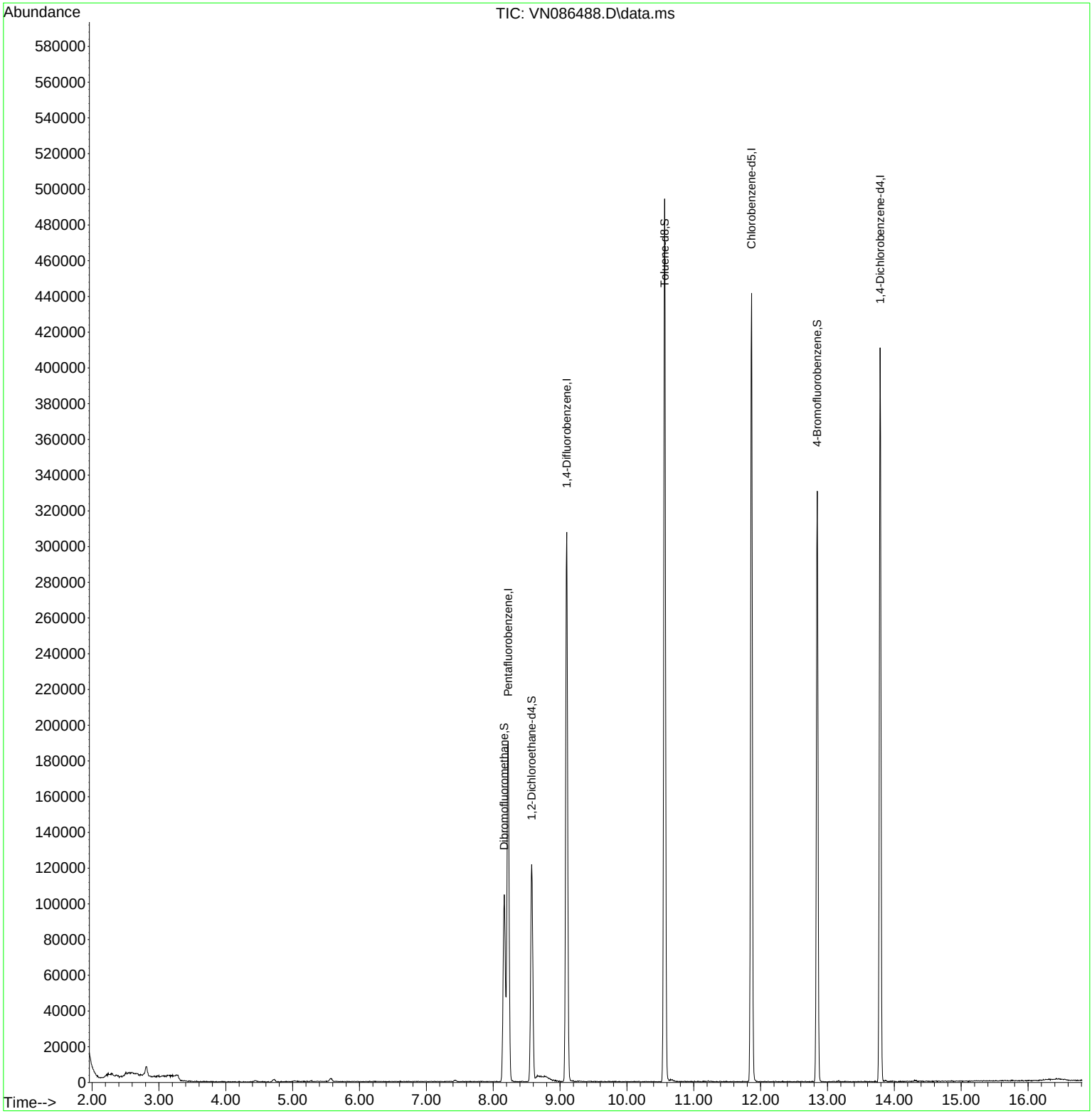
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	141270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	102889	50.226	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.460%			
35) Dibromofluoromethane	8.165	113	76253	60.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 120.400%			
50) Toluene-d8	10.565	98	346238	51.149	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	12.847	95	118781	48.108	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.220%			
Target Compounds						Qvalue

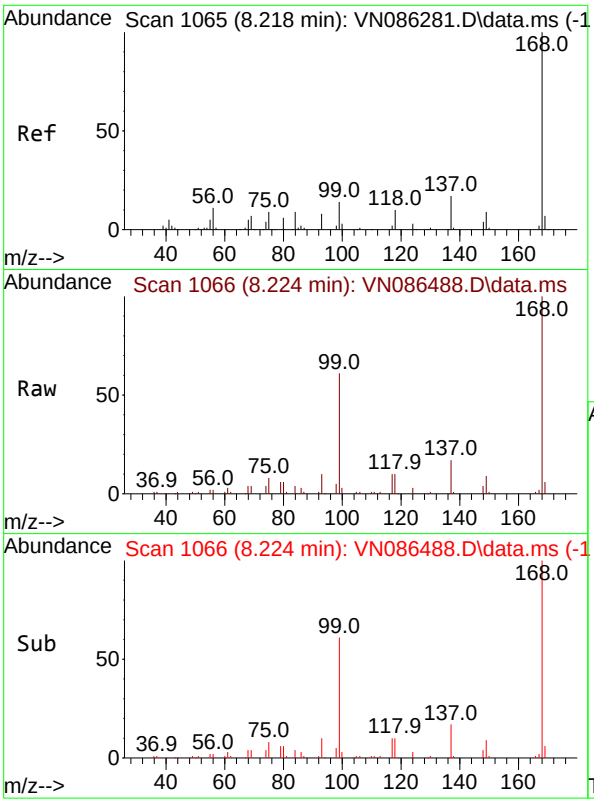
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086488.D
Acq On : 05 May 2025 16:00
Operator : JC\MD
Sample : Q1956-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

Quant Time: May 06 01:45:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



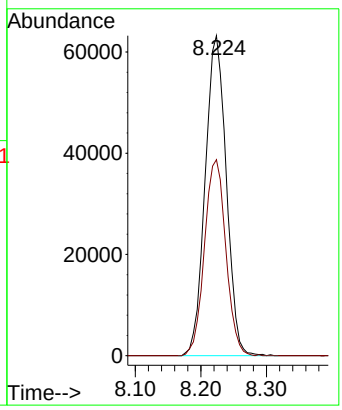


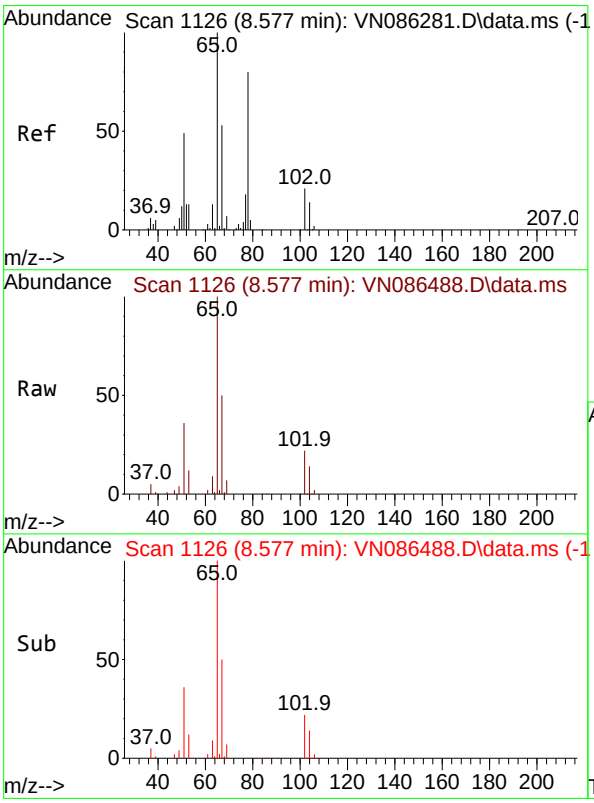
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

Tgt Ion:168 Resp: 141270

Ion	Ratio	Lower	Upper
168	100		
99	61.3	52.5	78.7

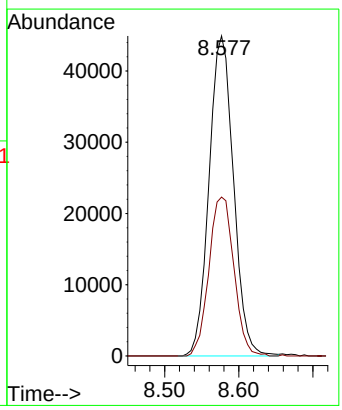


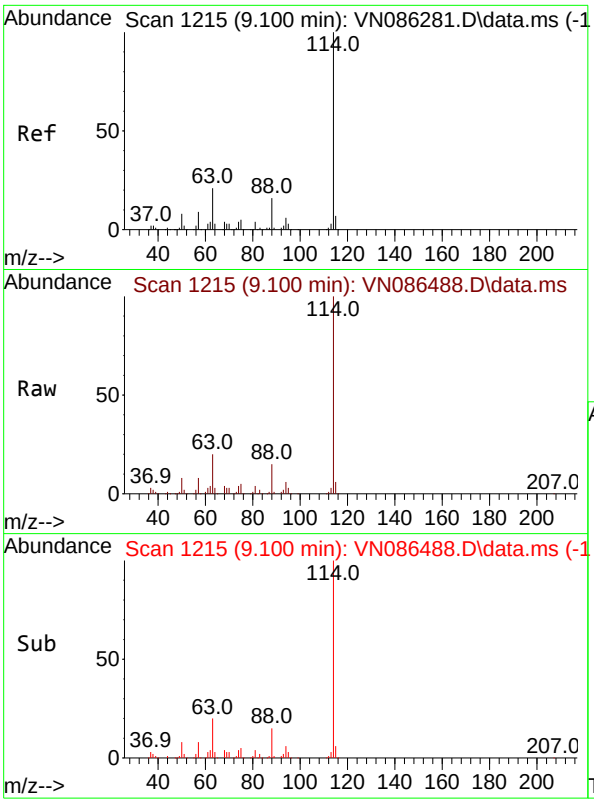


#33
1,2-Dichloroethane-d4
Concen: 50.226 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Tgt Ion: 65 Resp: 102889

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.0



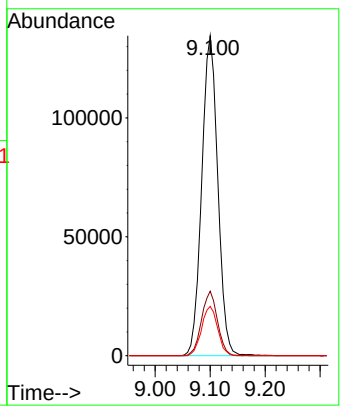


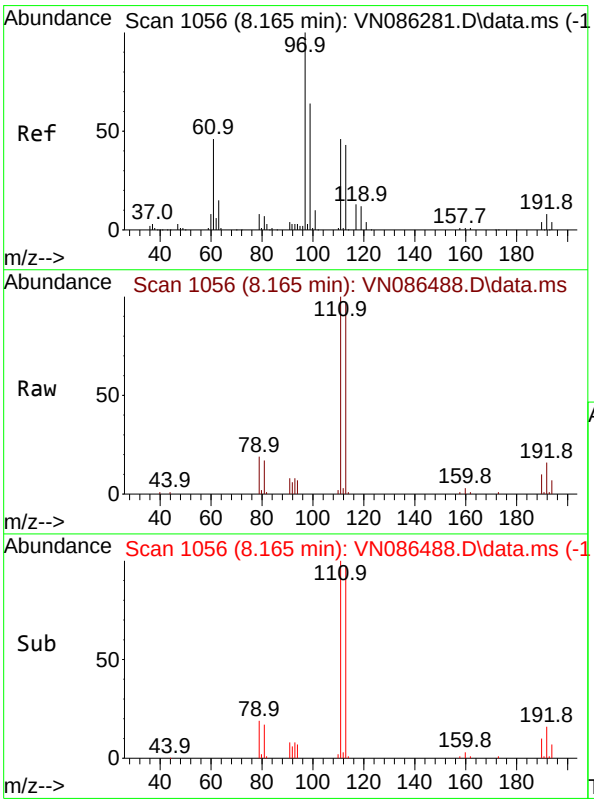
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

Tgt Ion:114 Resp: 272905

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.6
88	15.4	0.0	31.8

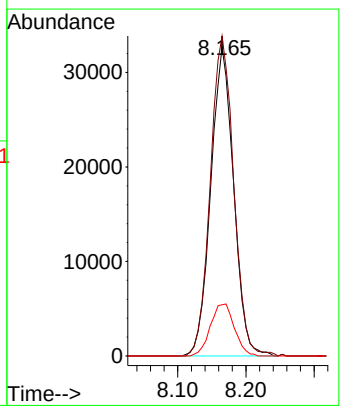


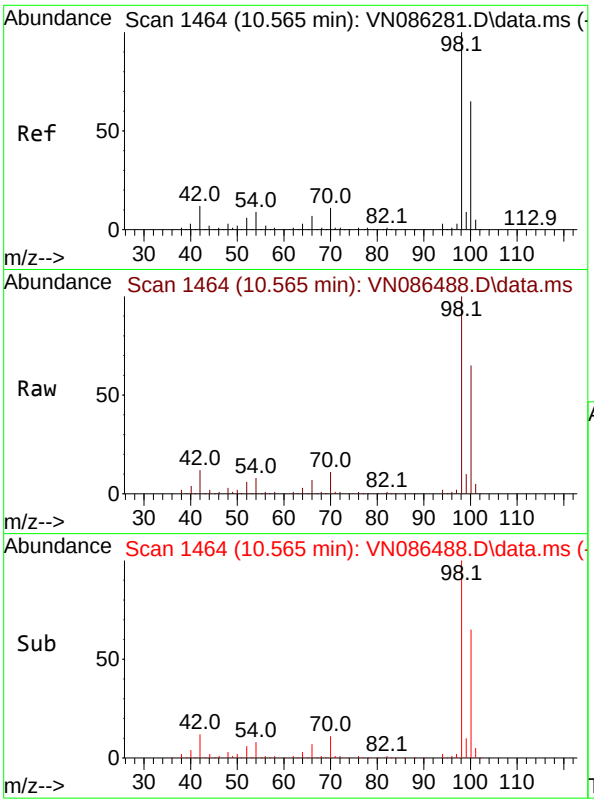


#35
Dibromofluoromethane
Concen: 60.203 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Tgt Ion:113 Resp: 76253

Ion	Ratio	Lower	Upper
113	100		
111	105.6	83.4	125.0
192	17.7	13.7	20.5



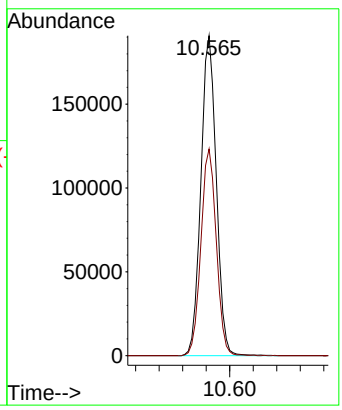


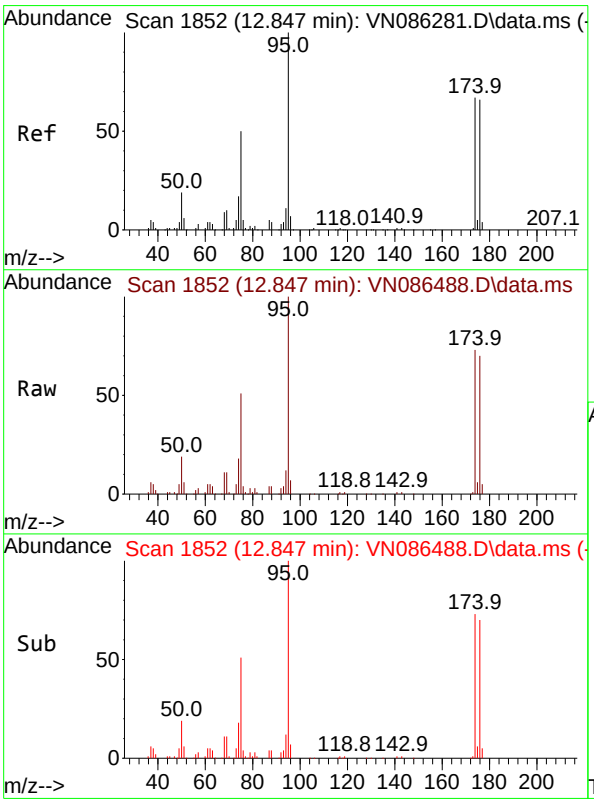
#50
Toluene-d8
Concen: 51.149 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

Tgt Ion: 98 Resp: 346238

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.5	78.7

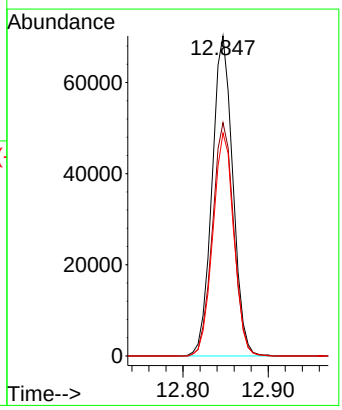


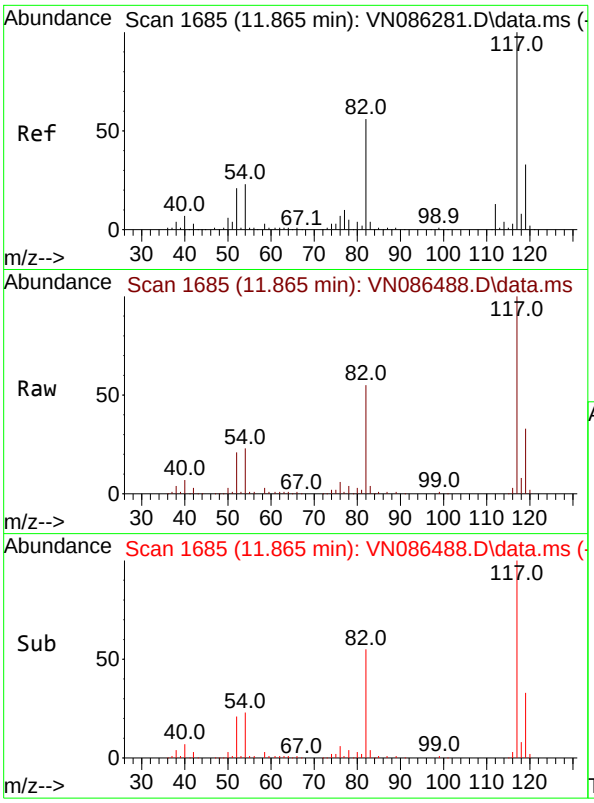


#62
4-Bromofluorobenzene
Concen: 48.108 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Tgt Ion: 95 Resp: 118781

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	133.4
176	70.4	0.0	129.2



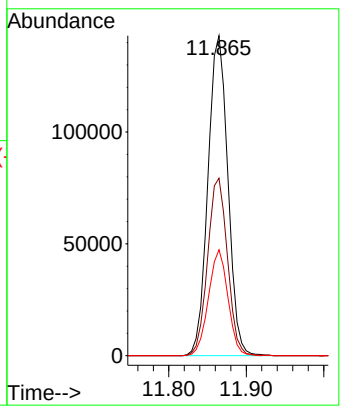


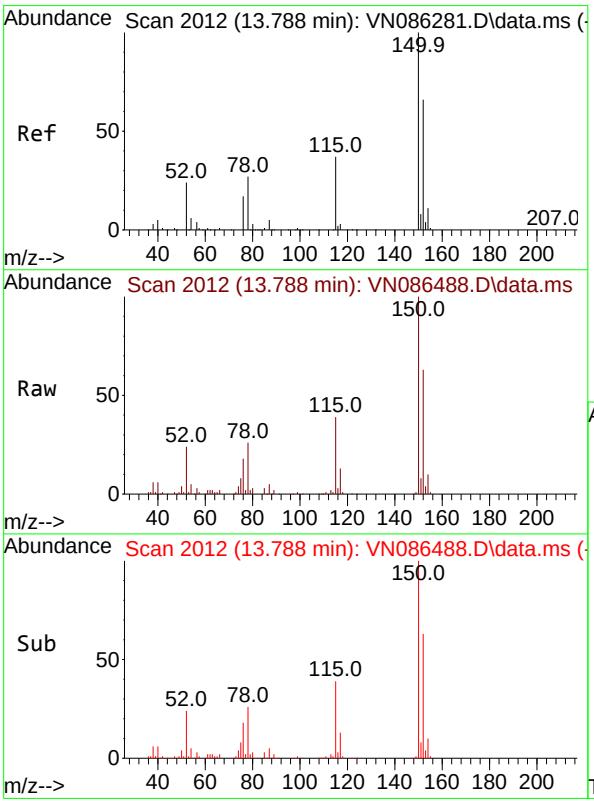
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

Tgt Ion:117 Resp: 255761

Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.7	67.1
119	33.1	26.4	39.6

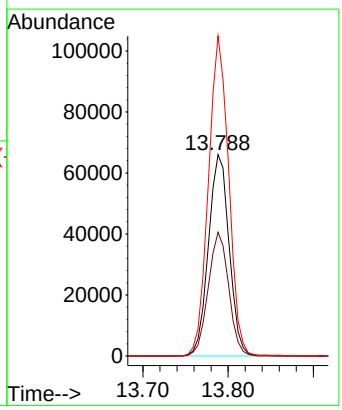




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Tgt Ion:152 Resp: 111305

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.9	95.9
150	155.4	0.0	352.0



Sample Results: **VN086488.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086488.D
Acq On : 05 May 2025 16:00
Operator : JC\MD
Sample : Q1956-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

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_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086488.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	141	146	153	rVB	5341	11988	1.33%	0.267%
2	8.165	1047	1056	1061	rBV	104697	256133	28.45%	5.696%
3	8.224	1061	1066	1076	rVB	190381	412994	45.87%	9.184%
4	8.577	1115	1126	1134	rBV	121724	276757	30.74%	6.154%
5	9.100	1203	1215	1225	rBV	307653	622578	69.15%	13.844%
6	10.565	1456	1464	1475	rBV	494314	900375	100.00%	20.022%
7	11.865	1676	1685	1694	rBV	441533	778474	86.46%	17.311%
8	12.847	1844	1852	1863	rVB	330632	561575	62.37%	12.488%
9	13.788	2005	2012	2020	rBV	411059	676165	75.10%	15.036%

Sum of corrected areas: 4497039

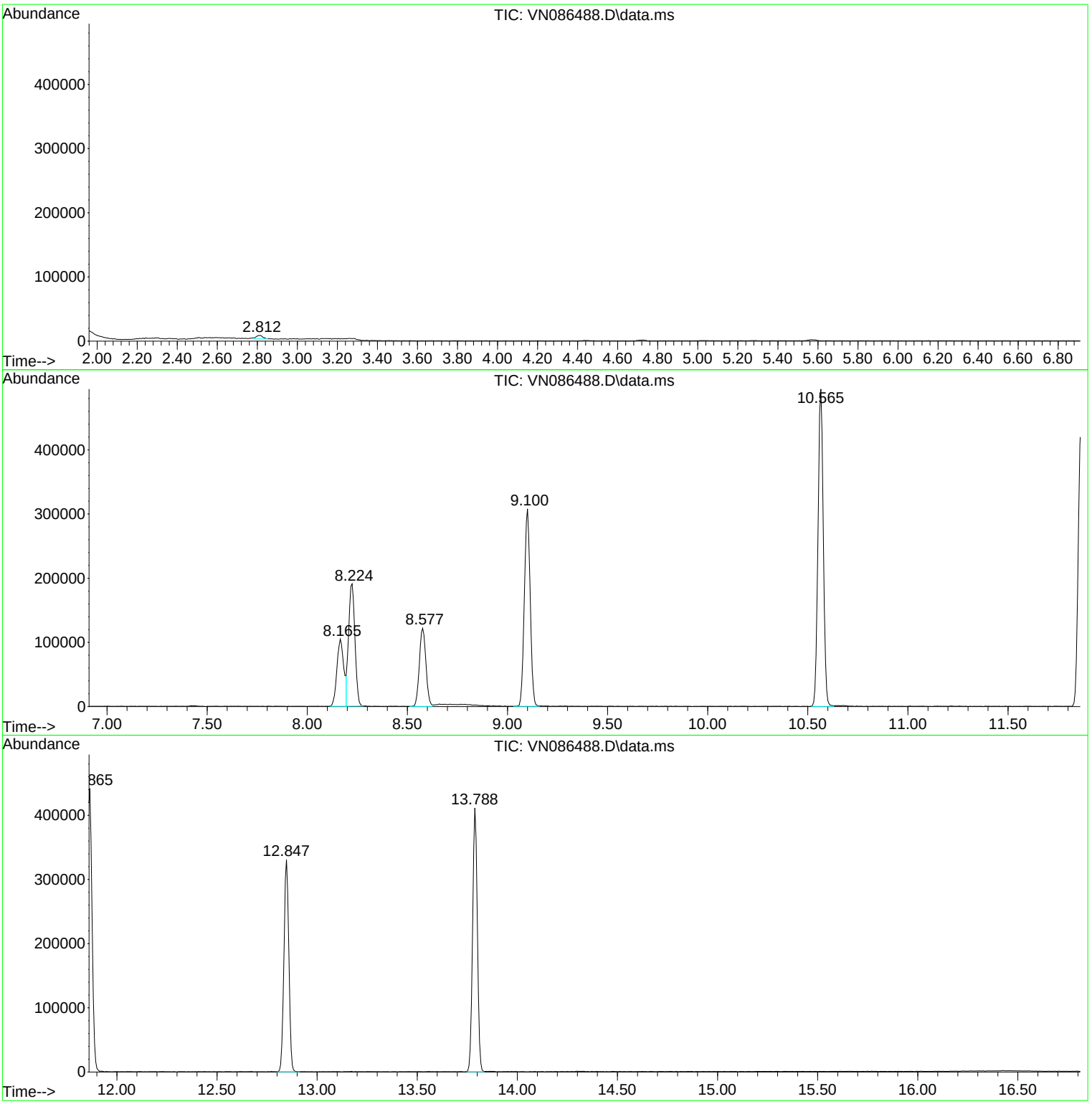
Sample Results: **VN086488.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086488.D
Acq On : 05 May 2025 16:00
Operator : JC\MD
Sample : Q1956-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN086488.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086488.D
Acq On : 05 May 2025 16:00
Operator : JC\MD
Sample : Q1956-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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_N\Data\VN050525\
Data File : VN086488.D
Acq On : 05 May 2025 16:00
Operator : JC\MD
Sample : Q1956-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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: **VX046184.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	TB	SDG No.:	Q1956
Lab Sample ID:	Q1956-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046184.D	1		05/14/25 11:13	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	TB	SDG No.:	Q1956
Lab Sample ID:	Q1956-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046184.D	1		05/14/25 11:13	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.6		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65800	5.55			
540-36-3	1,4-Difluorobenzene	132000	6.757			
3114-55-4	Chlorobenzene-d5	124000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	53600	12.018			

Raw Data: **VX046184.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	TB	SDG No.:	Q1956
Lab Sample ID:	Q1956-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046184.D	1		05/14/25 11:13	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX046184.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046184.D
Acq On : 14 May 2025 11:13
Operator : JC/MD
Sample : Q1956-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: May 15 01:19:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132071	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66542	54.273	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.540%			
35) Dibromofluoromethane	5.385	113	48536	51.034	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.060%			
50) Toluene-d8	8.647	98	166585	50.607	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	11.079	95	62484	49.486	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.980%			

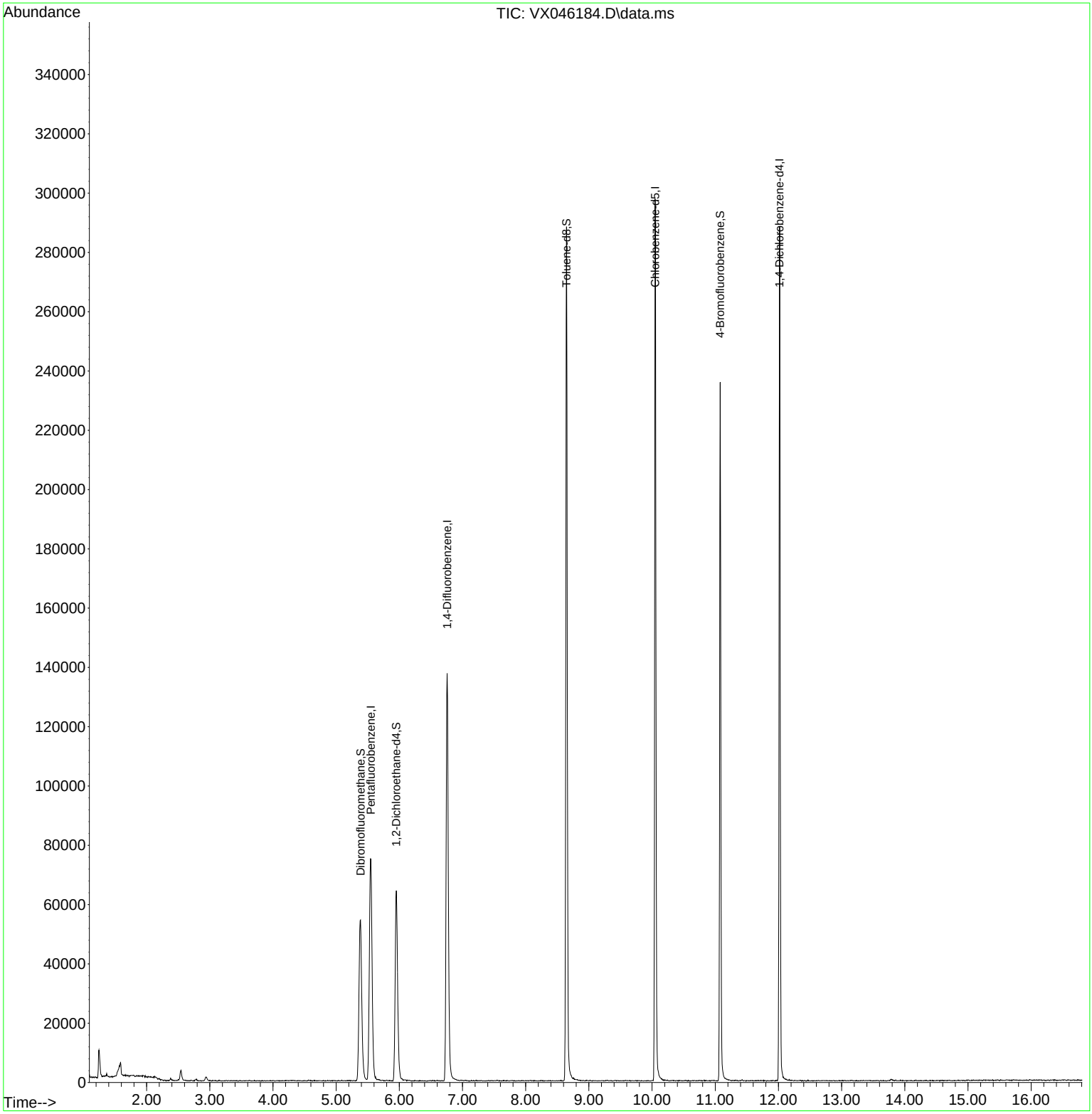
Target Compounds Qvalue

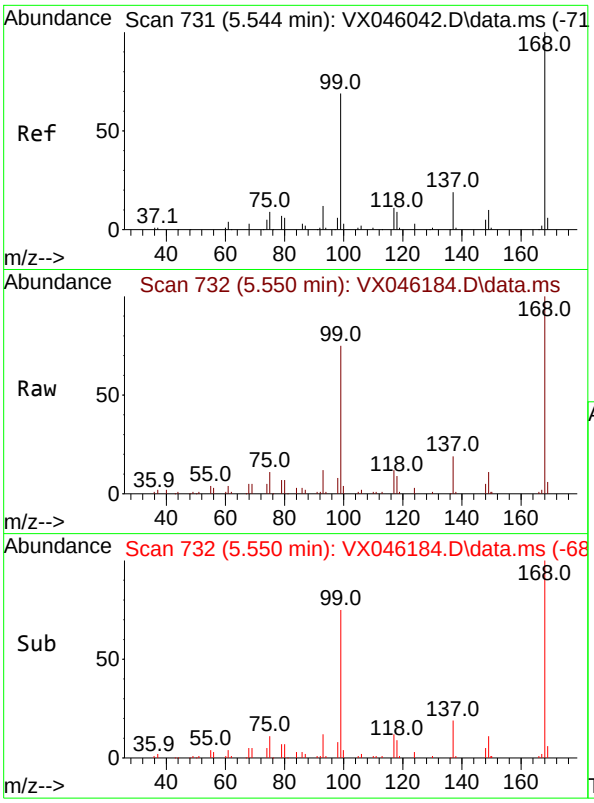
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046184.D
Acq On : 14 May 2025 11:13
Operator : JC/MD
Sample : Q1956-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: May 15 01:19:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



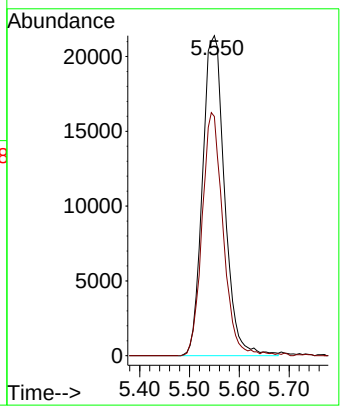


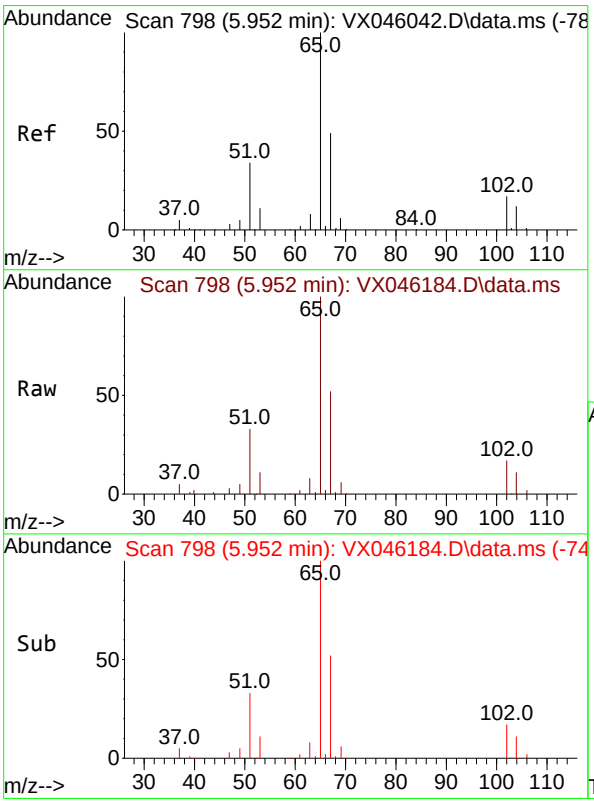
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046184.D
Acq: 14 May 2025 11:13

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:168 Resp: 65765

Ion	Ratio	Lower	Upper
168	100		
99	74.8	54.9	82.3

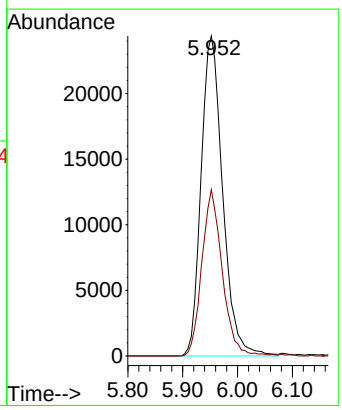


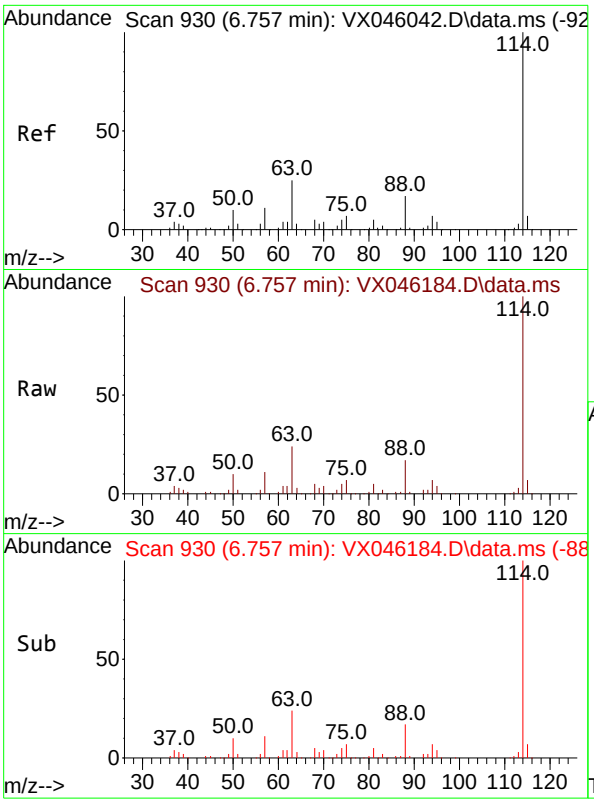


#33
1,2-Dichloroethane-d4
Concen: 54.273 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046184.D
Acq: 14 May 2025 11:13

Tgt Ion: 65 Resp: 66542

Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	99.0



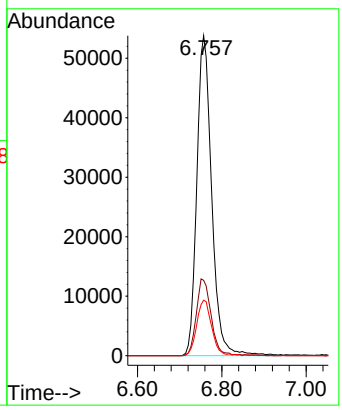


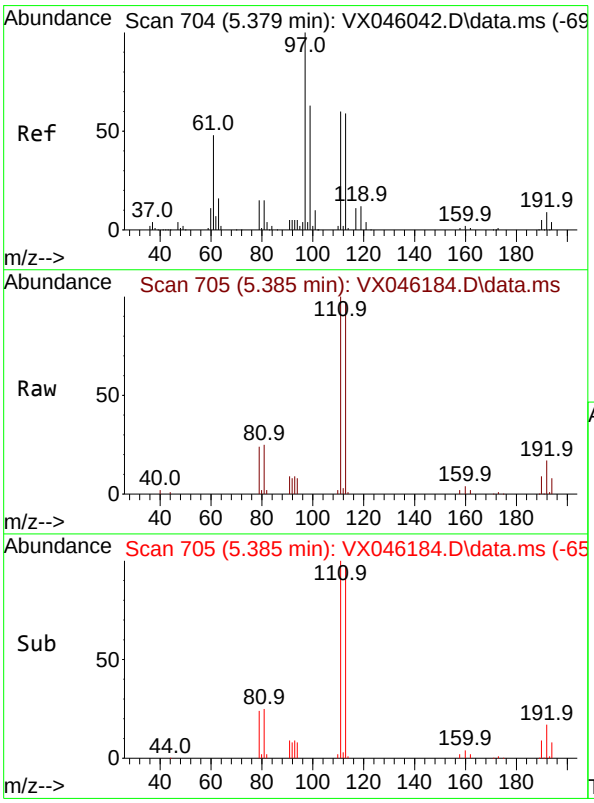
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046184.D
Acq: 14 May 2025 11:13

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:114 Resp: 132071

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	49.2
88	17.4	0.0	33.6

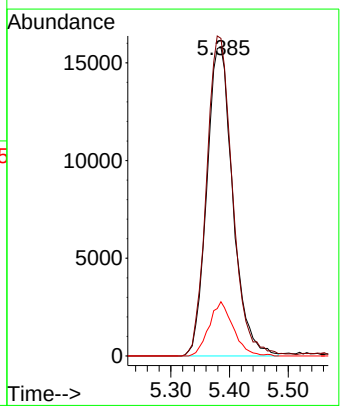


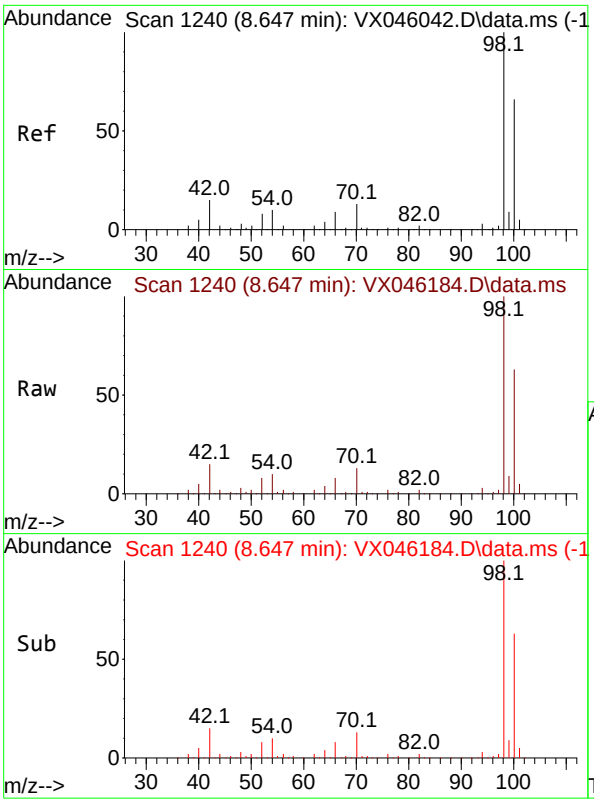


#35
Dibromofluoromethane
Concen: 51.034 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046184.D
Acq: 14 May 2025 11:13

Tgt Ion:113 Resp: 48536

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.1	124.7
192	16.4	13.3	19.9



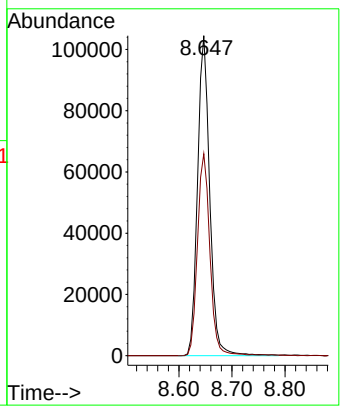


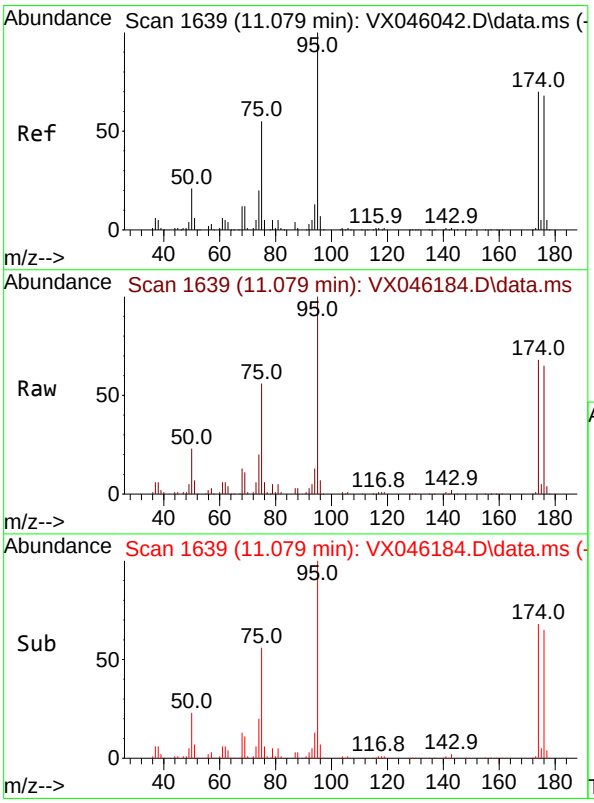
#50
Toluene-d8
Concen: 50.607 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046184.D
Acq: 14 May 2025 11:13

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 98 Resp: 166585

Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.5	80.3

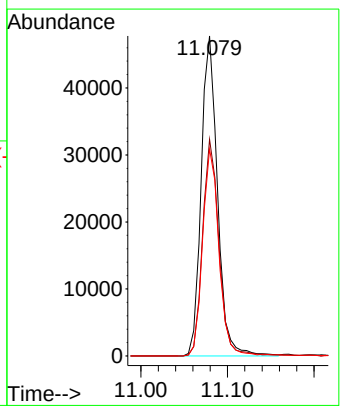


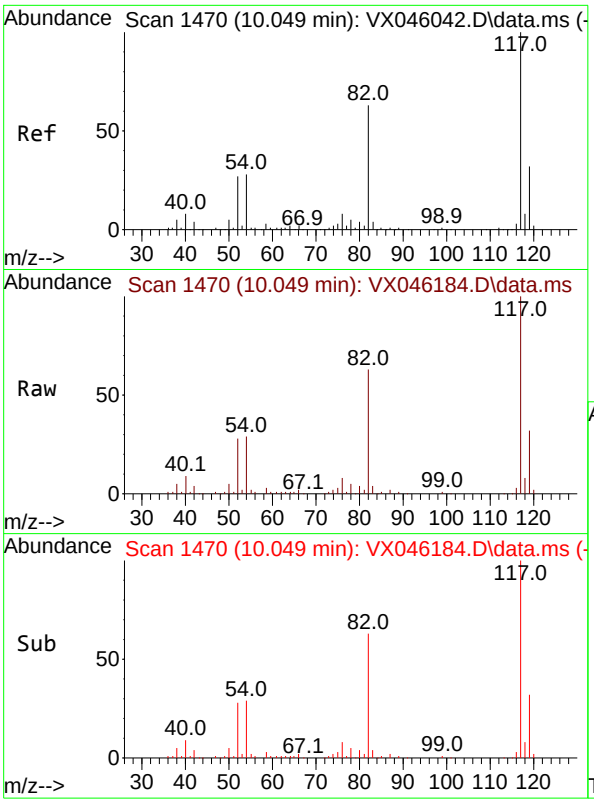


#62
4-Bromofluorobenzene
Concen: 49.486 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046184.D
Acq: 14 May 2025 11:13

Tgt Ion: 95 Resp: 62484

Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	135.8
176	65.6	0.0	131.4



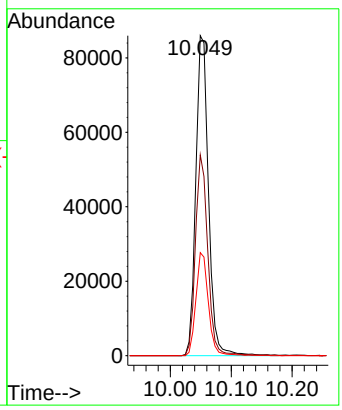


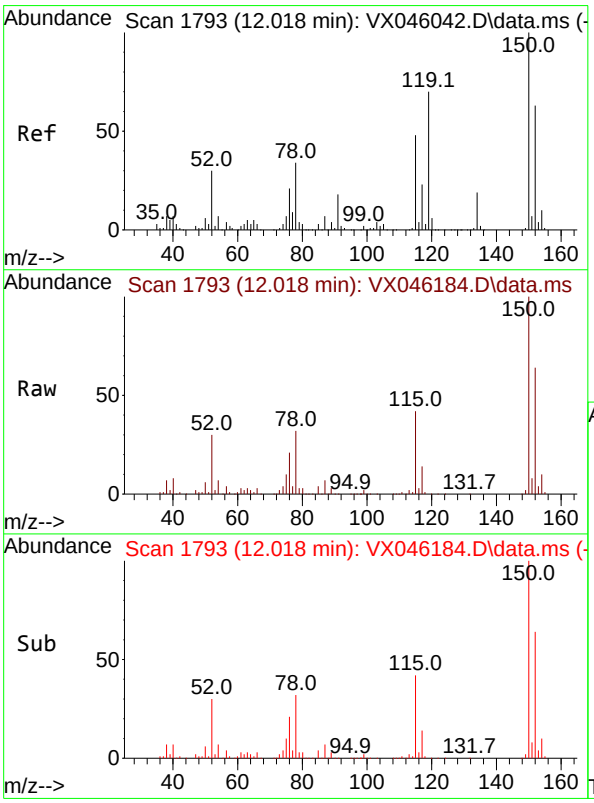
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046184.D
Acq: 14 May 2025 11:13

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:117 Resp: 124301

Ion	Ratio	Lower	Upper
117	100		
82	62.8	50.6	76.0
119	32.2	25.8	38.6

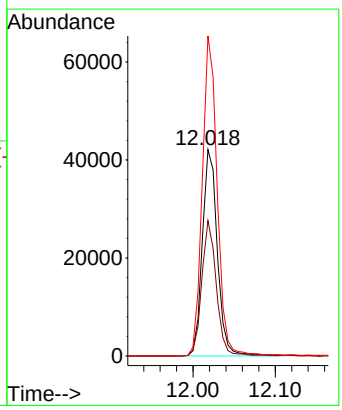




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046184.D
Acq: 14 May 2025 11:13

Tgt Ion:152 Resp: 53565

Ion	Ratio	Lower	Upper
152	100		
115	63.7	46.9	140.7
150	154.0	0.0	351.0



Sample Results: **VX046184.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046184.D
Acq On : 14 May 2025 11:13
Operator : JC/MD
Sample : Q1956-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

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_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046184.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.246	22	26	34	rBV	9480	16886	3.63%	0.682%
2	1.569	70	79	80	rBV5	3528	7093	1.53%	0.287%
3	2.544	233	239	246	rVB2	3419	6339	1.36%	0.256%
4	5.385	694	705	721	rBV2	54195	164889	35.48%	6.663%
5	5.544	722	731	747	rVB2	74574	220269	47.40%	8.901%
6	5.952	789	798	811	rBV2	64262	173032	37.24%	6.992%
7	6.757	921	930	946	rBV	137479	335482	72.20%	13.557%
8	8.647	1234	1240	1257	rBV	287945	464688	100.00%	18.778%
9	10.049	1465	1470	1486	rBV	297469	420358	90.46%	16.987%
10	11.079	1634	1639	1656	rBV	235528	308061	66.29%	12.449%
11	12.018	1788	1793	1805	rBV	288196	357539	76.94%	14.448%

Sum of corrected areas: 2474636

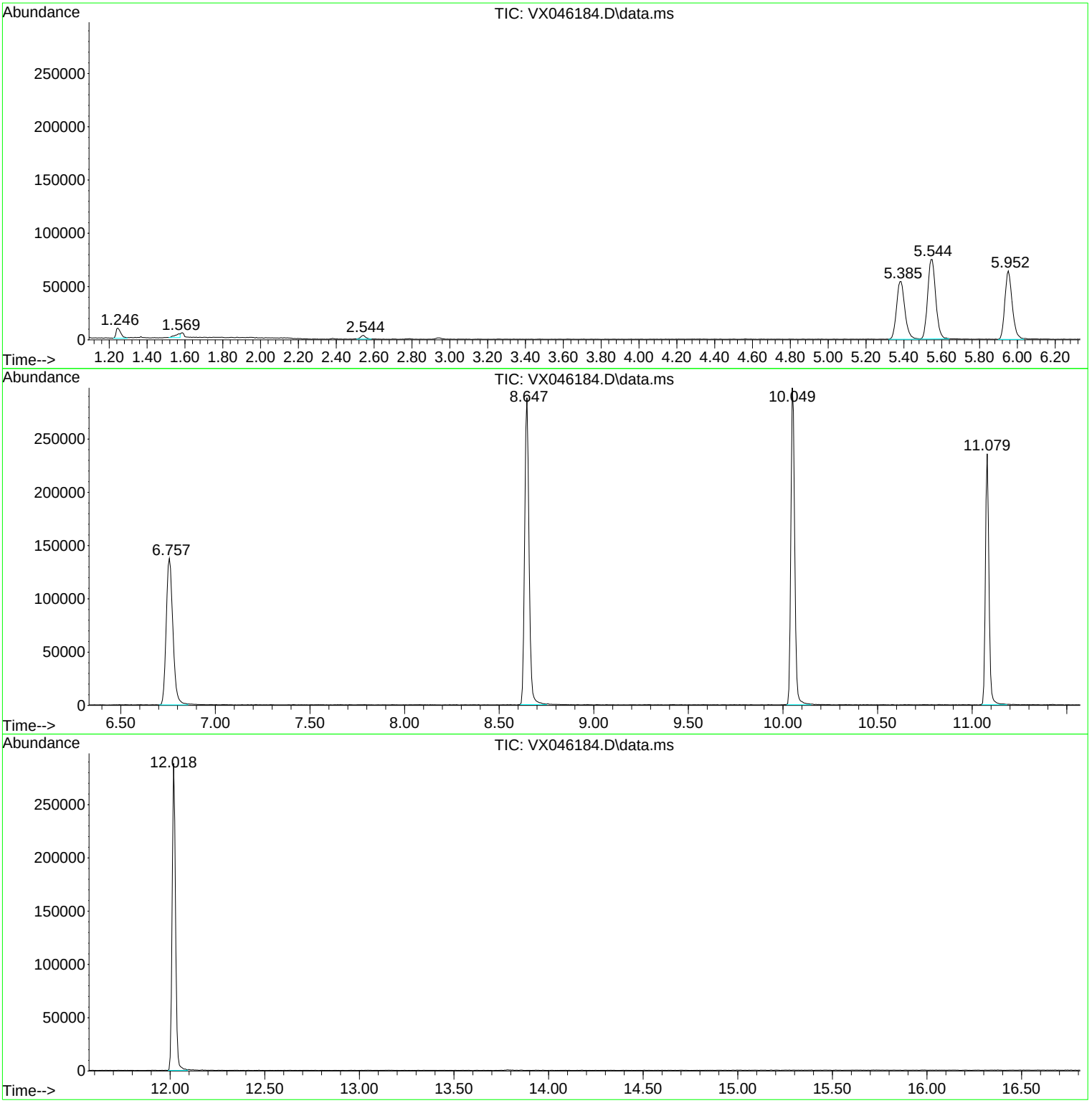
Sample Results: **VX046184.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046184.D
Acq On : 14 May 2025 11:13
Operator : JC/MD
Sample : Q1956-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046184.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046184.D
Acq On : 14 May 2025 11:13
Operator : JC/MD
Sample : Q1956-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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_X\Data\VX051425\
Data File : VX046184.D
Acq On : 14 May 2025 11:13
Operator : JC/MD
Sample : Q1956-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

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

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.606	0.561	0.582	0.624	0.591	0.593	0.593	3.6
Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.5
Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.4
Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.5
Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.3
Trichlorofluoromethane	0.988	0.951	0.859	0.927	0.863	0.875	0.911	5.9
1,1,2-Trichlorotrifluoroethane	0.577	0.581	0.522	0.567	0.526	0.532	0.551	4.9
1,1-Dichloroethene	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.6
Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.2
Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.3
Methyl tert-butyl Ether	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.8
Methyl Acetate	1.024	0.912	0.819	0.864	0.781	0.822	0.870	10
Methylene Chloride	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.7
trans-1,2-Dichloroethene	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.1
1,1-Dichloroethane	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.6
Cyclohexane		1.439	1.140	1.169	1.066	1.062	1.175	13.1
2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.7
Carbon Tetrachloride	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.9
cis-1,2-Dichloroethene	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.3
Bromochloromethane	0.545	0.608	0.436	0.465	0.495	0.506	0.509	12
Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.3
1,1,1-Trichloroethane	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.8
Methylcyclohexane	0.611	0.579	0.513	0.549	0.524	0.531	0.551	6.8
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8
1,2-Dichloroethane	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.1
Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.8
1,2-Dichloropropane	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.2
Bromodichloromethane	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.4
4-Methyl-2-Pentanone	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.9
Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.6

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

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

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.4
cis-1,3-Dichloropropene	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.5
1,1,2-Trichloroethane	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.9
2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.3
Dibromochloromethane	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.5
1,2-Dibromoethane	0.359	0.342	0.319	0.350	0.324	0.323	0.336	4.9
Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.8
Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.8
Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.4
m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.4
o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.2
Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.3
Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7
Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.9
1,1,2,2-Tetrachloroethane	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.1
1,3-Dichlorobenzene	1.866	1.822	1.618	1.698	1.610	1.608	1.704	6.7
1,4-Dichlorobenzene	1.942	1.815	1.615	1.713	1.614	1.597	1.716	8
1,2-Dichlorobenzene	1.819	1.820	1.565	1.646	1.559	1.502	1.652	8.4
1,2-Dibromo-3-Chloropropane	0.234	0.274	0.229	0.251	0.222	0.213	0.237	9.2
1,2,4-Trichlorobenzene	0.822	0.865	0.730	0.793	0.765	0.771	0.791	6
1,2,3-Trichlorobenzene	0.819	0.810	0.697	0.749	0.708	0.709	0.749	7.2
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	4

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025
Response Via : Initial Calibration

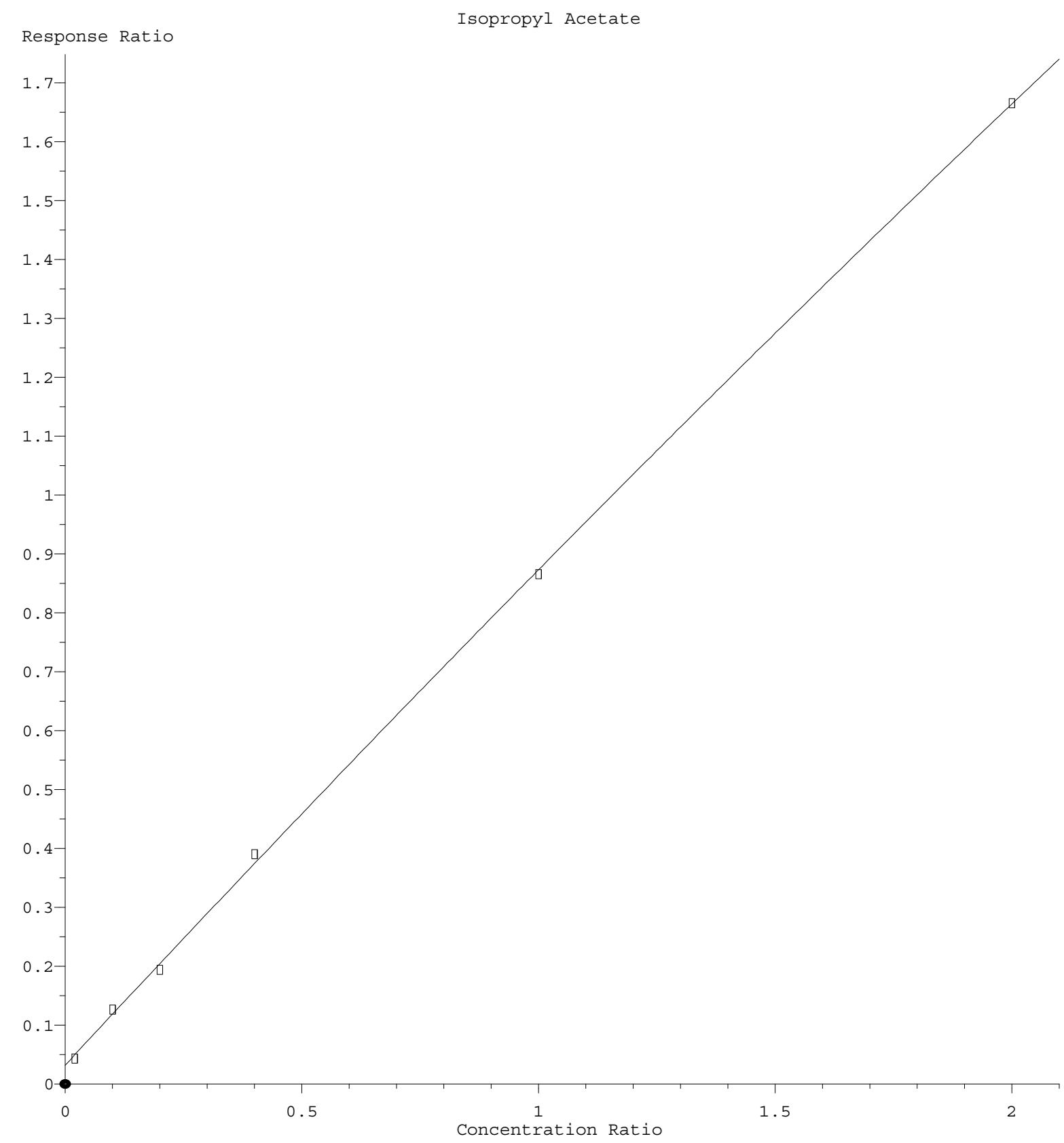
Calibration Files
1 =VN086277.D 5 =VN086278.D 10 =VN086279.D 20 =VN086280.D 50 =VN086281.D 100 =VN086282.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.606	0.561	0.582	0.624	0.591	0.593	0.593	3.56
3)	P	Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.46
4)	C	Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.36#
5)	T	Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.53
6)	T	Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.31
7)	T	Trichlorofluor...	0.988	0.951	0.859	0.927	0.863	0.875	0.911	5.87
8)	T	Diethyl Ether	0.423	0.421	0.375	0.415	0.374	0.377	0.398	6.12
9)	T	1,1,2-Trichlor...	0.577	0.581	0.522	0.567	0.526	0.532	0.551	4.93
10)	T	Methyl Iodide		0.598	0.564	0.636	0.599	0.631	0.606	4.84
11)	T	Tert butyl alc...		0.145	0.135	0.142	0.124	0.115	0.132	9.44
12)	CM	1,1-Dichloroet...	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.59#
13)	T	Acrolein		0.121	0.070	0.065	0.061	0.060	0.075	34.06
14)	T	Allyl chloride	1.330	1.082	0.957	1.025	0.929	0.954	1.046	14.33
15)	T	Acrylonitrile	0.332	0.349	0.308	0.343	0.317	0.313	0.327	5.13
16)	T	Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.22
17)	T	Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.28
18)	T	Methyl Acetate	1.024	0.912	0.819	0.864	0.781	0.822	0.870	10.04
19)	T	Methyl tert-bu...	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.76
20)	T	Methylene Chlo...	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.71
21)	T	trans-1,2-Dich...	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.11
22)	T	Diisopropyl ether	2.660	2.385	2.107	2.266	2.109	2.128	2.276	9.58
23)	T	Vinyl Acetate	1.743	1.757	1.524	1.643	1.483	1.396	1.591	9.21
24)	P	1,1-Dichloroet...	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.57
25)	T	2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.73
26)	T	2,2-Dichloropr...	1.174	1.154	1.024	1.084	0.983	1.032	1.075	7.07
27)	T	cis-1,2-Dichlo...	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.32
28)	T	Bromochloromet...	0.545	0.608	0.436	0.465	0.495	0.506	0.509	11.96
29)	T	Tetrahydrofuran	0.337	0.319	0.286	0.314	0.281	0.273	0.302	8.30
30)	C	Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.29#
31)	T	Cyclohexane		1.439	1.140	1.169	1.066	1.062	1.175	13.14
32)	T	1,1,1-Trichlor...	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.79
33)	S	1,2-Dichloroet...		0.746	0.745	0.707	0.719	0.708	0.725	2.63
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.267	0.255	0.230	0.215	0.194	0.232	12.85
36)	T	1,1-Dichloropr...	0.509	0.488	0.426	0.466	0.443	0.448	0.463	6.68
37)	T	Ethyl Acetate	0.585	0.509	0.458	0.491	0.446	0.439	0.488	11.15
38)	T	Carbon Tetrach...	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.93
39)	T	Methylcyclohexane	0.611	0.579	0.513	0.549	0.524	0.531	0.551	6.83
40)	TM	Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.81
41)	T	Methacrylonitrile	0.327	0.285	0.278	0.283	0.264	0.259	0.283	8.57
42)	TM	1,2-Dichloroet...	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.09
43)	T	Isopropyl Acetate	2.155	1.263	0.969	0.975	0.866	0.833	1.177	42.71
44)	TM	Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.83
45)	C	1,2-Dichloropr...	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.24#
46)	T	Dibromomethane	0.234	0.244	0.220	0.239	0.227	0.226	0.232	3.74
47)	T	Bromodichlorom...	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.39
48)	T	Methyl methacr...	0.517	0.436	0.404	0.433	0.395	0.386	0.429	11.14
49)	T	1,4-Dioxane	0.009	0.008	0.007	0.008	0.007	0.006	0.007	15.51
50)	S	Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.81
51)	T	4-Methyl-2-Pen...	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.90
52)	CM	Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.60#
53)	T	t-1,3-Dichloro...	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.38
54)	T	cis-1,3-Dichlo...	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.52
55)	T	1,1,2-Trichlor...	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.91
56)	T	Ethyl methacry...	0.668	0.644	0.578	0.623	0.579	0.585	0.613	6.23

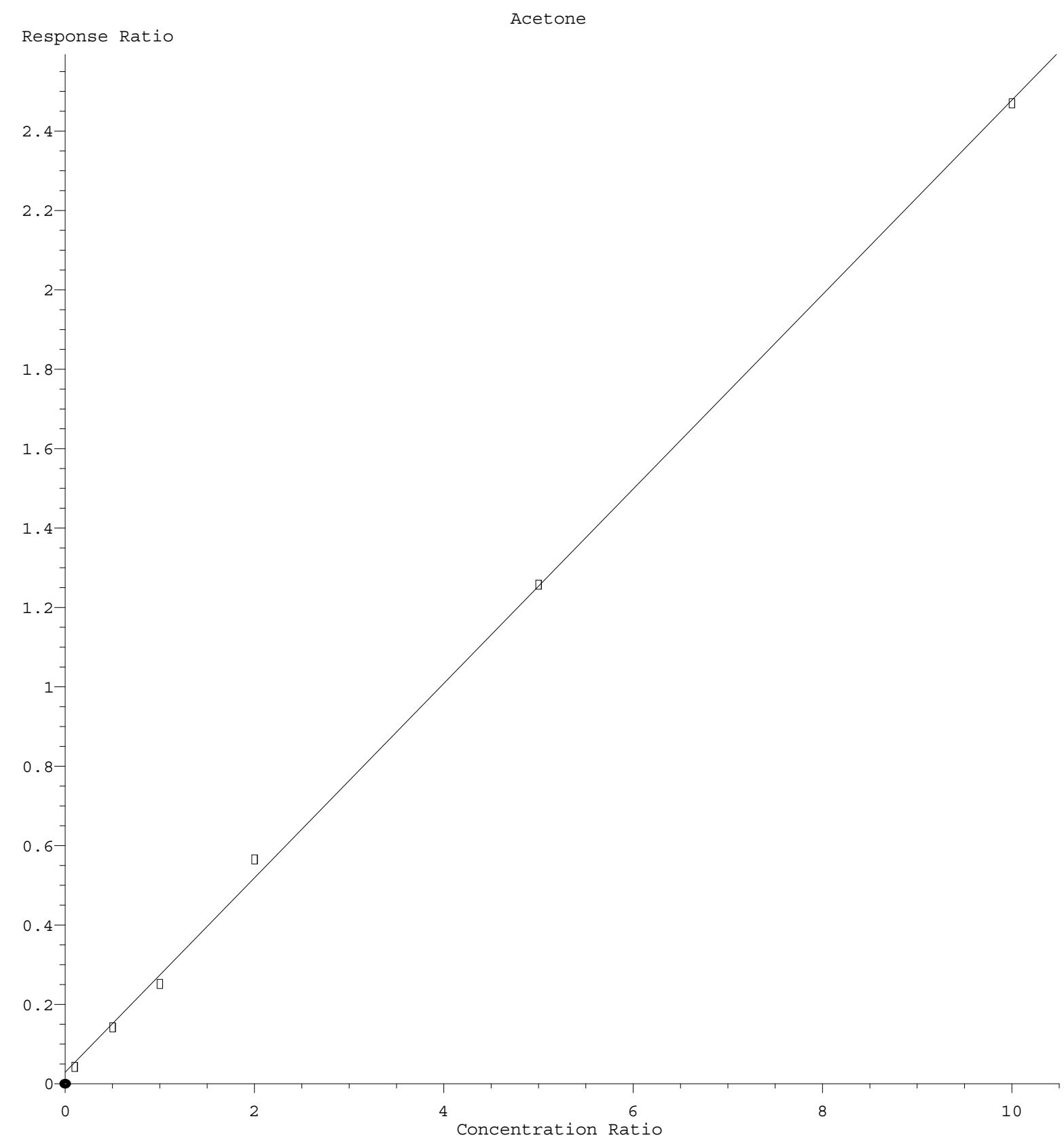
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N041525W.M

57)	T	1,3-Dichloropr...	0.629	0.617	0.567	0.602	0.564	0.571	0.592	4.75
58)	T	2-Chloroethyl ...	0.294	0.354	0.242	0.275	0.287	0.294	0.291	12.51
59)	T	2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.28
60)	T	Dibromochlorom...	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.48
61)	T	1,2-Dibromoethane	0.359	0.342	0.319	0.350	0.324	0.323	0.336	4.94
62)	S	4-Bromofluorob...		0.459	0.456	0.421	0.459	0.467	0.452	4.02
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.83
65)	PM	Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.78
66)	T	1,1,1,2-Tetrac...	0.400	0.396	0.349	0.368	0.347	0.348	0.368	6.70
67)	C	Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.39#
68)	T	m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.38
69)	T	o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.16
70)	T	Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.28
71)	P	Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7.03
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.89
74)	T	N-amyl acetate	2.690	2.110	1.879	2.000	1.778	1.760	2.036	17.03
75)	P	1,1,2,2-Tetrac...	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.07
76)	T	1,2,3-Trichlor...	1.518	1.144	1.153	1.182	1.042	1.040	1.180	14.93
77)	T	Bromobenzene	0.968	0.935	0.905	0.946	0.850	0.833	0.906	5.99
78)	T	n-propylbenzene	5.366	5.072	4.629	4.862	4.488	4.501	4.820	7.26
79)	T	2-Chlorotoluene	3.378	3.247	2.908	3.058	2.759	2.745	3.016	8.61
80)	T	1,3,5-Trimethy...	3.800	3.518	3.178	3.418	3.083	3.088	3.348	8.50
81)	T	trans-1,4-Dich...		0.526	0.493	0.494	0.461	0.482	0.491	4.81
82)	T	4-Chlorotoluene	3.304	3.152	2.851	3.047	2.810	2.812	2.996	6.86
83)	T	tert-Butylbenzene	3.382	3.057	2.795	2.886	2.608	2.675	2.901	9.80
84)	T	1,2,4-Trimethy...	3.782	3.644	3.262	3.431	3.171	3.156	3.408	7.62
85)	T	sec-Butylbenzene	4.451	4.309	3.897	3.991	3.763	3.729	4.023	7.34
86)	T	p-Isopropyltol...	3.603	3.487	3.174	3.290	3.158	3.185	3.316	5.63
87)	T	1,3-Dichlorobe...	1.866	1.822	1.618	1.698	1.610	1.608	1.704	6.72
88)	T	1,4-Dichlorobe...	1.942	1.815	1.615	1.713	1.614	1.597	1.716	8.05
89)	T	n-Butylbenzene	3.209	3.013	2.746	2.921	2.838	2.910	2.939	5.43
90)	T	Hexachloroethane	0.617	0.586	0.530	0.557	0.518	0.538	0.558	6.74
91)	T	1,2-Dichlorobe...	1.819	1.820	1.565	1.646	1.559	1.502	1.652	8.35
92)	T	1,2-Dibromo-3-...	0.234	0.274	0.229	0.251	0.222	0.213	0.237	9.21
93)	T	1,2,4-Trichlor...	0.822	0.865	0.730	0.793	0.765	0.771	0.791	5.99
94)	T	Hexachlorobuta...	0.308	0.339	0.286	0.301	0.280	0.278	0.299	7.61
95)	T	Naphthalene	3.012	2.955	2.601	2.904	2.675	2.674	2.804	6.20
96)	T	1,2,3-Trichlor...	0.819	0.810	0.697	0.749	0.708	0.709	0.749	7.25

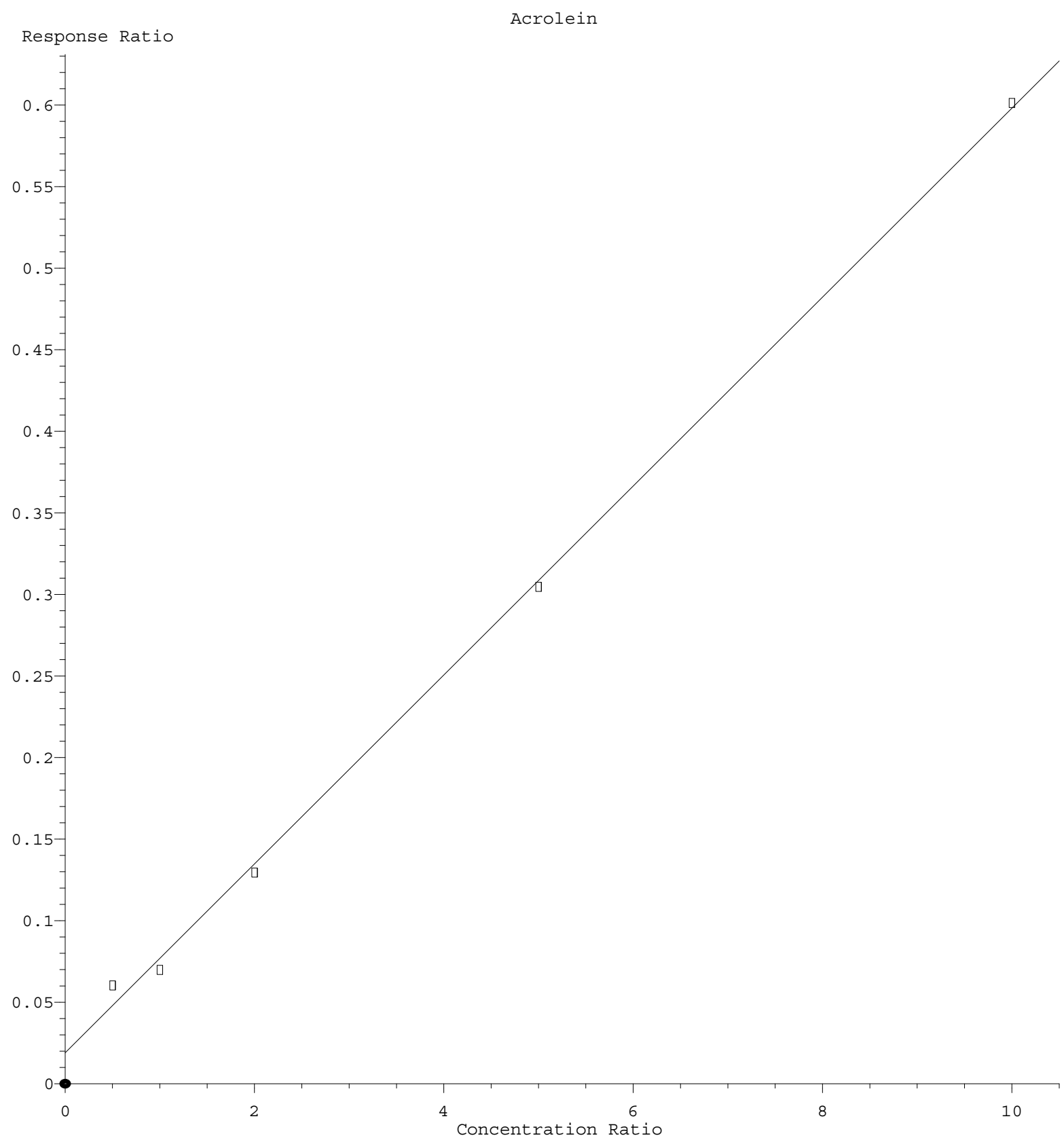
(#) = Out of Range



R = -2.483e-002 A*A + 8.654e-001 A + 3.238e-002
Coef of Det (r^2) = 0.999735 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
Calibration Table Last Updated: Wed Apr 16 04:19:23 2025



Response = 2.450e-001 * Amt + 2.861e-002
Coef of Det (r^2) = 0.999327 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
Calibration Table Last Updated: Wed Apr 16 04:19:23 2025



Response = 5.796e-002 * Amt + 1.861e-002
Coef of Det (r^2) = 0.998771 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086277.D
Acq On : 15 Apr 2025 11:29
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:54:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	218868	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	404752	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	341637	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145129	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	2651	1.022	ug/l		95
3) Chloromethane	2.360	50	4871	1.292	ug/l		93
4) Vinyl Chloride	2.518	62	3928	1.092	ug/l		94
6) Chloroethane	3.124	64	2846	1.182	ug/l	#	86
7) Trichlorofluoromethane	3.495	101	4327	1.086	ug/l	#	79
8) Diethyl Ether	3.965	74	1853	1.065	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.365	101	2525	1.047	ug/l	#	84
12) 1,1-Dichloroethene	4.342	96	2890	1.122	ug/l		97
14) Allyl chloride	5.018	41	5821	1.272	ug/l		94
15) Acrylonitrile	5.730	53	7256	5.069	ug/l		100
16) Acetone	4.430	43	9264m	2.774	ug/l		
17) Carbon Disulfide	4.706	76	10177	1.319	ug/l		97
18) Methyl Acetate	5.024	43	4481	1.176	ug/l		92
19) Methyl tert-butyl Ether	5.789	73	10847	1.145	ug/l	#	91
20) Methylene Chloride	5.271	84	3423	1.167	ug/l	#	94
21) trans-1,2-Dichloroethene	5.783	96	3079	1.143	ug/l	#	84
22) Diisopropyl ether	6.665	45	11644	1.169	ug/l		98
23) Vinyl Acetate	6.606	43	38143	5.479	ug/l		96
24) 1,1-Dichloroethane	6.565	63	5756	1.095	ug/l	#	85
25) 2-Butanone	7.489	43	11026	5.581	ug/l		99
26) 2,2-Dichloropropane	7.494	77	5139	1.092	ug/l		99
27) cis-1,2-Dichloroethene	7.489	96	3859	1.154	ug/l		90
28) Bromochloromethane	7.800	49	2387	1.071	ug/l	#	92
29) Tetrahydrofuran	7.841	42	7367	5.577	ug/l		93
30) Chloroform	7.959	83	5771	1.118	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	4792	1.085	ug/l	#	51
36) 1,1-Dichloropropene	8.371	75	4123	1.099	ug/l		94
37) Ethyl Acetate	7.559	43	4732	1.198	ug/l	#	91
38) Carbon Tetrachloride	8.359	117	3808	1.066	ug/l		100
39) Methylcyclohexane	9.594	83	4950	1.110	ug/l		96
40) Benzene	8.606	78	13340	1.110	ug/l		97
41) Methacrylonitrile	7.765	41	2651	1.158	ug/l	#	94
42) 1,2-Dichloroethane	8.665	62	4258	1.111	ug/l		96
43) Isopropyl Acetate	8.683	43	17444	0.619	ug/l	#	75
44) Trichloroethene	9.353	130	3157	1.108	ug/l		87
45) 1,2-Dichloropropane	9.612	63	3063	1.041	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086277.D
Acq On : 15 Apr 2025 11:29
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:54:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.706	93	1891	1.009 ug/l	91
47) Bromodichloromethane	9.888	83	4302	1.062 ug/l #	97
48) Methyl methacrylate	9.683	41	4185	1.206 ug/l	94
49) 1,4-Dioxane	9.688	88	1477	25.032 ug/l #	76
51) 4-Methyl-2-Pentanone	10.441	43	21143	5.227 ug/l	98
52) Toluene	10.624	92	8120	1.083 ug/l	99
53) t-1,3-Dichloropropene	10.841	75	4663	1.032 ug/l	93
54) cis-1,3-Dichloropropene	10.306	75	5497	1.107 ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	2967	1.099 ug/l	93
56) Ethyl methacrylate	10.871	69	5409	1.090 ug/l	90
57) 1,3-Dichloropropane	11.159	76	5091	1.063 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	11885	5.048 ug/l	97
59) 2-Hexanone	11.194	43	15945	5.315 ug/l	98
60) Dibromochloromethane	11.353	129	3054	1.031 ug/l	96
61) 1,2-Dibromoethane	11.465	107	2908	1.068 ug/l	90
64) Tetrachloroethene	11.106	164	2864	1.090 ug/l	95
65) Chlorobenzene	11.882	112	8440	1.107 ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2734	1.087 ug/l #	62
67) Ethyl Benzene	11.959	91	15099	1.097 ug/l	96
68) m/p-Xylenes	12.071	106	11055	2.144 ug/l	98
69) o-Xylene	12.394	106	5408	1.061 ug/l	97
70) Styrene	12.406	104	8925	1.051 ug/l	96
71) Bromoform	12.576	173	2089	1.103 ug/l #	80
73) Isopropylbenzene	12.694	105	13542	1.141 ug/l	98
74) N-amyl acetate	12.494	43	7807	1.321 ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	3910	1.145 ug/l	94
76) 1,2,3-Trichloropropane	12.988	75	4407m	1.293 ug/l	
77) Bromobenzene	12.982	156	2811	1.069 ug/l	90
78) n-propylbenzene	13.029	91	15576	1.113 ug/l	98
79) 2-Chlorotoluene	13.124	91	9804	1.120 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	11029	1.135 ug/l	99
82) 4-Chlorotoluene	13.218	91	9589	1.103 ug/l	98
83) tert-Butylbenzene	13.435	119	9817	1.166 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	10977	1.110 ug/l	96
85) sec-Butylbenzene	13.612	105	12920	1.106 ug/l	98
86) p-Isopropyltoluene	13.729	119	10458	1.086 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	5415	1.095 ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	5636m	1.132 ug/l	
89) n-Butylbenzene	14.053	91	9315	1.092 ug/l	99
90) Hexachloroethane	14.329	117	1792	1.107 ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	5279	1.101 ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.718	75	679	0.987 ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	2387	1.040 ug/l	93
94) Hexachlorobutadiene	15.494	225	893	1.030 ug/l	78
95) Naphthalene	15.641	128	8743	1.074 ug/l	97
96) 1,2,3-Trichlorobenzene	15.829	180	2378	1.094 ug/l	91

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

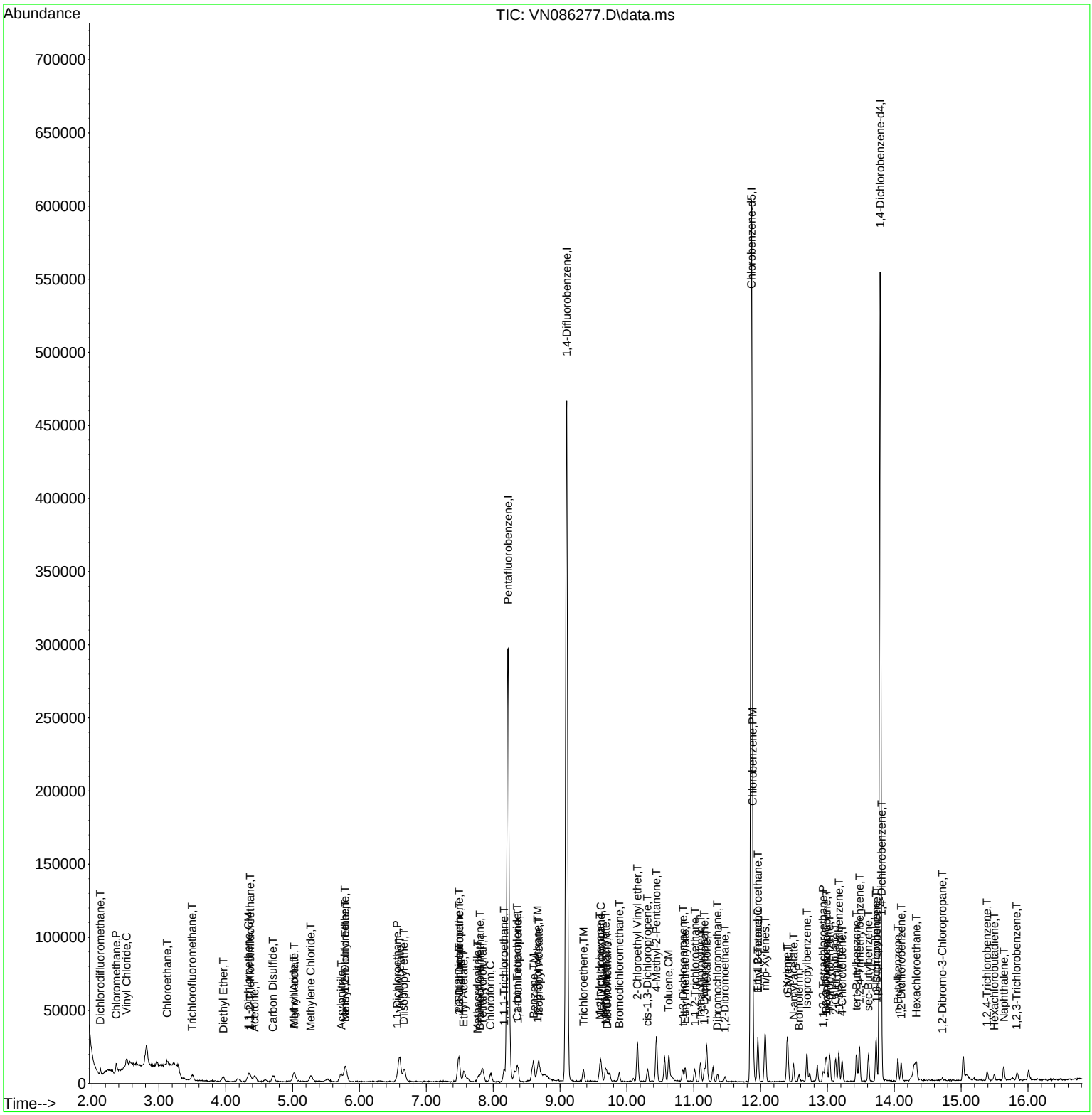
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086277.D
Acq On : 15 Apr 2025 11:29
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 03:54:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	234470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	436245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	17487	5.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.280%#		
35) Dibromofluoromethane	8.171	113	11660	5.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.520%#		
50) Toluene-d8	10.565	98	54403	5.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.060%#		
62) 4-Bromofluorobenzene	12.847	95	20034	5.076	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.160%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	13162	4.735	ug/l	95
3) Chloromethane	2.359	50	21191	5.246	ug/l	96
4) Vinyl Chloride	2.512	62	19342	5.018	ug/l	99
5) Bromomethane	2.948	94	8981	5.180	ug/l	91
6) Chloroethane	3.112	64	13592	5.268	ug/l	98
7) Trichlorofluoromethane	3.495	101	22304	5.223	ug/l	92
8) Diethyl Ether	3.959	74	9862	5.291	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	13633	5.278	ug/l	99
10) Methyl Iodide	4.589	142	14033	4.941	ug/l	94
11) Tert butyl alcohol	5.518	59	16966	27.348	ug/l #	88
12) 1,1-Dichloroethene	4.342	96	14583	5.284	ug/l	94
13) Acrolein	4.177	56	14133	35.938	ug/l	91
14) Allyl chloride	5.018	41	25369	5.174	ug/l	98
15) Acrylonitrile	5.712	53	40960	26.709	ug/l	99
16) Acetone	4.430	43	33298	23.124	ug/l	100
17) Carbon Disulfide	4.712	76	43706	5.289	ug/l	98
18) Methyl Acetate	5.024	43	21384	5.239	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	53138	5.238	ug/l	92
20) Methylene Chloride	5.277	84	16566	5.270	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	15380	5.331	ug/l	98
22) Diisopropyl ether	6.665	45	55913	5.239	ug/l #	98
23) Vinyl Acetate	6.600	43	205955m	27.614	ug/l	
24) 1,1-Dichloroethane	6.559	63	29865	5.304	ug/l	99
25) 2-Butanone	7.483	43	55470	26.210	ug/l	100
26) 2,2-Dichloropropane	7.488	77	27048	5.365	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	18982	5.301	ug/l	97
28) Bromochloromethane	7.806	49	14246	5.967	ug/l	95
29) Tetrahydrofuran	7.841	42	37437	26.453	ug/l	99
30) Chloroform	7.965	83	28901	5.225	ug/l	98
31) Cyclohexane	8.253	56	33730	6.122	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	25387	5.365	ug/l	89
36) 1,1-Dichloropropene	8.371	75	21310	5.270	ug/l	100
37) Ethyl Acetate	7.559	43	22206	5.216	ug/l	99
38) Carbon Tetrachloride	8.359	117	20544	5.335	ug/l	92
39) Methylcyclohexane	9.594	83	25242	5.251	ug/l	99
40) Benzene	8.600	78	67406	5.202	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	12454	5.047	ug/l		95
42) 1,2-Dichloroethane	8.671	62	21638	5.237	ug/l		100
43) Isopropyl Acetate	8.682	43	55105	5.444	ug/l	#	90
44) Trichloroethene	9.353	130	15562	5.067	ug/l		95
45) 1,2-Dichloropropane	9.618	63	16719	5.272	ug/l		94
46) Dibromomethane	9.706	93	10633	5.262	ug/l		97
47) Bromodichloromethane	9.888	83	23118	5.297	ug/l		95
48) Methyl methacrylate	9.682	41	19018	5.087	ug/l		98
49) 1,4-Dioxane	9.688	88	6722	105.699	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	113773	26.097	ug/l		100
52) Toluene	10.624	92	42032	5.199	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	25020	5.136	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	27737	5.183	ug/l		95
55) 1,1,2-Trichloroethane	11.018	97	15559	5.349	ug/l		98
56) Ethyl methacrylate	10.871	69	28102	5.256	ug/l		97
57) 1,3-Dichloropropane	11.159	76	26905	5.213	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	77113	30.387	ug/l		100
59) 2-Hexanone	11.194	43	84443	26.113	ug/l		99
60) Dibromochloromethane	11.359	129	16611	5.201	ug/l		100
61) 1,2-Dibromoethane	11.471	107	14929	5.087	ug/l		97
64) Tetrachloroethene	11.100	164	14998	5.188	ug/l		96
65) Chlorobenzene	11.888	112	44164	5.265	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	14896	5.383	ug/l		98
67) Ethyl Benzene	11.959	91	79376	5.244	ug/l		97
68) m/p-Xylenes	12.071	106	59758	10.537	ug/l		99
69) o-Xylene	12.394	106	29751	5.305	ug/l		98
70) Styrene	12.406	104	48407	5.180	ug/l		99
71) Bromoform	12.576	173	11065	5.311	ug/l	#	97
73) Isopropylbenzene	12.694	105	71658	5.221	ug/l		100
74) N-amyl acetate	12.488	43	35409	5.182	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	21720	5.503	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	19196m	4.870	ug/l		
77) Bromobenzene	12.976	156	15681	5.156	ug/l		93
78) n-propylbenzene	13.035	91	85101	5.261	ug/l		99
79) 2-Chlorotoluene	13.123	91	54490	5.384	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	59035	5.255	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	8832m	5.357	ug/l		
82) 4-Chlorotoluene	13.217	91	52887	5.260	ug/l		99
83) tert-Butylbenzene	13.435	119	51302	5.270	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	61145	5.347	ug/l		98
85) sec-Butylbenzene	13.612	105	72305	5.355	ug/l		99
86) p-Isopropyltoluene	13.723	119	58514	5.258	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	30570	5.347	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	30447	5.287	ug/l		94
89) n-Butylbenzene	14.053	91	50562	5.126	ug/l		99
90) Hexachloroethane	14.329	117	9832	5.252	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	30546	5.511	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4593	5.772	ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	14506	5.465	ug/l		99
94) Hexachlorobutadiene	15.500	225	5680	5.669	ug/l		97
95) Naphthalene	15.641	128	49586	5.270	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	13599	5.412	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

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

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

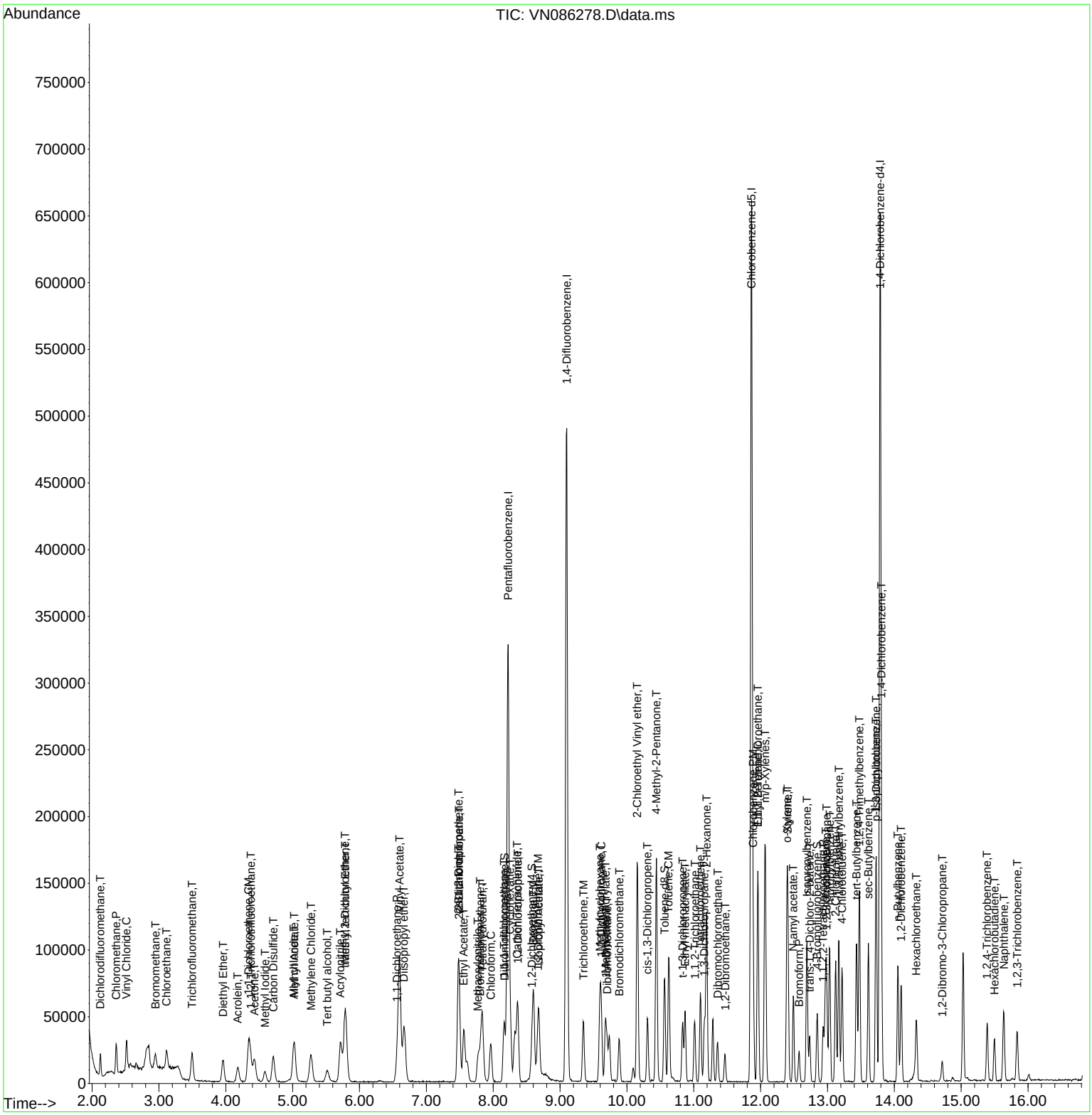
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	253576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	468933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	411009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	37770	10.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.540%#		
35) Dibromofluoromethane	8.159	113	23907	10.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	21.960%#		
50) Toluene-d8	10.565	98	120121	10.327	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.660%#		
62) 4-Bromofluorobenzene	12.847	95	42791	10.086	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	20.180%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	29521	9.821	ug/l	96
3) Chloromethane	2.359	50	39728	9.094	ug/l	94
4) Vinyl Chloride	2.518	62	39819	9.551	ug/l	99
5) Bromomethane	2.965	94	18776	10.013	ug/l	87
6) Chloroethane	3.124	64	26337	9.439	ug/l	92
7) Trichlorofluoromethane	3.506	101	43539	9.428	ug/l	99
8) Diethyl Ether	3.959	74	19000	9.425	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	26478	9.478	ug/l	99
10) Methyl Iodide	4.589	142	28586	9.308	ug/l	98
11) Tert butyl alcohol	5.506	59	34343	51.188	ug/l	99
12) 1,1-Dichloroethene	4.342	96	28022	9.389	ug/l	90
13) Acrolein	4.183	56	17703	44.165	ug/l	99
14) Allyl chloride	5.024	41	48555m	9.157	ug/l	
15) Acrylonitrile	5.718	53	78184	47.141	ug/l	97
16) Acetone	4.430	43	63789	45.485	ug/l	99
17) Carbon Disulfide	4.712	76	81234	9.090	ug/l	99
18) Methyl Acetate	5.024	43	41546	9.413	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	102069	9.304	ug/l	95
20) Methylene Chloride	5.277	84	31218	9.183	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	28271	9.060	ug/l	99
22) Diisopropyl ether	6.671	45	106867	9.259	ug/l	97
23) Vinyl Acetate	6.600	43	386388	47.903	ug/l	100
24) 1,1-Dichloroethane	6.571	63	56906	9.345	ug/l	96
25) 2-Butanone	7.477	43	106429	46.500	ug/l	98
26) 2,2-Dichloropropane	7.488	77	51934	9.525	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	35180	9.084	ug/l	99
28) Bromochloromethane	7.806	49	22094	8.557	ug/l	98
29) Tetrahydrofuran	7.835	42	72642	47.462	ug/l	100
30) Chloroform	7.965	83	56896	9.511	ug/l	95
31) Cyclohexane	8.253	56	57797	9.699	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	48313	9.441	ug/l	93
36) 1,1-Dichloropropene	8.371	75	39999	9.202	ug/l	98
37) Ethyl Acetate	7.559	43	42951	9.385	ug/l	99
38) Carbon Tetrachloride	8.359	117	38345	9.263	ug/l	99
39) Methylcyclohexane	9.594	83	48076	9.305	ug/l	98
40) Benzene	8.606	78	130256	9.352	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	26058	9.824	ug/l		98
42) 1,2-Dichloroethane	8.671	62	41980	9.452	ug/l		100
43) Isopropyl Acetate	8.682	43	90916	9.381	ug/l		95
44) Trichloroethene	9.347	130	31281	9.476	ug/l		94
45) 1,2-Dichloropropane	9.618	63	33270	9.759	ug/l		98
46) Dibromomethane	9.706	93	20677	9.519	ug/l		97
47) Bromodichloromethane	9.882	83	44773	9.543	ug/l		97
48) Methyl methacrylate	9.676	41	37900	9.430	ug/l		98
49) 1,4-Dioxane	9.688	88	13198	193.063	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	224548	47.916	ug/l		98
52) Toluene	10.623	92	81084	9.330	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	49510	9.454	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	54411	9.459	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	29512	9.439	ug/l		93
56) Ethyl methacrylate	10.871	69	54203	9.431	ug/l		98
57) 1,3-Dichloropropane	11.159	76	53151	9.581	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	113279	41.526	ug/l		99
59) 2-Hexanone	11.194	43	166643	47.941	ug/l		100
60) Dibromochloromethane	11.353	129	33195	9.668	ug/l		98
61) 1,2-Dibromoethane	11.465	107	29886	9.473	ug/l		99
64) Tetrachloroethene	11.100	164	29467	9.321	ug/l		99
65) Chlorobenzene	11.888	112	86997	9.485	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	28657	9.471	ug/l		97
67) Ethyl Benzene	11.959	91	153929	9.300	ug/l		99
68) m/p-Xylenes	12.065	106	115926	18.692	ug/l		99
69) o-Xylene	12.394	106	58314	9.508	ug/l		99
70) Styrene	12.406	104	95045	9.301	ug/l		100
71) Bromoform	12.576	173	21240	9.323	ug/l	#	100
73) Isopropylbenzene	12.694	105	142461	9.757	ug/l		100
74) N-amyl acetate	12.488	43	67074	9.228	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	42167	10.045	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	41148m	9.813	ug/l		
77) Bromobenzene	12.976	156	32305	9.986	ug/l		99
78) n-propylbenzene	13.035	91	165250	9.605	ug/l		99
79) 2-Chlorotoluene	13.123	91	103789	9.641	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	113458	9.494	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	17595	10.033	ug/l		92
82) 4-Chlorotoluene	13.217	91	101784	9.518	ug/l		99
83) tert-Butylbenzene	13.435	119	99779	9.636	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	116448	9.573	ug/l		99
85) sec-Butylbenzene	13.612	105	139108	9.686	ug/l		99
86) p-Isopropyltoluene	13.729	119	113316	9.572	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	57753	9.497	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	57656	9.412	ug/l		98
89) n-Butylbenzene	14.053	91	98010	9.340	ug/l		99
90) Hexachloroethane	14.329	117	18922	9.503	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	55856	9.473	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8165	9.646	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	26050	9.227	ug/l		99
94) Hexachlorobutadiene	15.494	225	10205	9.575	ug/l		97
95) Naphthalene	15.635	128	92844	9.277	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	24879	9.308	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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

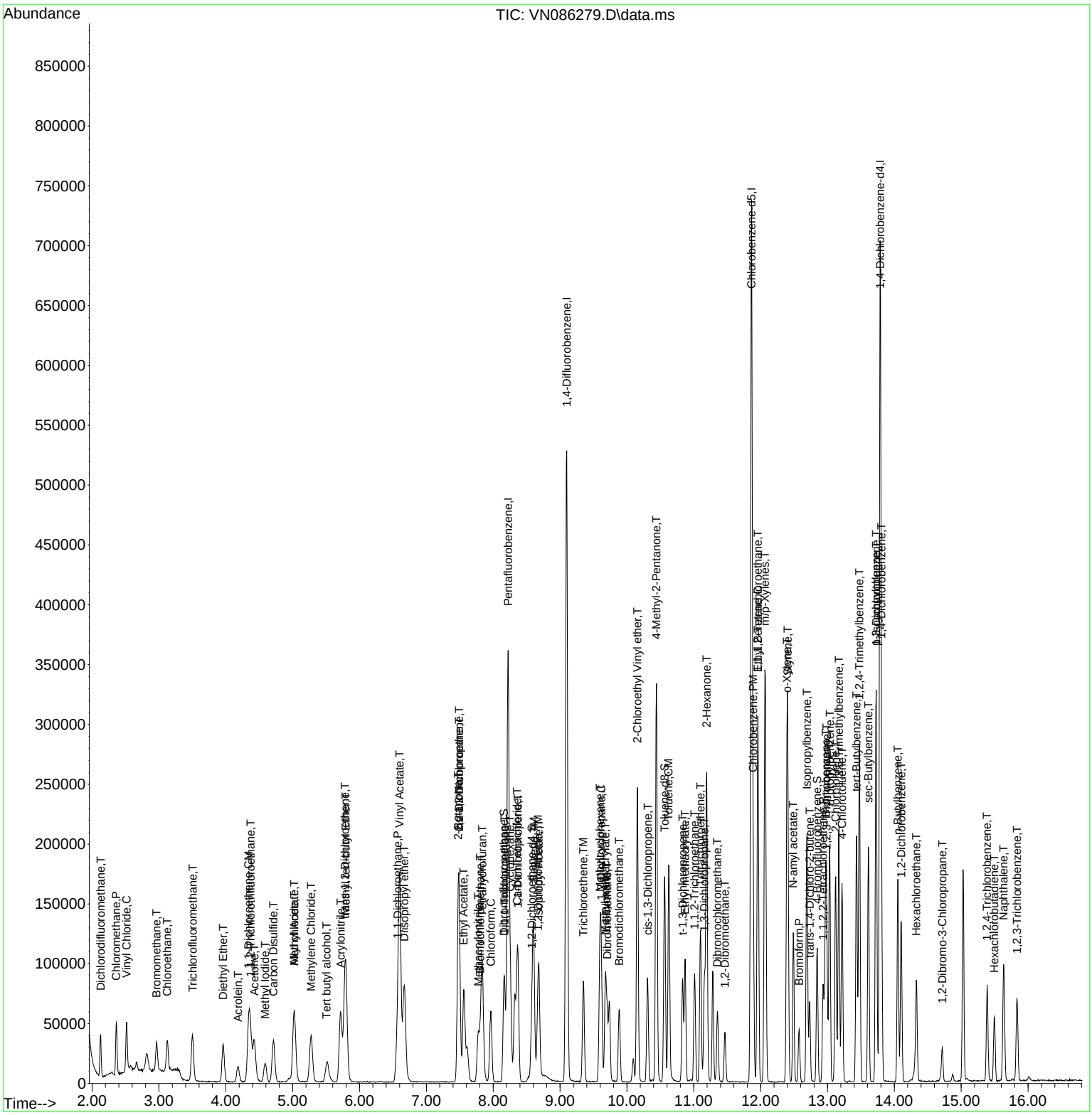
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	217195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	404366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	61458	19.513	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.020%#		
35) Dibromofluoromethane	8.165	113	37195	19.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.640%#		
50) Toluene-d8	10.565	98	191691	19.112	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.220%#		
62) 4-Bromofluorobenzene	12.847	95	68030	18.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.200%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	54177	21.042	ug/l	99
3) Chloromethane	2.359	50	71193	19.026	ug/l	98
4) Vinyl Chloride	2.518	62	73472	20.576	ug/l	99
5) Bromomethane	2.959	94	34343	21.382	ug/l	98
6) Chloroethane	3.124	64	47157	19.732	ug/l	99
7) Trichlorofluoromethane	3.501	101	80568	20.369	ug/l	98
8) Diethyl Ether	3.959	74	36034	20.868	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	49252	20.584	ug/l	99
10) Methyl Iodide	4.589	142	55289	21.017	ug/l	99
11) Tert butyl alcohol	5.512	59	61718	107.400	ug/l	97
12) 1,1-Dichloroethene	4.348	96	51127	20.000	ug/l	98
13) Acrolein	4.183	56	28121	95.627	ug/l	99
14) Allyl chloride	5.024	41	89076	19.612	ug/l	99
15) Acrylonitrile	5.712	53	148850	104.781	ug/l	100
16) Acetone	4.424	43	122726	109.479	ug/l	98
17) Carbon Disulfide	4.712	76	149518	19.534	ug/l	100
18) Methyl Acetate	5.024	43	75070	19.857	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	191056	20.332	ug/l	97
20) Methylene Chloride	5.277	84	58230	19.999	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	53894	20.165	ug/l	99
22) Diisopropyl ether	6.671	45	196831	19.911	ug/l	98
23) Vinyl Acetate	6.600	43	713534m	103.278	ug/l	
24) 1,1-Dichloroethane	6.565	63	104777	20.087	ug/l	99
25) 2-Butanone	7.477	43	202298	103.191	ug/l	99
26) 2,2-Dichloropropane	7.489	77	94147	20.159	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	66347	20.001	ug/l	99
28) Bromochloromethane	7.812	49	40391	18.263	ug/l	100
29) Tetrahydrofuran	7.836	42	136348	104.008	ug/l	99
30) Chloroform	7.965	83	103881	20.274	ug/l	100
31) Cyclohexane	8.253	56	101546	19.895	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	89173	20.344	ug/l	97
36) 1,1-Dichloropropene	8.365	75	75426	20.122	ug/l	99
37) Ethyl Acetate	7.553	43	79383	20.115	ug/l	99
38) Carbon Tetrachloride	8.359	117	72704	20.367	ug/l	99
39) Methylcyclohexane	9.594	83	88728	19.915	ug/l	98
40) Benzene	8.600	78	243918	20.310	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	45760	20.007	ug/l		100
42) 1,2-Dichloroethane	8.665	62	77932	20.348	ug/l		100
43) Isopropyl Acetate	8.683	43	157753	20.921	ug/l		99
44) Trichloroethene	9.353	130	56926	19.998	ug/l		99
45) 1,2-Dichloropropane	9.618	63	59599	20.273	ug/l		98
46) Dibromomethane	9.706	93	38601	20.608	ug/l		98
47) Bromodichloromethane	9.888	83	82517	20.397	ug/l		98
48) Methyl methacrylate	9.677	41	69986	20.195	ug/l		99
49) 1,4-Dioxane	9.694	88	24362	413.277	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	421471	104.297	ug/l		100
52) Toluene	10.630	92	152248	20.317	ug/l		99
53) t-1,3-Dichloropropene	10.830	75	92441	20.470	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	100415	20.245	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	53630	19.891	ug/l		97
56) Ethyl methacrylate	10.871	69	100712	20.321	ug/l		99
57) 1,3-Dichloropropane	11.159	76	97363	20.353	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	222766	94.702	ug/l		100
59) 2-Hexanone	11.194	43	309954	103.408	ug/l		100
60) Dibromochloromethane	11.359	129	60596	20.467	ug/l		100
61) 1,2-Dibromoethane	11.465	107	56679	20.834	ug/l		99
64) Tetrachloroethene	11.100	164	55481	20.282	ug/l		97
65) Chlorobenzene	11.888	112	158917	20.024	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	52389	20.010	ug/l		98
67) Ethyl Benzene	11.959	91	288483	20.144	ug/l		99
68) m/p-Xylenes	12.071	106	215301	40.122	ug/l		99
69) o-Xylene	12.394	106	107161	20.193	ug/l		99
70) Styrene	12.406	104	177099	20.029	ug/l		99
71) Bromoform	12.576	173	39697	20.138	ug/l	#	98
73) Isopropylbenzene	12.694	105	264607	20.443	ug/l		99
74) N-amyl acetate	12.488	43	126575	19.643	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	76740	20.620	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	74829m	20.130	ug/l		
77) Bromobenzene	12.976	156	59889	20.882	ug/l		99
78) n-propylbenzene	13.029	91	307737	20.176	ug/l		100
79) 2-Chlorotoluene	13.124	91	193569	20.281	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	216364	20.423	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	31256m	20.104	ug/l		
82) 4-Chlorotoluene	13.218	91	192849	20.341	ug/l		99
83) tert-Butylbenzene	13.435	119	182683	19.901	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	217135	20.135	ug/l		100
85) sec-Butylbenzene	13.612	105	252593	19.838	ug/l		99
86) p-Isopropyltoluene	13.723	119	208256	19.844	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	107491	19.938	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	108412	19.964	ug/l		99
89) n-Butylbenzene	14.053	91	184852	19.871	ug/l		99
90) Hexachloroethane	14.329	117	35250	19.968	ug/l		95
91) 1,2-Dichlorobenzene	14.100	146	104185	19.932	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15863	21.139	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	50179	20.048	ug/l		99
94) Hexachlorobutadiene	15.494	225	19024	20.135	ug/l		99
95) Naphthalene	15.635	128	183816	20.717	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	47425	20.013	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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

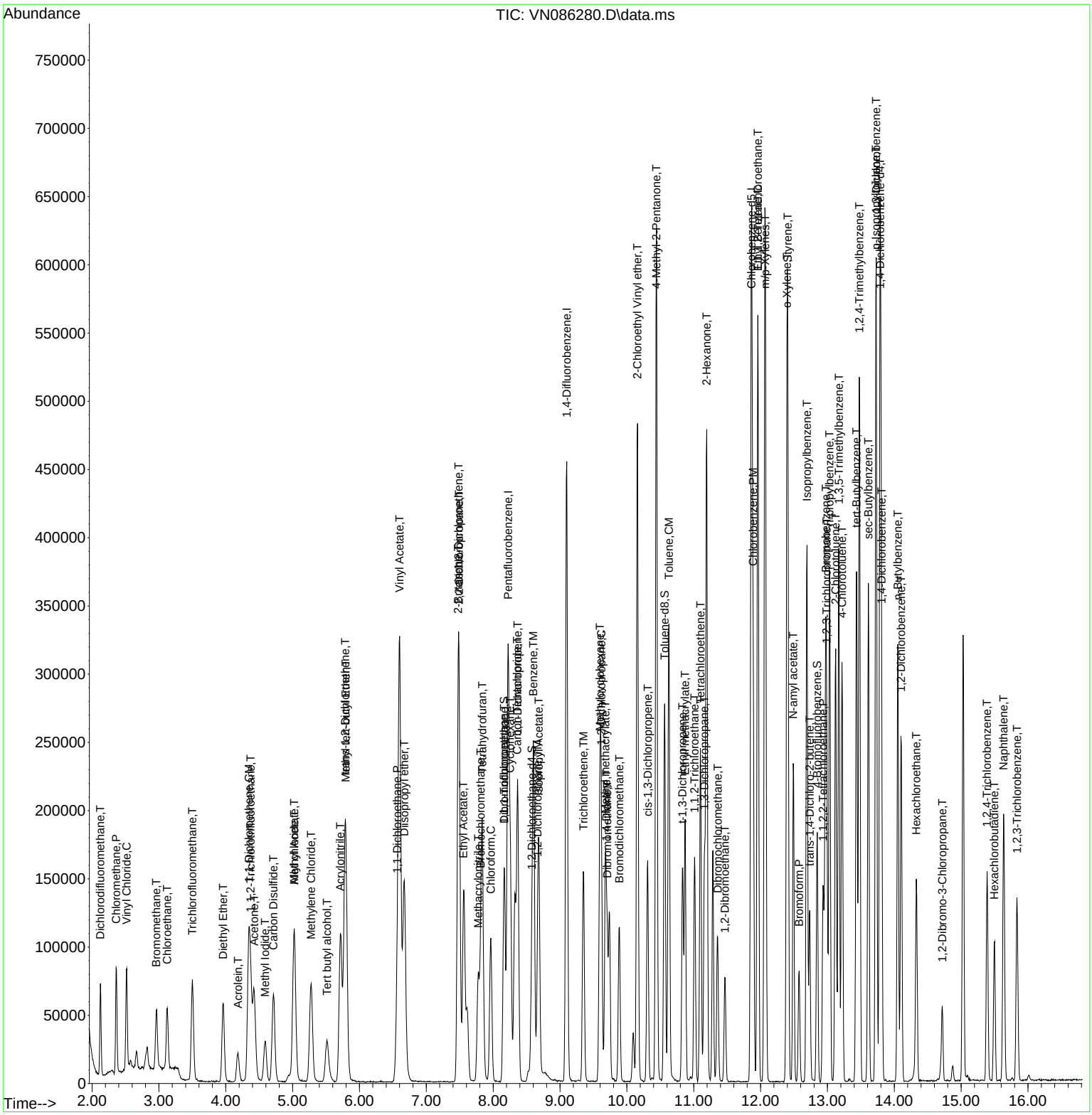
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	223468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	413969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	367304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160758	49.609	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.220%			
35) Dibromofluoromethane	8.165	113	88836	46.238	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.480%			
50) Toluene-d8	10.565	98	517785	50.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.847	95	190049	50.744	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	132017	49.836	ug/l	100
3) Chloromethane	2.359	50	168565	43.783	ug/l	100
4) Vinyl Chloride	2.518	62	176686	48.092	ug/l	100
5) Bromomethane	2.953	94	79546	48.135	ug/l	100
6) Chloroethane	3.118	64	111725	45.437	ug/l	100
7) Trichlorofluoromethane	3.501	101	192876	47.395	ug/l	100
8) Diethyl Ether	3.959	74	83664	47.092	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	117478	47.719	ug/l	100
10) Methyl Iodide	4.589	142	133779	49.427	ug/l	100
11) Tert butyl alcohol	5.512	59	138743	234.659	ug/l	100
12) 1,1-Dichloroethene	4.342	96	123106	46.805	ug/l	100
13) Acrolein	4.177	56	68075	246.717	ug/l	100
14) Allyl chloride	5.024	41	207525	44.409	ug/l	100
15) Acrylonitrile	5.712	53	354632	242.632	ug/l	100
16) Acetone	4.424	43	280935	250.761	ug/l	100
17) Carbon Disulfide	4.712	76	348133	44.205	ug/l	100
18) Methyl Acetate	5.018	43	174600	44.886	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	449127	46.453	ug/l	100
20) Methylene Chloride	5.271	84	138293	46.163	ug/l	100
21) trans-1,2-Dichloroethene	5.789	96	128404	46.696	ug/l	100
22) Diisopropyl ether	6.665	45	471385	46.345	ug/l	100
23) Vinyl Acetate	6.600	43	1657348	233.153	ug/l	100
24) 1,1-Dichloroethane	6.565	63	253896	47.310	ug/l	100
25) 2-Butanone	7.477	43	475281	235.633	ug/l	100
26) 2,2-Dichloropropane	7.483	77	219735	45.729	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	159460	46.722	ug/l	100
28) Bromochloromethane	7.806	49	110726	48.660	ug/l	100
29) Tetrahydrofuran	7.836	42	313920	232.739	ug/l	100
30) Chloroform	7.965	83	246843	46.823	ug/l	100
31) Cyclohexane	8.253	56	238117	45.343	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	212021	47.013	ug/l	100
36) 1,1-Dichloropropene	8.365	75	183246	47.752	ug/l	100
37) Ethyl Acetate	7.553	43	184834	45.750	ug/l	100
38) Carbon Tetrachloride	8.359	117	175094	47.912	ug/l	100
39) Methylcyclohexane	9.594	83	216725	47.515	ug/l	100
40) Benzene	8.600	78	583316	47.443	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	109214	46.643 ug/l		100
42) 1,2-Dichloroethane	8.665	62	183854	46.892 ug/l		100
43) Isopropyl Acetate	8.683	43	358327	49.550 ug/l		100
44) Trichloroethene	9.347	130	139993	48.039 ug/l		100
45) 1,2-Dichloropropane	9.618	63	144496	48.011 ug/l		100
46) Dibromomethane	9.706	93	93965	49.002 ug/l		100
47) Bromodichloromethane	9.882	83	196793	47.516 ug/l		100
48) Methyl methacrylate	9.677	41	163719	46.146 ug/l		100
49) 1,4-Dioxane	9.694	88	53851	892.337 ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	1000994	241.959 ug/l		100
52) Toluene	10.629	92	369349	48.144 ug/l		100
53) t-1,3-Dichloropropene	10.829	75	226518	48.996 ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	238764	47.021 ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	131721	47.721 ug/l		100
56) Ethyl methacrylate	10.871	69	239654	47.235 ug/l		100
57) 1,3-Dichloropropane	11.159	76	233548	47.689 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	594475	246.859 ug/l		100
59) 2-Hexanone	11.194	43	734660	239.414 ug/l		100
60) Dibromochloromethane	11.359	129	146318	48.274 ug/l		100
61) 1,2-Dibromoethane	11.465	107	134281	48.213 ug/l		100
64) Tetrachloroethene	11.100	164	136116	48.177 ug/l		100
65) Chlorobenzene	11.888	112	385849	47.072 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	127627	47.197 ug/l		100
67) Ethyl Benzene	11.959	91	704474	47.627 ug/l		100
68) m/p-Xylenes	12.065	106	533742	96.302 ug/l		100
69) o-Xylene	12.394	106	261904	47.783 ug/l		100
70) Styrene	12.406	104	447486	48.998 ug/l		100
71) Bromoform	12.576	173	95822	47.065 ug/l	#	100
73) Isopropylbenzene	12.694	105	647490	45.568 ug/l		100
74) N-amyl acetate	12.488	43	308916	43.670 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	179865	44.025 ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	181010m	44.357 ug/l		
77) Bromobenzene	12.976	156	147720	46.919 ug/l		100
78) n-propylbenzene	13.035	91	779530	46.556 ug/l		100
79) 2-Chlorotoluene	13.123	91	479235	45.740 ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	535465	46.042 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	80078m	46.919 ug/l		
82) 4-Chlorotoluene	13.218	91	488049	46.893 ug/l		100
83) tert-Butylbenzene	13.435	119	452999	44.954 ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	550727	46.521 ug/l		100
85) sec-Butylbenzene	13.612	105	653679	46.767 ug/l		100
86) p-Isopropyltoluene	13.723	119	548528	47.611 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	279645	47.249 ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	280378	47.032 ug/l		100
89) n-Butylbenzene	14.053	91	492941	48.271 ug/l		100
90) Hexachloroethane	14.329	117	90009	46.447 ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	270731	47.181 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	38625	46.887 ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	132919	48.375 ug/l		100
94) Hexachlorobutadiene	15.500	225	48694	46.947 ug/l		100
95) Naphthalene	15.635	128	464685	47.708 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	122910	47.249 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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

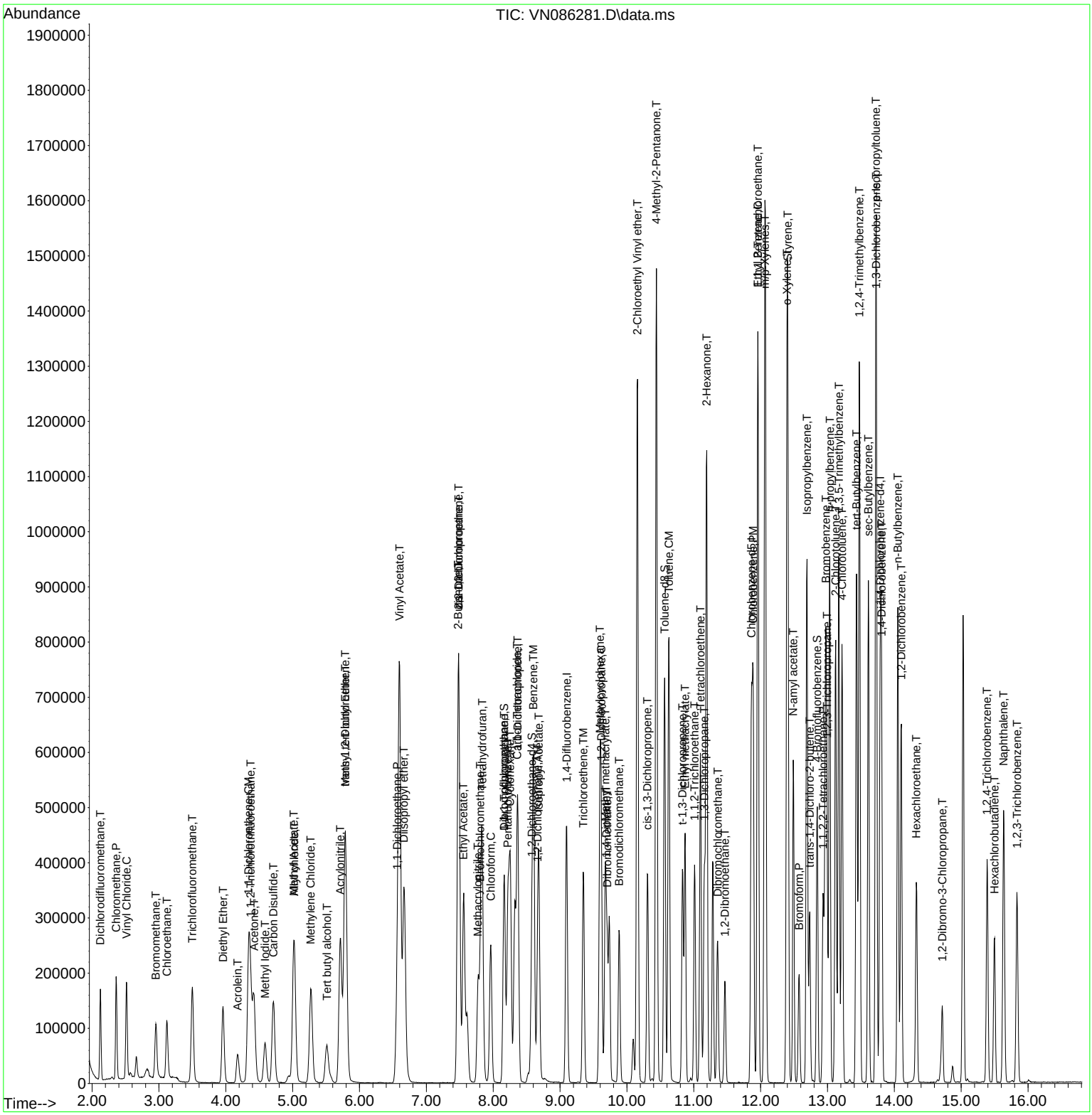
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	228089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	422902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	322920	97.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 195.260%#			
35) Dibromofluoromethane	8.165	113	163696	83.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 166.800%#			
50) Toluene-d8	10.565	98	1046538	99.767	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.540%#			
62) 4-Bromofluorobenzene	12.847	95	394671	103.153	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	270450	100.025	ug/l	100
3) Chloromethane	2.359	50	362586	92.270	ug/l	99
4) Vinyl Chloride	2.512	62	359654	95.910	ug/l	99
5) Bromomethane	2.930	94	157044	93.105	ug/l	99
6) Chloroethane	3.106	64	232218	92.528	ug/l	98
7) Trichlorofluoromethane	3.494	101	398967	96.050	ug/l	97
8) Diethyl Ether	3.959	74	172130	94.924	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	242697	96.585	ug/l	99
10) Methyl Iodide	4.583	142	287740	104.156	ug/l	99
11) Tert butyl alcohol	5.518	59	262412	434.831	ug/l	99
12) 1,1-Dichloroethene	4.336	96	254035	94.627	ug/l	97
13) Acrolein	4.171	56	137131	502.553	ug/l	97
14) Allyl chloride	5.018	41	435112	91.225	ug/l	98
15) Acrylonitrile	5.712	53	713644	478.368	ug/l	99
16) Acetone	4.424	43	563323	498.290	ug/l	99
17) Carbon Disulfide	4.712	76	685619	85.294	ug/l	99
18) Methyl Acetate	5.018	43	374831	94.410	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	918634	93.089	ug/l	99
20) Methylene Chloride	5.271	84	286733	93.774	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	264504	94.241	ug/l	100
22) Diisopropyl ether	6.665	45	970652	93.497	ug/l	99
23) Vinyl Acetate	6.600	43	3184505	438.915	ug/l	99
24) 1,1-Dichloroethane	6.565	63	525385	95.914	ug/l	100
25) 2-Butanone	7.477	43	958217	465.437	ug/l	99
26) 2,2-Dichloropropane	7.488	77	470852	96.005	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	328329	94.252	ug/l	100
28) Bromochloromethane	7.812	49	230762	99.357	ug/l	99
29) Tetrahydrofuran	7.835	42	623822	453.130	ug/l	100
30) Chloroform	7.959	83	503712	93.611	ug/l	100
31) Cyclohexane	8.253	56	484648	90.418	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	432964	94.058	ug/l	97
36) 1,1-Dichloropropene	8.365	75	378663	96.591	ug/l	100
37) Ethyl Acetate	7.553	43	371298	89.962	ug/l	100
38) Carbon Tetrachloride	8.359	117	360081	96.450	ug/l	99
39) Methylcyclohexane	9.600	83	448842	96.325	ug/l	98
40) Benzene	8.600	78	1193479	95.020	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	219337	91.695	ug/l		100
42) 1,2-Dichloroethane	8.665	62	377081	94.143	ug/l		99
43) Isopropyl Acetate	8.682	43	704184	100.085	ug/l		100
44) Trichloroethene	9.347	130	288832	97.020	ug/l		98
45) 1,2-Dichloropropane	9.618	63	293625	95.501	ug/l		99
46) Dibromomethane	9.706	93	191324	97.667	ug/l		100
47) Bromodichloromethane	9.882	83	403514	95.372	ug/l		97
48) Methyl methacrylate	9.676	41	326384	90.052	ug/l		98
49) 1,4-Dioxane	9.688	88	98711	1601.137	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	1989761	470.803	ug/l		99
52) Toluene	10.629	92	757019	96.592	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	468739	99.248	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	496721	95.755	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	264481	93.795	ug/l		97
56) Ethyl methacrylate	10.870	69	494791	95.461	ug/l		100
57) 1,3-Dichloropropane	11.159	76	482562	96.455	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	1242387	505.011	ug/l		99
59) 2-Hexanone	11.194	43	1476474	470.996	ug/l		100
60) Dibromochloromethane	11.359	129	301498	97.371	ug/l		100
61) 1,2-Dibromoethane	11.465	107	273587	96.156	ug/l		100
64) Tetrachloroethene	11.100	164	281669	96.294	ug/l		97
65) Chlorobenzene	11.888	112	805194	94.881	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	264532	94.488	ug/l		100
67) Ethyl Benzene	11.959	91	1476238	96.398	ug/l		100
68) m/p-Xylenes	12.070	106	1117098	194.681	ug/l		98
69) o-Xylene	12.394	106	546019	96.221	ug/l		99
70) Styrene	12.406	104	947293	100.188	ug/l		100
71) Bromoform	12.576	173	201110	95.410	ug/l	#	99
73) Isopropylbenzene	12.694	105	1351009	90.597	ug/l		100
74) N-amyl acetate	12.488	43	641647	86.431	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	359278	83.793	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	379247m	88.555	ug/l		
77) Bromobenzene	12.976	156	303696	91.913	ug/l		98
78) n-propylbenzene	13.035	91	1640989	93.386	ug/l		99
79) 2-Chlorotoluene	13.123	91	1000943	91.031	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	1125981	92.254	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	175887m	98.197	ug/l		
82) 4-Chlorotoluene	13.217	91	1025113	93.852	ug/l		99
83) tert-Butylbenzene	13.435	119	975268	92.219	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	1150791	92.628	ug/l		100
85) sec-Butylbenzene	13.611	105	1359583	92.684	ug/l		99
86) p-Isopropyltoluene	13.723	119	1161224	96.040	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	586366	94.402	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	582329	93.077	ug/l		100
89) n-Butylbenzene	14.053	91	1061099	99.009	ug/l		99
90) Hexachloroethane	14.329	117	196292	96.516	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	547527	90.920	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	77795	89.984	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	281040	97.461	ug/l		100
94) Hexachlorobutadiene	15.500	225	101506	93.251	ug/l		99
95) Naphthalene	15.635	128	975079	95.390	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	258567	94.712	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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

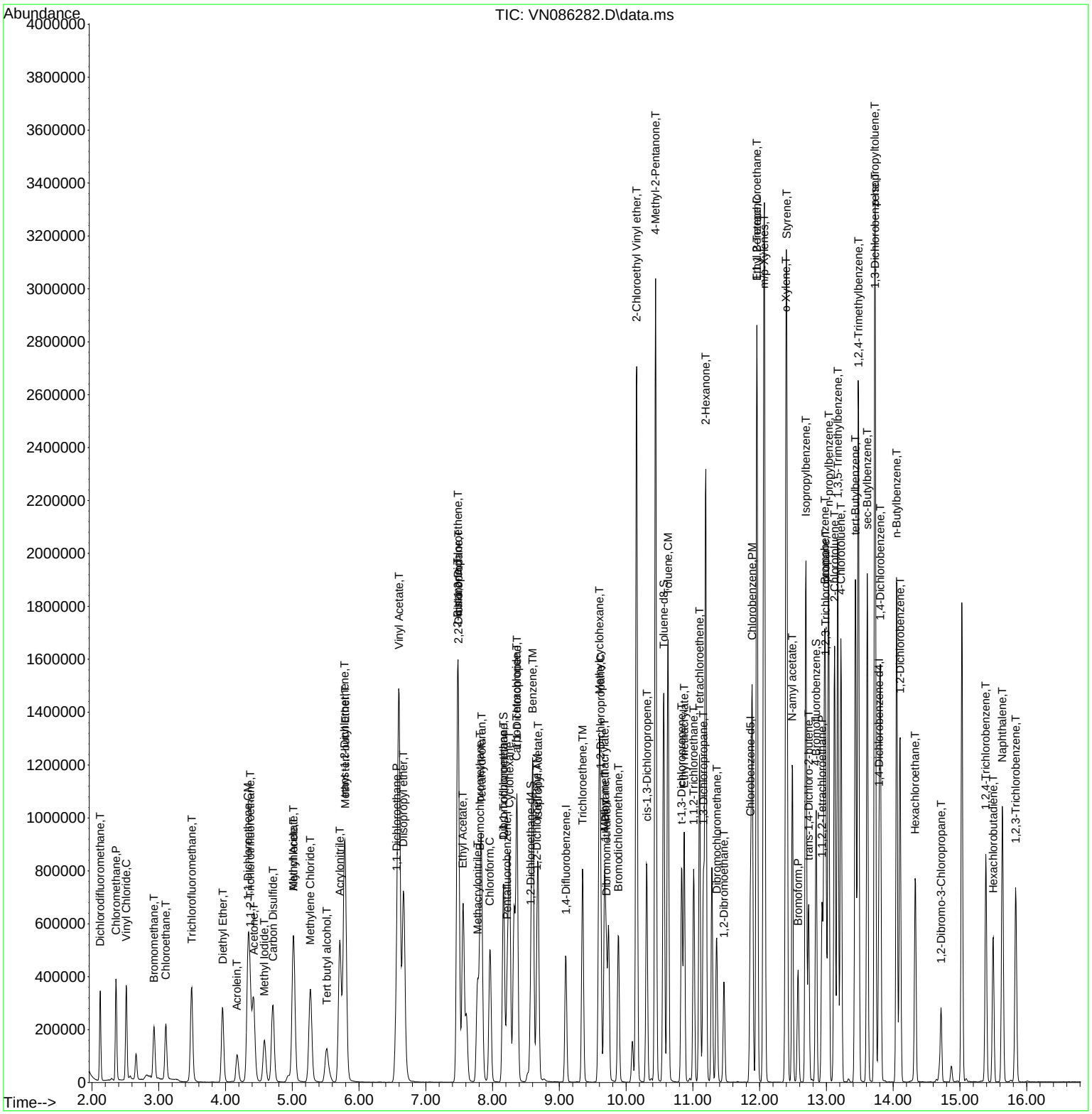
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	232806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	435528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	384601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	169181	50.114	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.220%			
35) Dibromofluoromethane	8.165	113	96752	47.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	10.565	98	542858	50.251	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.847	95	196820	49.950	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	138594	50.220	ug/l	100
3) Chloromethane	2.359	50	185786	46.321	ug/l	99
4) Vinyl Chloride	2.518	62	183873	48.040	ug/l	98
5) Bromomethane	2.953	94	88943	51.662	ug/l	98
6) Chloroethane	3.118	64	119261	46.557	ug/l	99
7) Trichlorofluoromethane	3.500	101	203630	48.030	ug/l	96
8) Diethyl Ether	3.959	74	88034	47.564	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	124024	48.357	ug/l	99
10) Methyl Iodide	4.589	142	148899	52.806	ug/l	98
11) Tert butyl alcohol	5.512	59	143880	233.586	ug/l	99
12) 1,1-Dichloroethene	4.336	96	129546	47.278	ug/l	98
13) Acrolein	4.177	56	72276	251.743	ug/l	99
14) Allyl chloride	5.024	41	220559	45.280	ug/l	99
15) Acrylonitrile	5.712	53	372009	244.312	ug/l	99
16) Acetone	4.424	43	297097	254.646	ug/l	100
17) Carbon Disulfide	4.712	76	360863	43.983	ug/l	99
18) Methyl Acetate	5.018	43	184731	45.586	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	474584	47.117	ug/l	99
20) Methylene Chloride	5.271	84	145872	46.740	ug/l	100
21) trans-1,2-Dichloroethene	5.788	96	134526	46.960	ug/l	99
22) Diisopropyl ether	6.665	45	491946	46.426	ug/l	98
23) Vinyl Acetate	6.600	43	1738360	234.680	ug/l	100
24) 1,1-Dichloroethane	6.565	63	264324	47.277	ug/l	99
25) 2-Butanone	7.477	43	501652	238.732	ug/l	98
26) 2,2-Dichloropropane	7.488	77	233882	46.721	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	167485	47.105	ug/l	98
28) Bromochloromethane	7.812	49	113893	48.044	ug/l	100
29) Tetrahydrofuran	7.835	42	326414	232.296	ug/l	100
30) Chloroform	7.959	83	258393	47.047	ug/l	99
31) Cyclohexane	8.253	56	247077	45.162	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	222630	47.385	ug/l	97
36) 1,1-Dichloropropene	8.371	75	191295	47.382	ug/l	100
37) Ethyl Acetate	7.553	43	195455	45.984	ug/l	100
38) Carbon Tetrachloride	8.359	117	182531	47.475	ug/l	98
39) Methylcyclohexane	9.594	83	220275	45.902	ug/l	97
40) Benzene	8.600	78	610128	47.168	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	113052	45.892	ug/l		98
42) 1,2-Dichloroethane	8.665	62	195922	47.496	ug/l		100
43) Isopropyl Acetate	8.682	43	370579	48.649	ug/l		100
44) Trichloroethene	9.347	130	145334	47.403	ug/l		99
45) 1,2-Dichloropropane	9.618	63	149775	47.302	ug/l		98
46) Dibromomethane	9.706	93	98395	48.772	ug/l		100
47) Bromodichloromethane	9.882	83	207763	47.682	ug/l		99
48) Methyl methacrylate	9.676	41	170007	45.546	ug/l		98
49) 1,4-Dioxane	9.688	88	59040	929.893	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	1036849	238.220	ug/l		99
52) Toluene	10.629	92	383010	47.453	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	235221	48.360	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	250676	46.923	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	136227	46.911	ug/l		97
56) Ethyl methacrylate	10.871	69	253092	47.414	ug/l		99
57) 1,3-Dichloropropane	11.159	76	246129	47.770	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	612932	241.924	ug/l		99
59) 2-Hexanone	11.188	43	759846	235.364	ug/l		99
60) Dibromochloromethane	11.353	129	152321	47.767	ug/l		99
61) 1,2-Dibromoethane	11.465	107	139994	47.777	ug/l		100
64) Tetrachloroethene	11.100	164	140342	47.439	ug/l		99
65) Chlorobenzene	11.888	112	401122	46.735	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	133755	47.238	ug/l		99
67) Ethyl Benzene	11.959	91	730984	47.196	ug/l		100
68) m/p-Xylenes	12.070	106	551289	94.994	ug/l		100
69) o-Xylene	12.394	106	269992	47.043	ug/l		100
70) Styrene	12.406	104	460331	48.138	ug/l		100
71) Bromoform	12.576	173	101548	47.634	ug/l	#	98
73) Isopropylbenzene	12.694	105	667602	46.930	ug/l		100
74) N-amyl acetate	12.488	43	320394	45.241	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	186111	45.501	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	187464m	45.680	ug/l		
77) Bromobenzene	12.976	156	150856	47.860	ug/l		98
78) n-propylbenzene	13.029	91	794892	47.420	ug/l		99
79) 2-Chlorotoluene	13.123	91	493124	47.012	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	550039	47.241	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	84822m	49.639	ug/l		
82) 4-Chlorotoluene	13.217	91	495478	47.552	ug/l		99
83) tert-Butylbenzene	13.435	119	461626	45.757	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	561084	47.342	ug/l		100
85) sec-Butylbenzene	13.612	105	650246	46.468	ug/l		99
86) p-Isopropyltoluene	13.729	119	546663	47.395	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	278387	46.983	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	282403	47.319	ug/l		99
89) n-Butylbenzene	14.053	91	482335	47.178	ug/l		100
90) Hexachloroethane	14.329	117	92416	47.634	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	273135	47.545	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39601	48.017	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	131639	47.854	ug/l		100
94) Hexachlorobutadiene	15.500	225	48079	46.301	ug/l		100
95) Naphthalene	15.635	128	472042	48.408	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	123220	47.314	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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

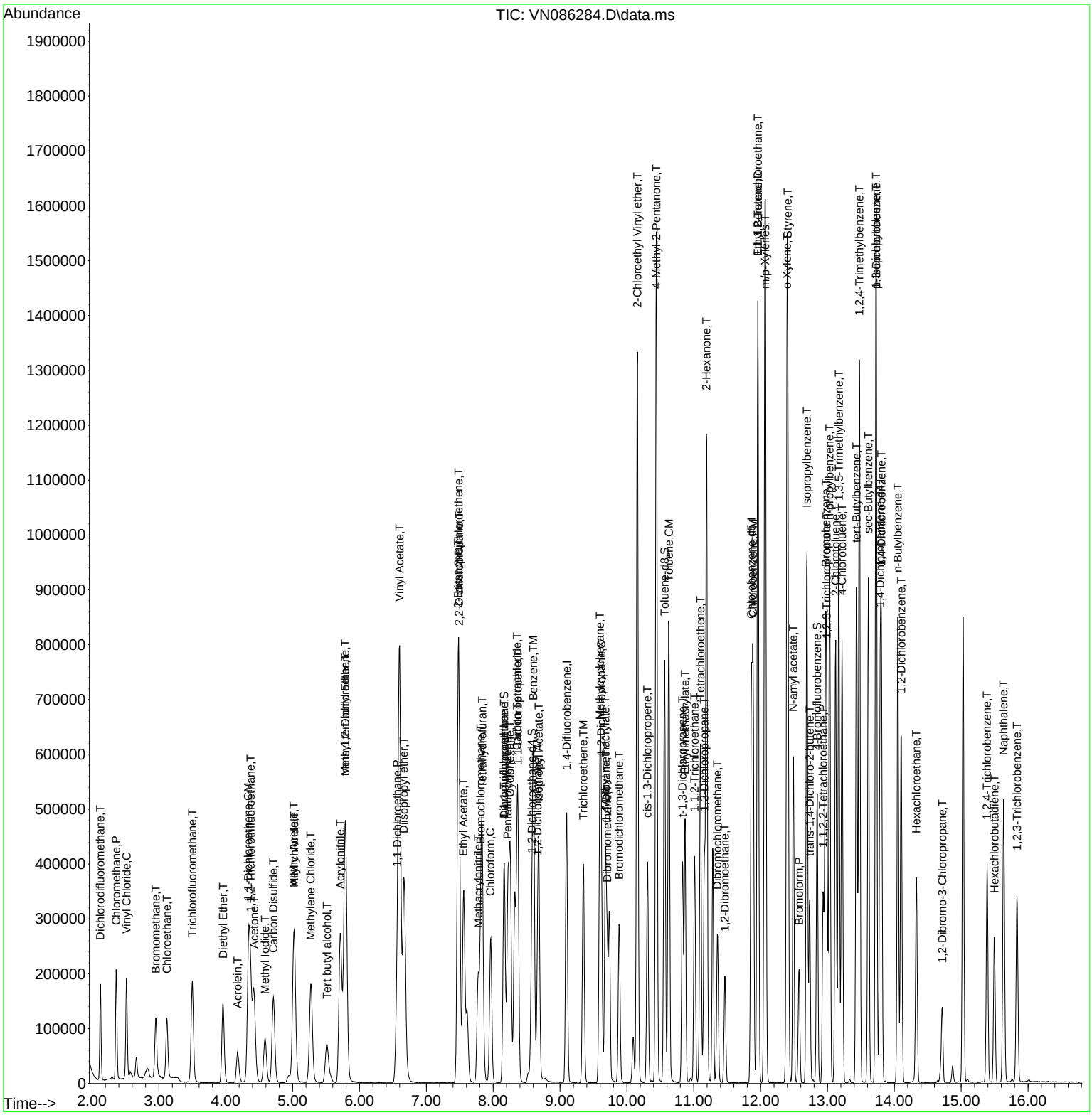
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	104	0.00
2	T	Dichlorodifluoromethane	0.593	0.595	-0.3	105	0.00
3	P	Chloromethane	0.861	0.798	7.3	110	0.00
4	C	Vinyl Chloride	0.822	0.790	3.9#	104	0.00
5	T	Bromomethane	0.370	0.382	-3.2	112	0.00
6	T	Chloroethane	0.550	0.512	6.9	107	0.00
7	T	Trichlorofluoromethane	0.911	0.875	4.0	106	0.00
8	T	Diethyl Ether	0.398	0.378	5.0	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.551	0.533	3.3	106	0.00
10	T	Methyl Iodide	0.606	0.640	-5.6	111	0.00
11	T	Tert butyl alcohol	0.132	0.124	6.1	104	0.00
12	CM	1,1-Dichloroethene	0.588	0.556	5.4#	105	0.00
13	T	Acrolein	0.075	0.062	17.3	106	0.00
14	T	Allyl chloride	1.046	0.947	9.5	106	0.00
15	T	Acrylonitrile	0.327	0.320	2.1	105	0.00
16	T	Acetone	0.290	0.255	12.1	106	0.00
17	T	Carbon Disulfide	1.762	1.550	12.0	104	0.00
18	T	Methyl Acetate	0.870	0.793	8.9	106	0.00
19	T	Methyl tert-butyl Ether	2.163	2.039	5.7	106	0.00
20	T	Methylene Chloride	0.670	0.627	6.4	105	0.00
21	T	trans-1,2-Dichloroethene	0.615	0.578	6.0	105	0.00
22	T	Diisopropyl ether	2.276	2.113	7.2	104	0.00
23	T	Vinyl Acetate	1.591	1.493	6.2	105	0.00
24	P	1,1-Dichloroethane	1.201	1.135	5.5	104	0.00
25	T	2-Butanone	0.451	0.431	4.4	106	0.00
26	T	2,2-Dichloropropane	1.075	1.005	6.5	106	0.00
27	T	cis-1,2-Dichloroethene	0.764	0.719	5.9	105	0.00
28	T	Bromochloromethane	0.509	0.489	3.9	103	0.00
29	T	Tetrahydrofuran	0.302	0.280	7.3	104	0.00
30	C	Chloroform	1.180	1.110	5.9#	105	0.00
31	T	Cyclohexane	1.175	1.061	9.7	104	0.00
32	T	1,1,1-Trichloroethane	1.009	0.956	5.3	105	0.00
33	S	1,2-Dichloroethane-d4	0.725	0.727	-0.3	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.232	0.222	4.3	109	0.00
36	T	1,1-Dichloropropene	0.463	0.439	5.2	104	0.00
37	T	Ethyl Acetate	0.488	0.449	8.0	106	0.00
38	T	Carbon Tetrachloride	0.441	0.419	5.0	104	0.00
39	T	Methylcyclohexane	0.551	0.506	8.2	102	0.00
40	TM	Benzene	1.485	1.401	5.7	105	0.00
41	T	Methacrylonitrile	0.283	0.260	8.1	104	0.00
42	TM	1,2-Dichloroethane	0.474	0.450	5.1	107	0.00
43	T	Isopropyl Acetate	1.177	0.851	27.7#	103	0.00
44	TM	Trichloroethene	0.352	0.334	5.1	104	0.00
45	C	1,2-Dichloropropane	0.364	0.344	5.5#	104	0.00
46	T	Dibromomethane	0.232	0.226	2.6	105	0.00
47	T	Bromodichloromethane	0.500	0.477	4.6	106	0.00
48	T	Methyl methacrylate	0.429	0.390	9.1	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	0.007	0.007	0.0	110	0.00
50	S	Toluene-d8	1.240	1.246	-0.5	105	0.00
51	T	4-Methyl-2-Pentanone	0.500	0.476	4.8	104	0.00
52	CM	Toluene	0.927	0.879	5.2#	104	0.00
53	T	t-1,3-Dichloropropene	0.558	0.540	3.2	104	0.00
54	T	cis-1,3-Dichloropropene	0.613	0.576	6.0	105	0.00
55	T	1,1,2-Trichloroethane	0.333	0.313	6.0	103	0.00
56	T	Ethyl methacrylate	0.613	0.581	5.2	106	0.00
57	T	1,3-Dichloropropane	0.592	0.565	4.6	105	0.00
58	T	2-Chloroethyl Vinyl ether	0.291	0.281	3.4	103	0.00
59	T	2-Hexanone	0.371	0.349	5.9	103	0.00
60	T	Dibromochloromethane	0.366	0.350	4.4	104	0.00
61	T	1,2-Dibromoethane	0.336	0.321	4.5	104	0.00
62	S	4-Bromofluorobenzene	0.452	0.452	0.0	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.385	0.365	5.2	103	0.00
65	PM	Chlorobenzene	1.116	1.043	6.5	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.368	0.348	5.4	105	0.00
67	C	Ethyl Benzene	2.014	1.901	5.6#	104	0.00
68	T	m/p-Xylenes	0.754	0.717	4.9	103	0.00
69	T	o-Xylene	0.746	0.702	5.9	103	0.00
70	T	Styrene	1.243	1.197	3.7	103	0.00
71	P	Bromoform	0.277	0.264	4.7	106	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	4.090	3.839	6.1	103	0.00
74	T	N-amyl acetate	2.036	1.842	9.5	104	0.00
75	P	1,1,2,2-Tetrachloroethane	1.176	1.070	9.0	103	0.00
76	T	1,2,3-Trichloropropane	1.180	1.078	8.6	104	0.00
77	T	Bromobenzene	0.906	0.867	4.3	102	0.00
78	T	n-propylbenzene	4.820	4.571	5.2	102	0.00
79	T	2-Chlorotoluene	3.016	2.836	6.0	103	0.00
80	T	1,3,5-Trimethylbenzene	3.348	3.163	5.5	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.491	0.488	0.6	106	0.00
82	T	4-Chlorotoluene	2.996	2.849	4.9	102	0.00
83	T	tert-Butylbenzene	2.901	2.655	8.5	102	0.00
84	T	1,2,4-Trimethylbenzene	3.408	3.226	5.3	102	0.00
85	T	sec-Butylbenzene	4.023	3.739	7.1	99	0.00
86	T	p-Isopropyltoluene	3.316	3.144	5.2	100	0.00
87	T	1,3-Dichlorobenzene	1.704	1.601	6.0	100	0.00
88	T	1,4-Dichlorobenzene	1.716	1.624	5.4	101	0.00
89	T	n-Butylbenzene	2.939	2.774	5.6	98	0.00
90	T	Hexachloroethane	0.558	0.531	4.8	103	0.00
91	T	1,2-Dichlorobenzene	1.652	1.571	4.9	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.228	3.8	103	0.00
93	T	1,2,4-Trichlorobenzene	0.791	0.757	4.3	99	0.00
94	T	Hexachlorobutadiene	0.299	0.276	7.7	99	0.00
95	T	Naphthalene	2.804	2.714	3.2	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	0.749	0.709	5.3	100	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	104	0.00
2	T	Dichlorodifluoromethane	50.000	50.220	-0.4	105	0.00
3	P	Chloromethane	50.000	46.321	7.4	110	0.00
4	C	Vinyl Chloride	50.000	48.040	3.9#	104	0.00
5	T	Bromomethane	50.000	51.662	-3.3	112	0.00
6	T	Chloroethane	50.000	46.557	6.9	107	0.00
7	T	Trichlorofluoromethane	50.000	48.030	3.9	106	0.00
8	T	Diethyl Ether	50.000	47.564	4.9	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.357	3.3	106	0.00
10	T	Methyl Iodide	50.000	52.806	-5.6	111	0.00
11	T	Tert butyl alcohol	250.000	233.586	6.6	104	0.00
12	CM	1,1-Dichloroethene	50.000	47.278	5.4#	105	0.00
13	T	Acrolein	250.000	251.743	-0.7	106	0.00
14	T	Allyl chloride	50.000	45.280	9.4	106	0.00
15	T	Acrylonitrile	250.000	244.312	2.3	105	0.00
16	T	Acetone	250.000	254.646	-1.9	106	0.00
17	T	Carbon Disulfide	50.000	43.983	12.0	104	0.00
18	T	Methyl Acetate	50.000	45.586	8.8	106	0.00
19	T	Methyl tert-butyl Ether	50.000	47.117	5.8	106	0.00
20	T	Methylene Chloride	50.000	46.740	6.5	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.960	6.1	105	0.00
22	T	Diisopropyl ether	50.000	46.426	7.1	104	0.00
23	T	Vinyl Acetate	250.000	234.680	6.1	105	0.00
24	P	1,1-Dichloroethane	50.000	47.277	5.4	104	0.00
25	T	2-Butanone	250.000	238.732	4.5	106	0.00
26	T	2,2-Dichloropropane	50.000	46.721	6.6	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.105	5.8	105	0.00
28	T	Bromochloromethane	50.000	48.044	3.9	103	0.00
29	T	Tetrahydrofuran	250.000	232.296	7.1	104	0.00
30	C	Chloroform	50.000	47.047	5.9#	105	0.00
31	T	Cyclohexane	50.000	45.162	9.7	104	0.00
32	T	1,1,1-Trichloroethane	50.000	47.385	5.2	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.114	-0.2	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	47.865	4.3	109	0.00
36	T	1,1-Dichloropropene	50.000	47.382	5.2	104	0.00
37	T	Ethyl Acetate	50.000	45.984	8.0	106	0.00
38	T	Carbon Tetrachloride	50.000	47.475	5.0	104	0.00
39	T	Methylcyclohexane	50.000	45.902	8.2	102	0.00
40	TM	Benzene	50.000	47.168	5.7	105	0.00
41	T	Methacrylonitrile	50.000	45.892	8.2	104	0.00
42	TM	1,2-Dichloroethane	50.000	47.496	5.0	107	0.00
43	T	Isopropyl Acetate	50.000	48.649	2.7	103	0.00
44	TM	Trichloroethene	50.000	47.403	5.2	104	0.00
45	C	1,2-Dichloropropane	50.000	47.302	5.4#	104	0.00
46	T	Dibromomethane	50.000	48.772	2.5	105	0.00
47	T	Bromodichloromethane	50.000	47.682	4.6	106	0.00
48	T	Methyl methacrylate	50.000	45.546	8.9	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	929.893	7.0	110	0.00
50	S	Toluene-d8	50.000	50.251	-0.5	105	0.00
51	T	4-Methyl-2-Pentanone	250.000	238.220	4.7	104	0.00
52	CM	Toluene	50.000	47.453	5.1#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	48.360	3.3	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.923	6.2	105	0.00
55	T	1,1,2-Trichloroethane	50.000	46.911	6.2	103	0.00
56	T	Ethyl methacrylate	50.000	47.414	5.2	106	0.00
57	T	1,3-Dichloropropane	50.000	47.770	4.5	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	241.924	3.2	103	0.00
59	T	2-Hexanone	250.000	235.364	5.9	103	0.00
60	T	Dibromochloromethane	50.000	47.767	4.5	104	0.00
61	T	1,2-Dibromoethane	50.000	47.777	4.4	104	0.00
62	S	4-Bromofluorobenzene	50.000	49.950	0.1	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	47.439	5.1	103	0.00
65	PM	Chlorobenzene	50.000	46.735	6.5	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.238	5.5	105	0.00
67	C	Ethyl Benzene	50.000	47.196	5.6#	104	0.00
68	T	m/p-Xylenes	100.000	94.994	5.0	103	0.00
69	T	o-Xylene	50.000	47.043	5.9	103	0.00
70	T	Styrene	50.000	48.138	3.7	103	0.00
71	P	Bromoform	50.000	47.634	4.7	106	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	46.930	6.1	103	0.00
74	T	N-amyl acetate	50.000	45.241	9.5	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.501	9.0	103	0.00
76	T	1,2,3-Trichloropropane	50.000	45.680	8.6	104	0.00
77	T	Bromobenzene	50.000	47.860	4.3	102	0.00
78	T	n-propylbenzene	50.000	47.420	5.2	102	0.00
79	T	2-Chlorotoluene	50.000	47.012	6.0	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.241	5.5	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.639	0.7	106	0.00
82	T	4-Chlorotoluene	50.000	47.552	4.9	102	0.00
83	T	tert-Butylbenzene	50.000	45.757	8.5	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.342	5.3	102	0.00
85	T	sec-Butylbenzene	50.000	46.468	7.1	99	0.00
86	T	p-Isopropyltoluene	50.000	47.395	5.2	100	0.00
87	T	1,3-Dichlorobenzene	50.000	46.983	6.0	100	0.00
88	T	1,4-Dichlorobenzene	50.000	47.319	5.4	101	0.00
89	T	n-Butylbenzene	50.000	47.178	5.6	98	0.00
90	T	Hexachloroethane	50.000	47.634	4.7	103	0.00
91	T	1,2-Dichlorobenzene	50.000	47.545	4.9	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.017	4.0	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.854	4.3	99	0.00
94	T	Hexachlorobutadiene	50.000	46.301	7.4	99	0.00
95	T	Naphthalene	50.000	48.408	3.2	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	47.314	5.4	100	0.00

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025
Response Via : Initial Calibration

Calibration Files
1 =VX046047.D 5 =VX046046.D 20 =VX046041.D 50 =VX046042.D 100 =VX046043.D 150 =VX046044.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.658	0.639	0.697	0.864	0.859	0.875	0.765	14.62
3)	P	Chloromethane	0.694	0.679	0.727	0.775	0.787	0.791	0.742	6.58
4)	C	Vinyl Chloride	0.673	0.619	0.660	0.710	0.727	0.755	0.691	7.17#
5)	T	Bromomethane		0.305	0.296	0.326	0.340	0.334	0.320	5.84
6)	T	Chloroethane	0.467	0.368	0.354	0.378	0.329	0.317	0.369	14.44
7)	T	Trichlorofluor...	1.064	0.990	1.035	1.068	0.983	0.985	1.021	3.92
8)	T	Diethyl Ether	0.403	0.311	0.340	0.337	0.338	0.355	0.347	8.83
9)	T	1,1,2-Trichlor...	0.633	0.610	0.628	0.641	0.629	0.648	0.632	2.10
10)	T	Methyl Iodide		0.608	0.767	0.806	0.793	0.763	0.747	10.68
11)	T	Tert butyl alc...		0.114	0.122	0.129	0.144	0.146	0.131	10.45
12)	CM	1,1-Dichloroet...	0.594	0.567	0.565	0.601	0.607	0.625	0.593	3.94#
13)	T	Acrolein		0.117	0.158	0.152	0.154	0.163	0.149	12.33
14)	T	Allyl chloride	1.052	1.058	1.127	1.179	1.187	1.196	1.133	5.75
15)	T	Acrylonitrile	0.363	0.345	0.378	0.388	0.381	0.390	0.374	4.52
16)	T	Acetone	0.380	0.408	0.361	0.362	0.361	0.370	0.374	4.90
17)	T	Carbon Disulfide	1.423	1.141	1.295	1.455	1.522	1.597	1.406	11.68
18)	T	Methyl Acetate	1.006	0.816	0.814	0.848	0.845	0.875	0.867	8.27
19)	T	Methyl tert-bu...	1.949	1.908	2.044	2.160	2.172	2.239	2.079	6.39
20)	T	Methylene Chlo...	0.853	0.689	0.689	0.684	0.691	0.691	0.716	9.39
21)	T	trans-1,2-Dich...	0.604	0.557	0.573	0.610	0.612	0.622	0.596	4.27
22)	T	Diisopropyl ether	2.095	1.924	2.219	2.278	2.295	2.321	2.189	6.97
23)	T	Vinyl Acetate	1.660	1.698	1.928	2.048	2.082	2.134	1.925	10.52
24)	P	1,1-Dichloroet...	1.116	1.154	1.233	1.263	1.263	1.286	1.219	5.60
25)	T	2-Butanone	0.495	0.539	0.540	0.555	0.558	0.569	0.543	4.77
26)	T	2,2-Dichloropr...	0.965	0.850	0.910	0.957	1.003	1.039	0.954	7.03
27)	T	cis-1,2-Dichlo...	0.719	0.642	0.716	0.737	0.738	0.755	0.718	5.55
28)	T	Bromochloromet...	0.576	0.553	0.628	0.578	0.595	0.590	0.587	4.28
29)	T	Tetrahydrofuran	0.318	0.318	0.340	0.350	0.351	0.362	0.340	5.36
30)	C	Chloroform	1.265	1.199	1.287	1.296	1.277	1.300	1.271	2.95#
31)	T	Cyclohexane		1.059	1.090	1.128	1.128	1.150	1.111	3.26
32)	T	1,1,1-Trichlor...	1.015	1.013	1.106	1.131	1.155	1.188	1.101	6.60
33)	S	1,2-Dichloroet...		0.935	0.953	0.910	0.930	0.932	0.932	1.65
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.354	0.359	0.355	0.364	0.368	0.360	1.70
36)	T	1,1-Dichloropr...	0.493	0.462	0.463	0.495	0.483	0.505	0.484	3.68
37)	T	Ethyl Acetate	0.586	0.582	0.569	0.611	0.609	0.631	0.598	3.83
38)	T	Carbon Tetrach...	0.541	0.505	0.528	0.558	0.552	0.577	0.544	4.61
39)	T	Methylcyclohexane	0.627	0.587	0.596	0.641	0.627	0.658	0.623	4.34
40)	TM	Benzene	1.348	1.337	1.426	1.474	1.441	1.477	1.417	4.30
41)	T	Methacrylonitrile	0.233	0.288	0.318	0.346	0.343	0.348	0.313	14.50
42)	TM	1,2-Dichloroet...	0.579	0.594	0.632	0.627	0.611	0.625	0.612	3.45
43)	T	Isopropyl Acetate	0.764	0.826	0.905	0.963	0.982	1.030	0.912	11.05
44)	TM	Trichloroethene	0.324	0.315	0.344	0.355	0.345	0.362	0.341	5.28
45)	C	1,2-Dichloropr...	0.317	0.324	0.356	0.371	0.368	0.378	0.352	7.37#
46)	T	Dibromomethane	0.263	0.262	0.285	0.287	0.280	0.289	0.278	4.35
47)	T	Bromodichlorom...	0.485	0.498	0.557	0.577	0.573	0.594	0.547	8.22
48)	T	Methyl methacr...	0.370	0.426	0.465	0.502	0.500	0.531	0.466	12.75
49)	T	1,4-Dioxane	0.007	0.009	0.009	0.009	0.009	0.010	0.009	8.45
50)	S	Toluene-d8		1.221	1.246	1.223	1.266	1.275	1.246	1.95
51)	T	4-Methyl-2-Pen...	0.561	0.555	0.620	0.634	0.630	0.631	0.605	6.04
52)	CM	Toluene	0.803	0.838	0.884	0.898	0.885	0.904	0.869	4.54#
53)	T	t-1,3-Dichloro...	0.371	0.406	0.468	0.528	0.555	0.591	0.487	17.86
54)	T	cis-1,3-Dichlo...	0.423	0.469	0.531	0.578	0.602	0.623	0.538	14.61
55)	T	1,1,2-Trichlor...	0.308	0.337	0.349	0.354	0.351	0.356	0.343	5.30
56)	T	Ethyl methacry...	0.377	0.508	0.540	0.595	0.617	0.639	0.546	17.58

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M

57)	T	1,3-Dichloropr...	0.610	0.601	0.618	0.623	0.613	0.627	0.615	1.53
58)	T	2-Chloroethyl ...	0.230	0.247	0.270	0.307	0.303	0.313	0.278	12.41
59)	T	2-Hexanone	0.385	0.414	0.466	0.473	0.477	0.473	0.448	8.69
60)	T	Dibromochlorom...	0.306	0.326	0.378	0.400	0.415	0.431	0.376	13.28
61)	T	1,2-Dibromoethane	0.322	0.333	0.359	0.373	0.368	0.381	0.356	6.54
62)	S	4-Bromofluorob...		0.464	0.455	0.470	0.500	0.500	0.478	4.41
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.347	0.323	0.390	0.375	0.345	0.344	0.354	6.84
65)	PM	Chlorobenzene	1.131	1.046	1.093	1.098	1.085	1.114	1.094	2.65
66)	T	1,1,1,2-Tetrac...	0.369	0.341	0.365	0.390	0.382	0.395	0.374	5.22
67)	C	Ethyl Benzene	1.803	1.816	1.919	2.022	1.979	2.036	1.929	5.24#
68)	T	m/p-Xylenes	0.648	0.678	0.706	0.740	0.721	0.740	0.706	5.21
69)	T	o-Xylene	0.642	0.639	0.688	0.727	0.706	0.726	0.688	5.75
70)	T	Styrene	0.951	1.012	1.135	1.219	1.214	1.230	1.127	10.56
71)	P	Bromoform	0.234	0.236	0.270	0.304	0.312	0.327	0.281	14.17
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.789	3.562	3.843	4.130	3.876	4.156	3.893	5.72
74)	T	N-amyl acetate	1.715	1.652	1.846	2.067	2.068	2.192	1.924	11.32
75)	P	1,1,2,2-Tetrac...	1.552	1.350	1.315	1.338	1.284	1.345	1.364	6.97
76)	T	1,2,3-Trichlor...	1.405	1.167	1.151	1.187	1.131	1.181	1.204	8.36
77)	T	Bromobenzene	0.926	0.862	0.896	0.928	0.883	0.928	0.904	3.08
78)	T	n-propylbenzene	4.272	4.186	4.394	4.854	4.583	4.868	4.526	6.45
79)	T	2-Chlorotoluene	3.184	2.748	2.832	2.994	2.805	2.953	2.919	5.45
80)	T	1,3,5-Trimethy...	3.036	3.053	3.275	3.487	3.255	3.405	3.252	5.60
81)	T	trans-1,4-Dich...		0.269	0.335	0.385	0.410	0.449	0.370	18.91
82)	T	4-Chlorotoluene	3.226	2.939	3.196	3.430	3.255	3.379	3.238	5.32
83)	T	tert-Butylbenzene	3.341	3.098	3.115	3.435	3.255	3.411	3.276	4.44
84)	T	1,2,4-Trimethy...	3.150	3.034	3.274	3.522	3.335	3.444	3.293	5.52
85)	T	sec-Butylbenzene	3.708	3.767	3.937	4.282	4.095	4.343	4.022	6.55
86)	T	p-Isopropyltol...	3.025	3.084	3.206	3.555	3.450	3.599	3.320	7.44
87)	T	1,3-Dichlorobe...	1.619	1.558	1.633	1.701	1.656	1.729	1.649	3.71
88)	T	1,4-Dichlorobe...	1.817	1.606	1.629	1.693	1.639	1.722	1.684	4.64
89)	T	n-Butylbenzene	2.443	2.650	2.748	3.147	3.139	3.346	2.912	12.00
90)	T	Hexachloroethane	0.511	0.523	0.551	0.622	0.622	0.680	0.585	11.44
91)	T	1,2-Dichlorobe...	1.710	1.577	1.613	1.696	1.634	1.702	1.655	3.34
92)	T	1,2-Dibromo-3-...	0.259	0.248	0.299	0.322	0.329	0.356	0.302	13.89
93)	T	1,2,4-Trichlor...	0.862	0.842	0.861	0.981	1.035	1.123	0.951	12.03
94)	T	Hexachlorobuta...	0.393	0.414	0.394	0.427	0.418	0.445	0.415	4.79
95)	T	Naphthalene	3.499	2.929	3.204	3.613	3.690	3.984	3.487	10.69
96)	T	1,2,3-Trichlor...	0.941	0.846	0.921	1.019	1.051	1.107	0.981	9.74

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	83671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	31909	12.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	25.640%#		
35) Dibromofluoromethane	5.385	113	21112	12.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	25.600%#		
50) Toluene-d8	8.646	98	73333	13.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	26.400%#		
62) 4-Bromofluorobenzene	11.079	95	26760	13.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	26.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23341	12.638	ug/l	96
3) Chloromethane	1.306	50	24316	13.371	ug/l	98
4) Vinyl Chloride	1.373	62	22096	13.868	ug/l	94
5) Bromomethane	1.593	94	9920	12.279	ug/l	93
6) Chloroethane	1.666	64	11832	14.414	ug/l	95
7) Trichlorofluoromethane	1.873	101	34636	14.271	ug/l	100
8) Diethyl Ether	2.129	74	11392	14.278	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.324	101	21027	14.499	ug/l	98
10) Methyl Iodide	2.446	142	25661	15.070	ug/l	99
11) Tert butyl alcohol	2.971	59	20370	68.662	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18899	13.385	ug/l	98
13) Acrolein	2.233	56	26427	76.689	ug/l	95
14) Allyl chloride	2.660	41	37708	14.133	ug/l	99
15) Acrylonitrile	3.062	53	63290	71.312	ug/l	98
16) Acetone	2.379	43	60363	70.884	ug/l	99
17) Carbon Disulfide	2.501	76	43348	13.251	ug/l	100
18) Methyl Acetate	2.702	43	27234	13.397	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68402	13.890	ug/l	100
20) Methylene Chloride	2.782	84	23050	13.362	ug/l	96
21) trans-1,2-Dichloroethene	3.086	96	19161	13.294	ug/l	96
22) Diisopropyl ether	3.763	45	74257	14.896	ug/l	95
23) Vinyl Acetate	3.720	43	322598	73.230	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41257	14.082	ug/l	98
25) 2-Butanone	4.556	43	90331	73.489	ug/l	98
26) 2,2-Dichloropropane	4.470	77	30472	13.729	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23970	13.791	ug/l	98
28) Bromochloromethane	4.897	49	21028	13.497	ug/l	99
29) Tetrahydrofuran	5.007	42	56819	71.175	ug/l	100
30) Chloroform	5.086	83	43065	14.144	ug/l	95
31) Cyclohexane	5.458	56	36470	14.769	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37003	14.092	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27242	14.231	ug/l	98
37) Ethyl Acetate	4.720	43	33458	13.931	ug/l	98
38) Carbon Tetrachloride	5.671	117	31091	14.137	ug/l	98
39) Methylcyclohexane	7.372	83	35077	14.623	ug/l	99
40) Benzene	6.031	78	83898	14.140	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	18732	14.038	ug/l		95
42) 1,2-Dichloroethane	6.080	62	37203	15.165	ug/l		100
43) Isopropyl Acetate	6.342	43	53275	14.512	ug/l		99
44) Trichloroethene	7.116	130	20239	14.429	ug/l		99
45) 1,2-Dichloropropane	7.427	63	20940	14.204	ug/l		98
46) Dibromomethane	7.580	93	16781	14.439	ug/l		99
47) Bromodichloromethane	7.817	83	32762	14.545	ug/l		94
48) Methyl methacrylate	7.689	41	27374	14.521	ug/l		100
49) 1,4-Dioxane	7.659	88	10585	282.442	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	182455	75.775	ug/l		98
52) Toluene	8.713	92	52030	14.788	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27549	14.566	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	31226	14.154	ug/l		98
55) 1,1,2-Trichloroethane	9.152	97	20536	14.442	ug/l		96
56) Ethyl methacrylate	9.116	69	31787	14.425	ug/l		98
57) 1,3-Dichloropropane	9.305	76	36341	14.417	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	79531	80.312	ug/l		100
59) 2-Hexanone	9.427	43	137054	74.997	ug/l		99
60) Dibromochloromethane	9.518	129	22267	14.387	ug/l		99
61) 1,2-Dibromoethane	9.610	107	21113	14.458	ug/l		96
64) Tetrachloroethene	9.268	164	19924	15.263	ug/l		97
65) Chlorobenzene	10.079	112	55863	14.202	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	18671	14.231	ug/l		98
67) Ethyl Benzene	10.189	91	98113	14.631	ug/l		100
68) m/p-Xylenes	10.299	106	72202	29.806	ug/l		99
69) o-Xylene	10.640	106	35178	14.408	ug/l		96
70) Styrene	10.652	104	58034	14.853	ug/l		98
71) Bromoform	10.799	173	13825	14.030	ug/l	#	100
73) Isopropylbenzene	10.957	105	93013	14.096	ug/l		99
74) N-amyl acetate	10.841	43	44684	13.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	31830	13.560	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	27845m	11.039	ug/l		
77) Bromobenzene	11.195	156	21695	14.212	ug/l		96
78) n-propylbenzene	11.298	91	106337	14.376	ug/l		99
79) 2-Chlorotoluene	11.359	91	68534	13.748	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	79261	14.468	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8104	13.371	ug/l		91
82) 4-Chlorotoluene	11.451	91	77338	14.116	ug/l		100
83) tert-Butylbenzene	11.713	119	75382	14.011	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	79232	14.480	ug/l		99
85) sec-Butylbenzene	11.890	105	95271	14.263	ug/l		100
86) p-Isopropyltoluene	12.006	119	77599	14.387	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	39520	13.898	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	39419	14.146	ug/l		99
89) n-Butylbenzene	12.329	91	66506	14.184	ug/l		99
90) Hexachloroethane	12.536	117	13332	13.287	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	39031	14.092	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7232	13.535	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	20846	13.745	ug/l		99
94) Hexachlorobutadiene	13.725	225	9524	13.426	ug/l		97
95) Naphthalene	13.774	128	77542	14.040	ug/l		99
96) 1,2,3-Trichlorobenzene	13.956	180	22301	14.023	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 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

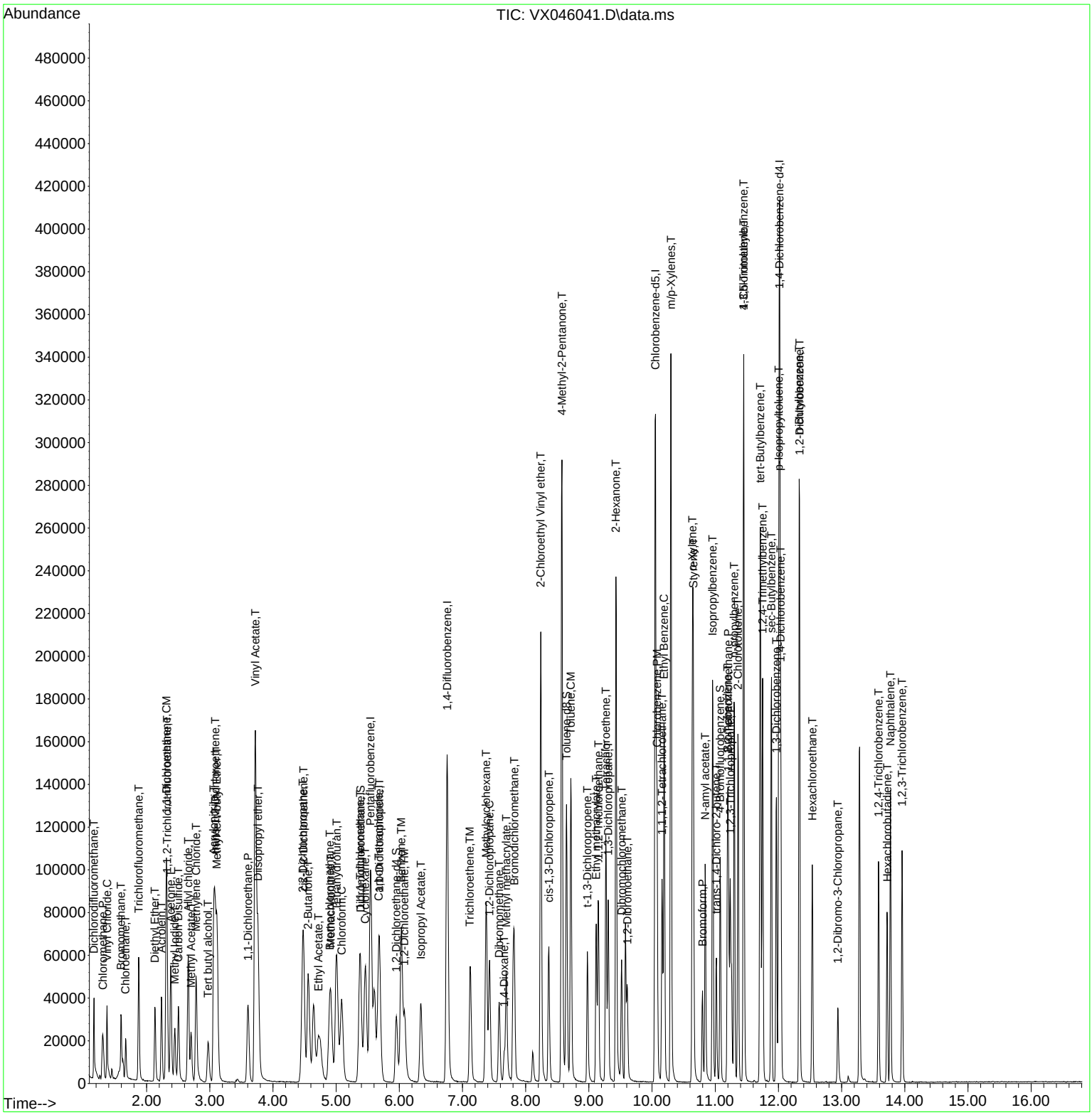
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88371	30.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	61.200%#		
35) Dibromofluoromethane	5.379	113	59550	31.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.260%#		
50) Toluene-d8	8.647	98	205479	32.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	64.780%#		
62) 4-Bromofluorobenzene	11.079	95	79012	34.229	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	68.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	83826	39.120	ug/l	100
3) Chloromethane	1.307	50	75238	35.658	ug/l	100
4) Vinyl Chloride	1.374	62	68901	37.273	ug/l	100
5) Bromomethane	1.593	94	31648	33.765	ug/l	100
6) Chloroethane	1.666	64	36722	38.558	ug/l	100
7) Trichlorofluoromethane	1.874	101	103693	36.824	ug/l	100
8) Diethyl Ether	2.136	74	32724	35.350	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	62251	36.997	ug/l	100
10) Methyl Iodide	2.447	142	78277	39.622	ug/l	100
11) Tert butyl alcohol	2.977	59	62557	181.745	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58334	35.610	ug/l	100
13) Acrolein	2.233	56	73927	184.907	ug/l	100
14) Allyl chloride	2.654	41	114445	36.971	ug/l	100
15) Acrylonitrile	3.062	53	188304	182.874	ug/l	100
16) Acetone	2.386	43	175777	177.910	ug/l	100
17) Carbon Disulfide	2.502	76	141281	37.223	ug/l	100
18) Methyl Acetate	2.703	43	82347	34.915	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	209665	36.695	ug/l	100
20) Methylene Chloride	2.782	84	66412	33.182	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59234	35.421	ug/l	100
22) Diisopropyl ether	3.757	45	221172	38.241	ug/l	100
23) Vinyl Acetate	3.721	43	994236	194.528	ug/l	100
24) 1,1-Dichloroethane	3.605	63	122601	36.067	ug/l	100
25) 2-Butanone	4.556	43	269224	188.783	ug/l	100
26) 2,2-Dichloropropane	4.465	77	92857	36.059	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71518	35.466	ug/l	100
28) Bromochloromethane	4.898	49	56091	31.031	ug/l	100
29) Tetrahydrofuran	5.001	42	170124	183.679	ug/l	100
30) Chloroform	5.087	83	125850	35.626	ug/l	100
31) Cyclohexane	5.464	56	109459	38.205	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	109781	36.034	ug/l	100
36) 1,1-Dichloropropene	5.684	75	83215	38.073	ug/l	100
37) Ethyl Acetate	4.715	43	102537	37.394	ug/l	100
38) Carbon Tetrachloride	5.672	117	93712	37.320	ug/l	100
39) Methylcyclohexane	7.373	83	107651	39.307	ug/l	100
40) Benzene	6.031	78	247476	36.530	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	58082	38.123	ug/l		100
42) 1,2-Dichloroethane	6.080	62	105332	37.605	ug/l		100
43) Isopropyl Acetate	6.336	43	161787	38.598	ug/l		100
44) Trichloroethene	7.123	130	59623	37.230	ug/l		100
45) 1,2-Dichloropropane	7.428	63	62387	37.064	ug/l		100
46) Dibromomethane	7.574	93	48201	36.326	ug/l		100
47) Bromodichloromethane	7.818	83	96916	37.685	ug/l		100
48) Methyl methacrylate	7.690	41	84277	39.157	ug/l		100
49) 1,4-Dioxane	7.659	88	30529	713.477	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	532388	193.653	ug/l		100
52) Toluene	8.714	92	150757	37.530	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	88655	41.056	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	97031	38.521	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	59499	36.648	ug/l		100
56) Ethyl methacrylate	9.116	69	99947	39.726	ug/l		100
57) 1,3-Dichloropropane	9.305	76	104606	36.347	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	257678	227.902	ug/l		100
59) 2-Hexanone	9.427	43	396784	190.168	ug/l		100
60) Dibromochloromethane	9.519	129	67198	38.027	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62633	37.567	ug/l		100
64) Tetrachloroethene	9.269	164	54853	36.726	ug/l		100
65) Chlorobenzene	10.079	112	160600	35.686	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57066	38.017	ug/l		100
67) Ethyl Benzene	10.189	91	295712	38.543	ug/l		100
68) m/p-Xylenes	10.299	106	216578	78.142	ug/l		100
69) o-Xylene	10.640	106	106335	38.064	ug/l		100
70) Styrene	10.653	104	178313	39.888	ug/l		100
71) Bromoform	10.799	173	44486	39.457	ug/l	#	100
73) Isopropylbenzene	10.957	105	280719	37.865	ug/l		100
74) N-amyl acetate	10.842	43	140509	38.012	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90975	34.495	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	80678m	28.468	ug/l		
77) Bromobenzene	11.195	156	63053	36.763	ug/l		100
78) n-propylbenzene	11.299	91	329981	39.707	ug/l		100
79) 2-Chlorotoluene	11.360	91	203509	36.336	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	237066	38.516	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	26179	38.445	ug/l		100
82) 4-Chlorotoluene	11.451	91	233172	37.880	ug/l		100
83) tert-Butylbenzene	11.713	119	233468	38.622	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	239433	38.946	ug/l		100
85) sec-Butylbenzene	11.890	105	291074	38.786	ug/l		100
86) p-Isopropyltoluene	12.006	119	241658	39.879	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	115651	36.199	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115097	36.763	ug/l		100
89) n-Butylbenzene	12.329	91	213899	40.603	ug/l		100
90) Hexachloroethane	12.536	117	42314	37.534	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115286	37.047	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21909	36.496	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	66655	39.117	ug/l		100
94) Hexachlorobutadiene	13.725	225	29007	36.395	ug/l		100
95) Naphthalene	13.774	128	245568	39.575	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	69262	38.765	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 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

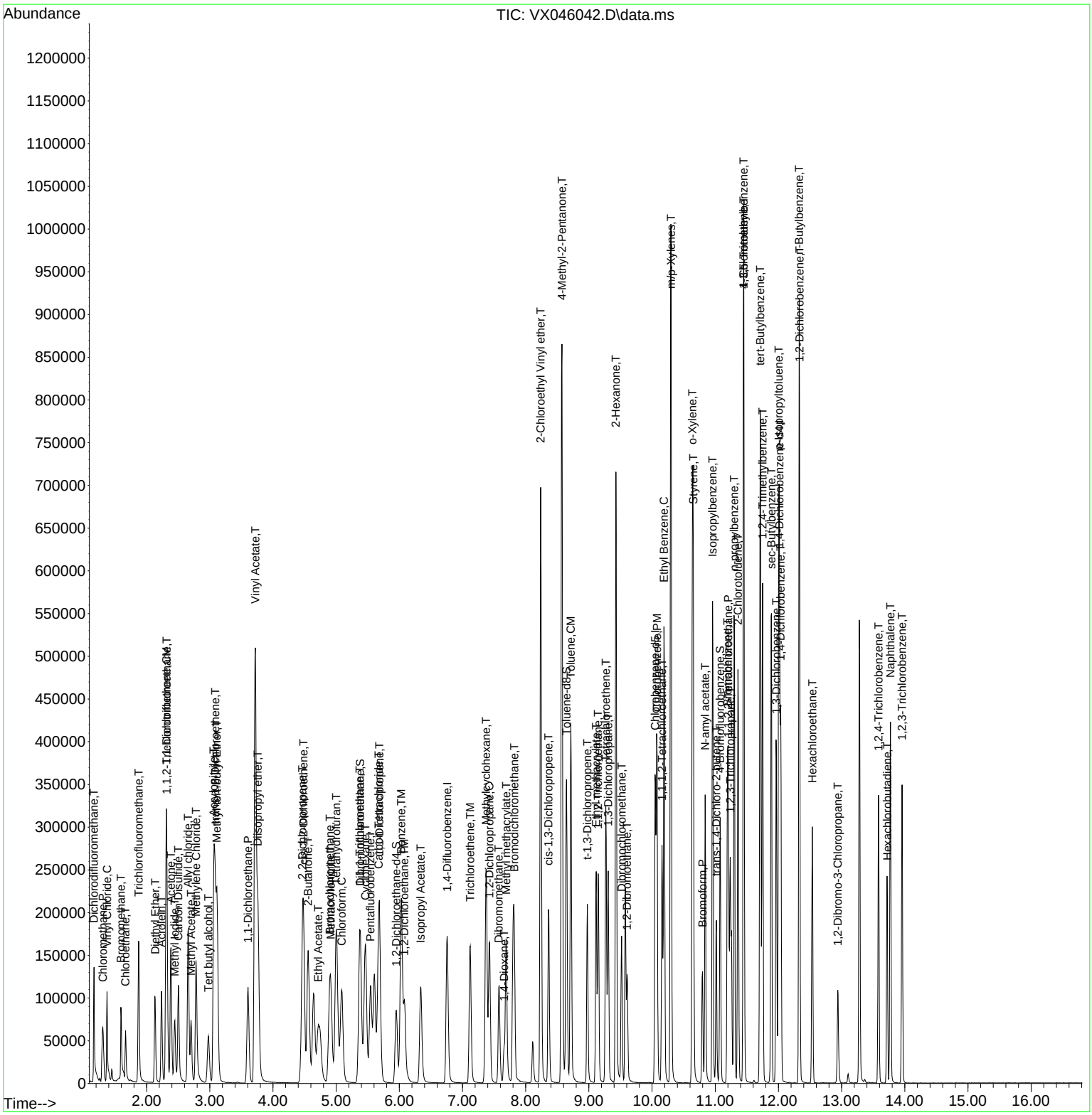
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	87028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161877	62.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.060%#			
35) Dibromofluoromethane	5.379	113	111455	65.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.020%#			
50) Toluene-d8	8.647	98	387230	67.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 134.060%#			
62) 4-Bromofluorobenzene	11.079	95	153085	72.818	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 145.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	149508	77.828	ug/l	99
3) Chloromethane	1.307	50	136937	72.392	ug/l	98
4) Vinyl Chloride	1.374	62	126609	76.398	ug/l	98
5) Bromomethane	1.593	94	59246	70.507	ug/l	99
6) Chloroethane	1.660	64	57332	67.148	ug/l	99
7) Trichlorofluoromethane	1.867	101	171042	67.754	ug/l	99
8) Diethyl Ether	2.136	74	58762	70.807	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	109520	72.604	ug/l	99
10) Methyl Iodide	2.440	142	138045	77.943	ug/l	100
11) Tert butyl alcohol	2.995	59	125094	405.394	ug/l	100
12) 1,1-Dichloroethene	2.306	96	105566	71.884	ug/l	96
13) Acrolein	2.239	56	134456	375.132	ug/l	99
14) Allyl chloride	2.660	41	206519	74.419	ug/l	98
15) Acrylonitrile	3.068	53	331142	358.723	ug/l	97
16) Acetone	2.386	43	314383	354.936	ug/l	98
17) Carbon Disulfide	2.501	76	264956	77.867	ug/l	100
18) Methyl Acetate	2.703	43	147014	69.531	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	378113	73.818	ug/l	100
20) Methylene Chloride	2.782	84	120270	67.030	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	106606	71.109	ug/l	99
22) Diisopropyl ether	3.763	45	399494	77.048	ug/l	90
23) Vinyl Acetate	3.721	43	1811550	395.363	ug/l	100
24) 1,1-Dichloroethane	3.605	63	219759	72.114	ug/l	99
25) 2-Butanone	4.556	43	485448	379.704	ug/l	100
26) 2,2-Dichloropropane	4.464	77	174579	75.621	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	128454	71.056	ug/l	99
28) Bromochloromethane	4.891	49	103602	63.932	ug/l	100
29) Tetrahydrofuran	5.001	42	305757	368.234	ug/l	99
30) Chloroform	5.086	83	222253	70.180	ug/l	95
31) Cyclohexane	5.458	56	196302	76.428	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	201112	73.635	ug/l	98
36) 1,1-Dichloropropene	5.690	75	147873	74.285	ug/l	99
37) Ethyl Acetate	4.714	43	186215	74.565	ug/l	99
38) Carbon Tetrachloride	5.672	117	168946	73.875	ug/l	99
39) Methylcyclohexane	7.372	83	191941	76.952	ug/l	96
40) Benzene	6.031	78	440885	71.457	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	104863	75.574	ug/l		98
42) 1,2-Dichloroethane	6.080	62	187036	73.318	ug/l		99
43) Isopropyl Acetate	6.342	43	300491	78.714	ug/l		100
44) Trichloroethene	7.123	130	105628	72.420	ug/l		98
45) 1,2-Dichloropropane	7.427	63	112554	73.420	ug/l		100
46) Dibromomethane	7.574	93	85728	70.938	ug/l		100
47) Bromodichloromethane	7.818	83	175301	74.845	ug/l		99
48) Methyl methacrylate	7.689	41	153093	78.101	ug/l		99
49) 1,4-Dioxane	7.659	88	57313	1470.687	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	963319	384.740	ug/l		100
52) Toluene	8.714	92	270763	74.010	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	169863	86.372	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	184134	80.264	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	107264	72.543	ug/l		99
56) Ethyl methacrylate	9.116	69	188717	82.359	ug/l		99
57) 1,3-Dichloropropane	9.305	76	187649	71.590	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	463169	449.791	ug/l		100
59) 2-Hexanone	9.433	43	729602	383.945	ug/l		100
60) Dibromochloromethane	9.518	129	127012	78.918	ug/l		98
61) 1,2-Dibromoethane	9.610	107	112669	74.200	ug/l		98
64) Tetrachloroethene	9.268	164	93195	67.493	ug/l		96
65) Chlorobenzene	10.079	112	293284	70.490	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	103177	74.349	ug/l		99
67) Ethyl Benzene	10.189	91	535122	75.444	ug/l		99
68) m/p-Xylenes	10.299	106	389935	152.181	ug/l		99
69) o-Xylene	10.640	106	190833	73.890	ug/l		97
70) Styrene	10.652	104	328195	79.411	ug/l		100
71) Bromoform	10.799	173	84353	80.927	ug/l	#	98
73) Isopropylbenzene	10.957	105	514528	71.083	ug/l		100
74) N-amyl acetate	10.841	43	274553	76.073	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	170481	66.207	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	150182m	54.277	ug/l		
77) Bromobenzene	11.195	156	117151	69.959	ug/l		99
78) n-propylbenzene	11.305	91	608332	74.974	ug/l		100
79) 2-Chlorotoluene	11.360	91	372392	68.100	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	432096	71.903	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	54398	81.820	ug/l		93
82) 4-Chlorotoluene	11.451	91	432053	71.890	ug/l		100
83) tert-Butylbenzene	11.713	119	432011	73.197	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	442728	73.758	ug/l		100
85) sec-Butylbenzene	11.890	105	543597	74.188	ug/l		100
86) p-Isopropyltoluene	12.006	119	457898	77.393	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	219753	70.449	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	217613	71.190	ug/l		99
89) n-Butylbenzene	12.329	91	416602	80.996	ug/l		100
90) Hexachloroethane	12.536	117	82528	74.978	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	216834	71.367	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43673	74.512	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	137430	82.605	ug/l		98
94) Hexachlorobutadiene	13.725	225	55494	71.314	ug/l		98
95) Naphthalene	13.774	128	489778	80.842	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	139525	79.981	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 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

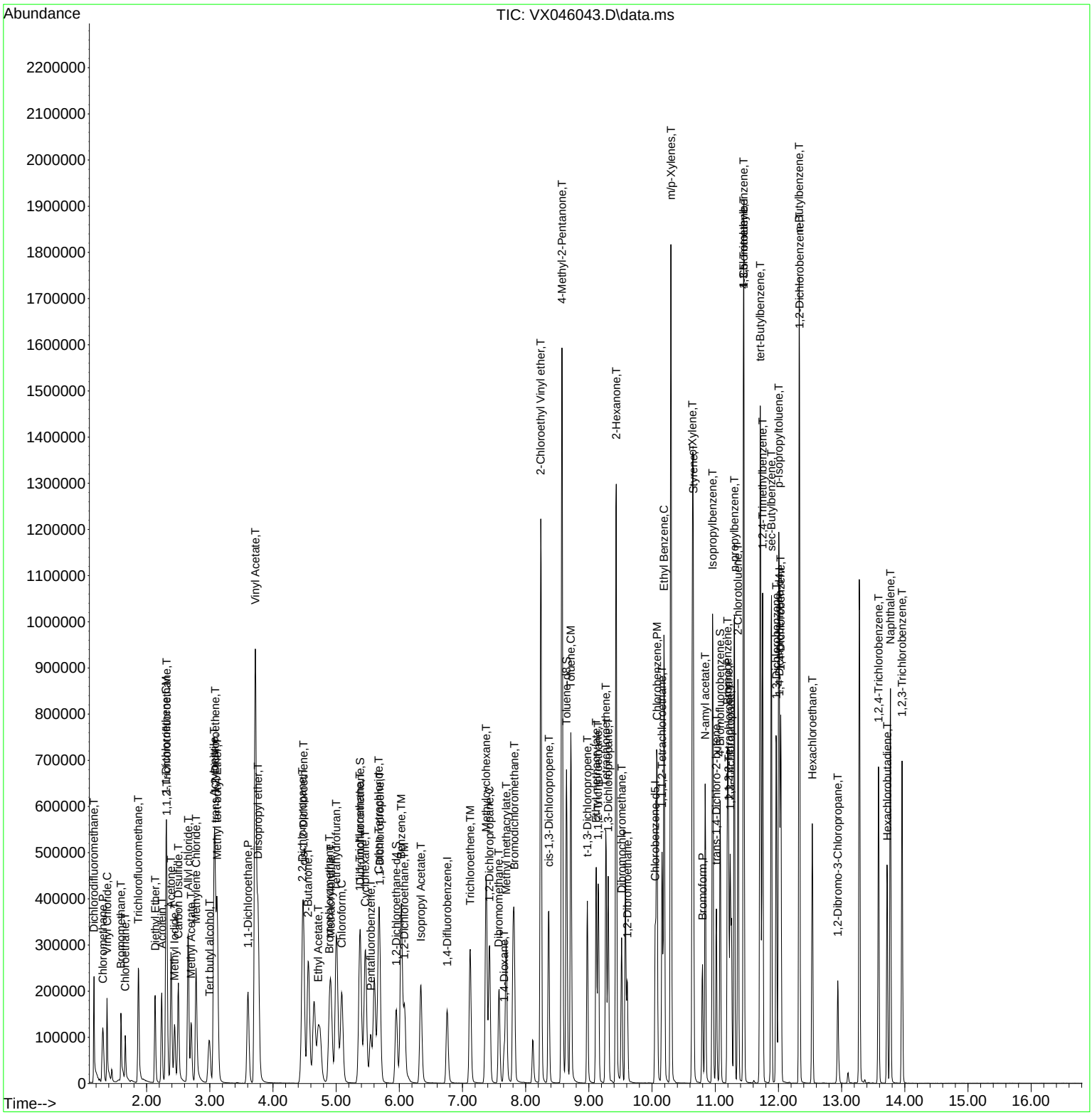
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	82963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60345	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231952	93.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 187.960%#			
35) Dibromofluoromethane	5.385	113	160168	98.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.120%#			
50) Toluene-d8	8.647	98	554390	101.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 202.500%#			
62) 4-Bromofluorobenzene	11.079	95	217536	109.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 218.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	217793	118.929	ug/l	98
3) Chloromethane	1.307	50	196843	109.161	ug/l	99
4) Vinyl Chloride	1.374	62	187924	118.953	ug/l	100
5) Bromomethane	1.593	94	83008	103.625	ug/l	95
6) Chloroethane	1.660	64	78806	96.822	ug/l	98
7) Trichlorofluoromethane	1.868	101	245108	101.851	ug/l	97
8) Diethyl Ether	2.136	74	88441	111.791	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	161404	112.243	ug/l	99
10) Methyl Iodide	2.441	142	189843	112.441	ug/l	100
11) Tert butyl alcohol	3.002	59	181238	616.119	ug/l	100
12) 1,1-Dichloroethene	2.307	96	155451	111.039	ug/l	99
13) Acrolein	2.239	56	203257	594.872	ug/l	98
14) Allyl chloride	2.654	41	297776	112.561	ug/l	98
15) Acrylonitrile	3.069	53	484854	550.973	ug/l	98
16) Acetone	2.392	43	460820	545.754	ug/l	98
17) Carbon Disulfide	2.502	76	397353	122.499	ug/l	100
18) Methyl Acetate	2.709	43	217885	108.099	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	557210	114.112	ug/l	100
20) Methylene Chloride	2.782	84	172035	100.579	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	154694	108.241	ug/l	96
22) Diisopropyl ether	3.764	45	577610	116.858	ug/l	90
23) Vinyl Acetate	3.721	43	2655751	608.005	ug/l	100
24) 1,1-Dichloroethane	3.605	63	320083	110.182	ug/l	99
25) 2-Butanone	4.562	43	708463	581.292	ug/l	98
26) 2,2-Dichloropropane	4.471	77	258698	117.548	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	187835	108.994	ug/l	99
28) Bromochloromethane	4.898	49	146923	95.108	ug/l	100
29) Tetrahydrofuran	5.007	42	450456	569.081	ug/l	99
30) Chloroform	5.087	83	323659	107.208	ug/l	95
31) Cyclohexane	5.458	56	286312	116.934	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	295702	113.572	ug/l	98
36) 1,1-Dichloropropene	5.684	75	219731	116.462	ug/l	99
37) Ethyl Acetate	4.715	43	274312	115.889	ug/l	99
38) Carbon Tetrachloride	5.666	117	250916	115.760	ug/l	99
39) Methylcyclohexane	7.373	83	286311	121.107	ug/l	97
40) Benzene	6.031	78	642178	109.813	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	151424	115.139	ug/l		98
42) 1,2-Dichloroethane	6.080	62	271992	112.492	ug/l		99
43) Isopropyl Acetate	6.342	43	447871	123.780	ug/l		100
44) Trichloroethene	7.117	130	157641	114.032	ug/l		96
45) 1,2-Dichloropropane	7.428	63	164505	113.217	ug/l		99
46) Dibromomethane	7.574	93	125846	109.869	ug/l		100
47) Bromodichloromethane	7.818	83	258326	116.365	ug/l		98
48) Methyl methacrylate	7.690	41	231040	124.356	ug/l		99
49) 1,4-Dioxane	7.665	88	82800	2241.695	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1371275	577.831	ug/l		100
52) Toluene	8.714	92	393323	113.430	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	257233	138.001	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	271054	124.658	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	154932	110.551	ug/l		97
56) Ethyl methacrylate	9.116	69	277921	127.968	ug/l		99
57) 1,3-Dichloropropane	9.305	76	272814	109.813	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	680608	697.344	ug/l		100
59) 2-Hexanone	9.433	43	1028597	571.094	ug/l		99
60) Dibromochloromethane	9.519	129	187497	122.915	ug/l		98
61) 1,2-Dibromoethane	9.604	107	165634	115.087	ug/l		97
64) Tetrachloroethene	9.269	164	132488	100.918	ug/l		96
65) Chlorobenzene	10.080	112	429656	108.615	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	152173	115.333	ug/l		99
67) Ethyl Benzene	10.189	91	785121	116.421	ug/l		99
68) m/p-Xylenes	10.299	106	570913	234.349	ug/l		100
69) o-Xylene	10.640	106	279906	113.990	ug/l		99
70) Styrene	10.653	104	474254	120.694	ug/l		99
71) Bromoform	10.799	173	125986	127.128	ug/l	#	99
73) Isopropylbenzene	10.957	105	752337	114.312	ug/l		99
74) N-amyl acetate	10.842	43	396877	120.944	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	243532	104.018	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	213744m	84.960	ug/l		
77) Bromobenzene	11.195	156	167934	110.297	ug/l		99
78) n-propylbenzene	11.305	91	881218	119.448	ug/l		100
79) 2-Chlorotoluene	11.360	91	534560	107.514	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	616477	112.825	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	81372	134.609	ug/l		93
82) 4-Chlorotoluene	11.451	91	611736	111.948	ug/l		100
83) tert-Butylbenzene	11.713	119	617473	115.065	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	623456	114.236	ug/l		99
85) sec-Butylbenzene	11.890	105	786293	118.023	ug/l		99
86) p-Isopropyltoluene	12.006	119	651531	121.113	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	313100	110.394	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	311752	112.167	ug/l		100
89) n-Butylbenzene	12.329	91	605783	129.533	ug/l		100
90) Hexachloroethane	12.536	117	123188	123.091	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	308039	111.506	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64438	120.915	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	203255	134.366	ug/l		98
94) Hexachlorobutadiene	13.719	225	80558	113.857	ug/l		99
95) Naphthalene	13.774	128	721236	130.929	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	200379	126.331	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 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

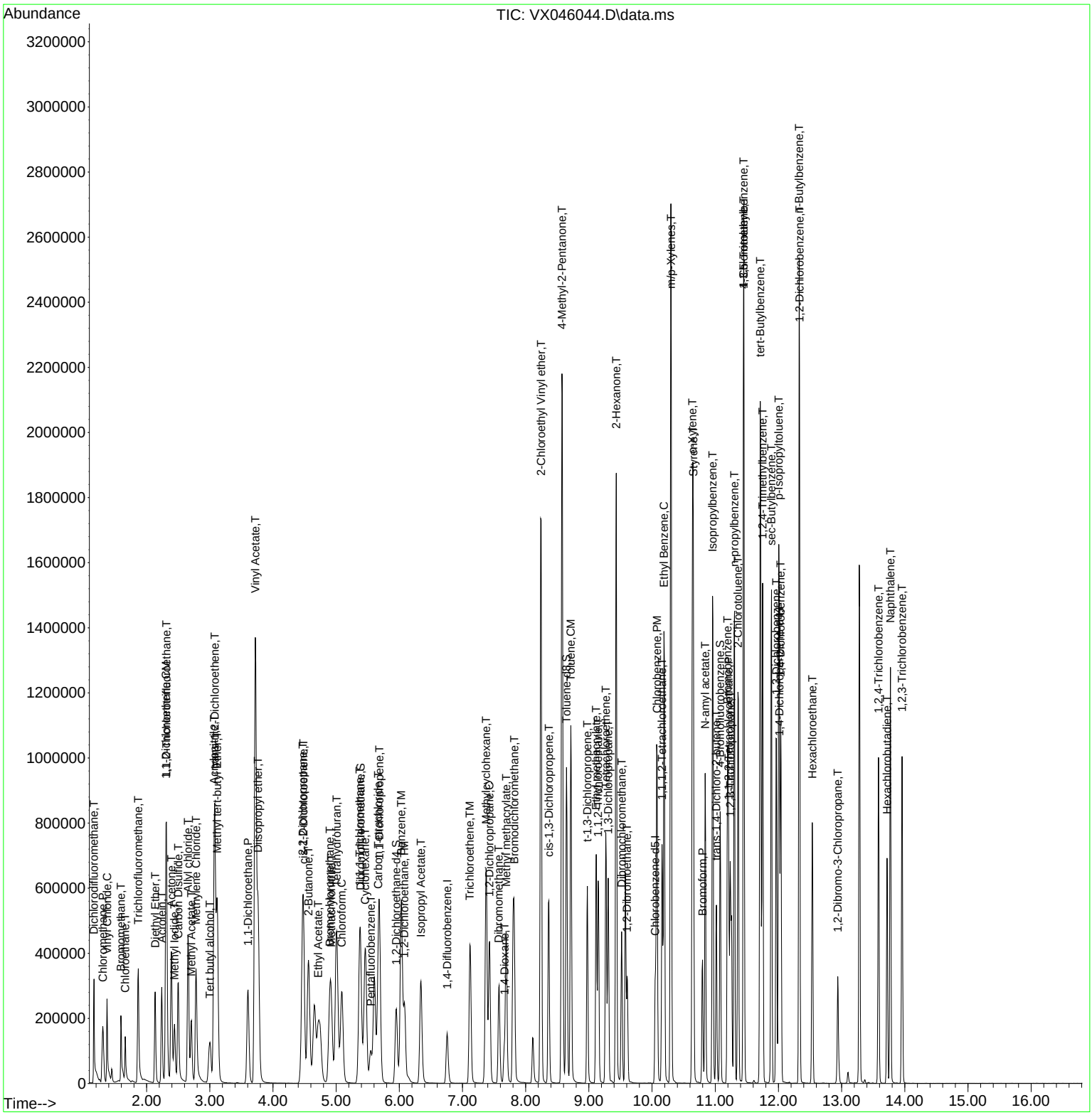
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	96964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	168484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	9067	3.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	6.280%#		
35) Dibromofluoromethane	5.373	113	5969	3.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	6.320%#		
50) Toluene-d8	8.647	98	20566	3.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	6.460%#		
62) 4-Bromofluorobenzene	11.079	95	7822	3.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	6.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6195	2.894	ug/l	95
3) Chloromethane	1.307	50	6587	3.125	ug/l	99
4) Vinyl Chloride	1.374	62	5999	3.249	ug/l	96
5) Bromomethane	1.593	94	2962	3.164	ug/l	88
6) Chloroethane	1.666	64	3567	3.750	ug/l	94
7) Trichlorofluoromethane	1.874	101	9599	3.413	ug/l	88
8) Diethyl Ether	2.130	74	3020	3.266	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	5911	3.517	ug/l	99
10) Methyl Iodide	2.441	142	5900	2.990	ug/l	99
11) Tert butyl alcohol	2.965	59	5539	16.111	ug/l	98
12) 1,1-Dichloroethene	2.306	96	5496	3.359	ug/l	97
13) Acrolein	2.233	56	5673	14.206	ug/l	95
14) Allyl chloride	2.654	41	10262	3.319	ug/l	98
15) Acrylonitrile	3.062	53	16746	16.282	ug/l	97
16) Acetone	2.380	43	19773	20.036	ug/l	98
17) Carbon Disulfide	2.501	76	11068	2.919	ug/l	96
18) Methyl Acetate	2.703	43	7909	3.357	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	18497	3.241	ug/l	97
20) Methylene Chloride	2.782	84	6680	3.341	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	5402	3.234	ug/l	100
22) Diisopropyl ether	3.751	45	18657	3.230	ug/l #	65
23) Vinyl Acetate	3.715	43	82328	16.127	ug/l	99
24) 1,1-Dichloroethane	3.605	63	11193	3.297	ug/l	99
25) 2-Butanone	4.562	43	26125	18.340	ug/l	98
26) 2,2-Dichloropropane	4.465	77	8245	3.205	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	6222	3.089	ug/l	95
28) Bromochloromethane	4.891	49	5360	2.969	ug/l #	100
29) Tetrahydrofuran	5.001	42	15431	16.680	ug/l	98
30) Chloroform	5.080	83	11624	3.294	ug/l	89
31) Cyclohexane	5.458	56	10269	3.588	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	9827	3.229	ug/l	97
36) 1,1-Dichloropropene	5.678	75	7787	3.551	ug/l	98
37) Ethyl Acetate	4.721	43	9806m	3.565	ug/l	
38) Carbon Tetrachloride	5.659	117	8505	3.376	ug/l	97
39) Methylcyclohexane	7.373	83	9882	3.597	ug/l	93
40) Benzene	6.031	78	22528	3.315	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	4851	3.174	ug/l	#	65
42) 1,2-Dichloroethane	6.080	62	10011	3.563	ug/l		100
43) Isopropyl Acetate	6.348	43	13914	3.309	ug/l		96
44) Trichloroethene	7.123	130	5313	3.307	ug/l		94
45) 1,2-Dichloropropane	7.427	63	5451	3.228	ug/l	#	89
46) Dibromomethane	7.580	93	4417	3.318	ug/l		98
47) Bromodichloromethane	7.818	83	8394	3.254	ug/l		98
48) Methyl methacrylate	7.696	41	7171	3.321	ug/l		97
49) 1,4-Dioxane	7.659	88	2907	67.721	ug/l		96
51) 4-Methyl-2-Pentanone	8.567	43	46794	16.967	ug/l		98
52) Toluene	8.714	92	14126	3.505	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	6834	3.155	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	7908	3.129	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	5685	3.490	ug/l		98
56) Ethyl methacrylate	9.116	69	8555	3.390	ug/l		98
57) 1,3-Dichloropropane	9.305	76	10127	3.508	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.238	63	20809	18.346	ug/l		99
59) 2-Hexanone	9.427	43	34853	16.651	ug/l		97
60) Dibromochloromethane	9.518	129	5500	3.102	ug/l		98
61) 1,2-Dibromoethane	9.604	107	5614	3.356	ug/l		99
64) Tetrachloroethene	9.269	164	4752	3.162	ug/l		96
65) Chlorobenzene	10.079	112	15391	3.399	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	5024	3.326	ug/l		99
67) Ethyl Benzene	10.195	91	26732	3.463	ug/l		99
68) m/p-Xylenes	10.299	106	19957	7.156	ug/l		98
69) o-Xylene	10.640	106	9398	3.343	ug/l		95
70) Styrene	10.652	104	14900	3.312	ug/l		99
71) Bromoform	10.799	173	3470	3.059	ug/l	#	99
73) Isopropylbenzene	10.957	105	24201	3.266	ug/l		98
74) N-amyl acetate	10.841	43	11224	3.038	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.207	83	9170	3.479	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	7928m	2.799	ug/l		
77) Bromobenzene	11.195	156	5857	3.417	ug/l		96
78) n-propylbenzene	11.299	91	28436	3.424	ug/l		100
79) 2-Chlorotoluene	11.360	91	18672	3.336	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	20742	3.372	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	1828	2.686	ug/l		99
82) 4-Chlorotoluene	11.451	91	19966	3.245	ug/l		98
83) tert-Butylbenzene	11.713	119	21049	3.484	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	20613	3.355	ug/l		97
85) sec-Butylbenzene	11.890	105	25590	3.412	ug/l		99
86) p-Isopropyltoluene	12.006	119	20955	3.460	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	10585	3.315	ug/l		97
88) 1,4-Dichlorobenzene	12.036	146	10908	3.486	ug/l		90
89) n-Butylbenzene	12.329	91	18004	3.419	ug/l		94
90) Hexachloroethane	12.536	117	3553	3.153	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	10712	3.444	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1687	2.812	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	5720	3.359	ug/l		96
94) Hexachlorobutadiene	13.719	225	2816	3.535	ug/l		96
95) Naphthalene	13.774	128	19902	3.209	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	5745	3.217	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

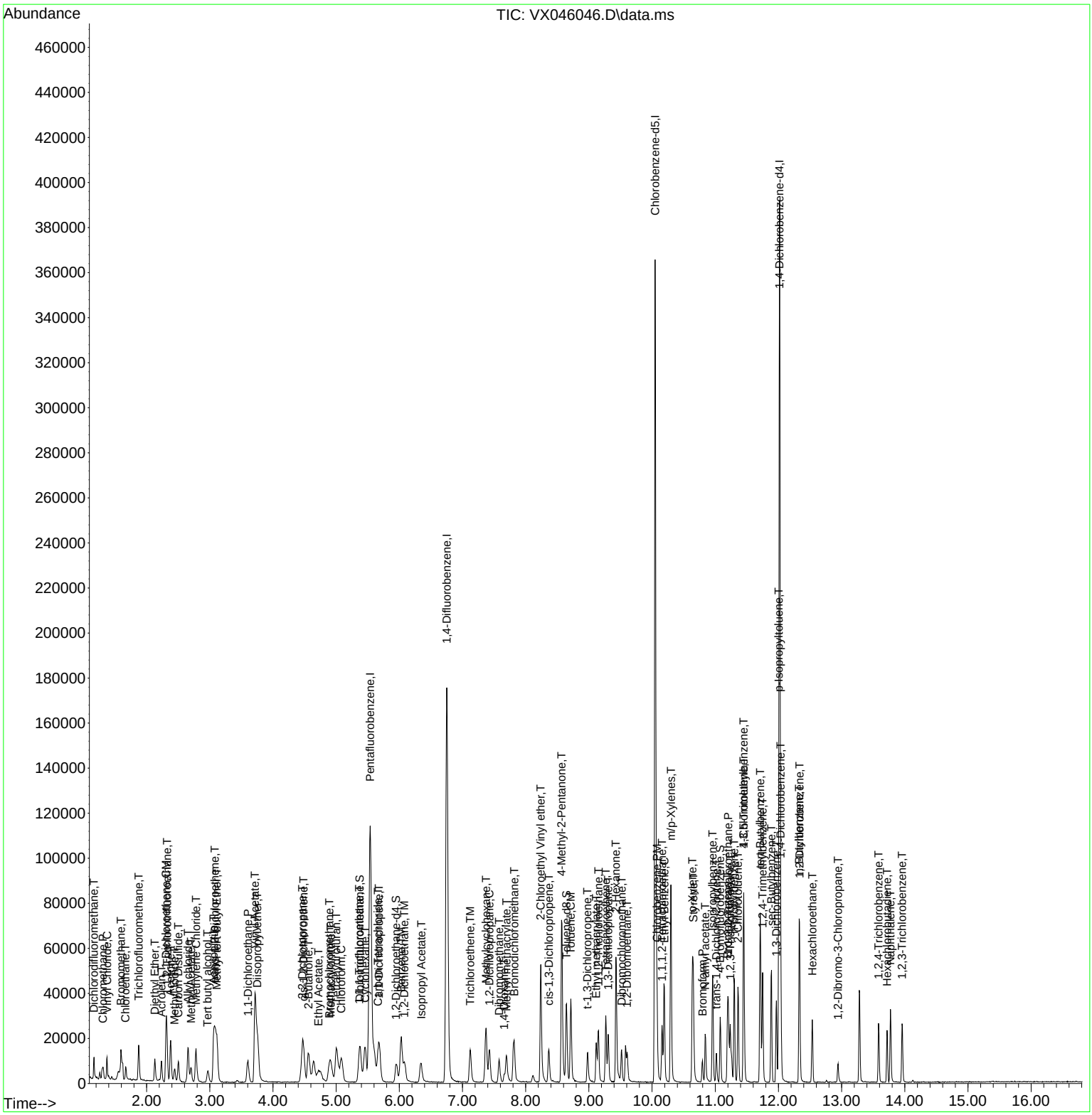
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	92040	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	167022	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	140108	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59123	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1211	0.596	ug/l		98
3) Chloromethane	1.307	50	1278	0.639	ug/l		97
4) Vinyl Chloride	1.374	62	1239	0.707	ug/l	#	82
6) Chloroethane	1.678	64	859	0.951	ug/l		91
7) Trichlorofluoromethane	1.880	101	1959	0.734	ug/l		95
8) Diethyl Ether	2.130	74	742	0.845	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.319	101	1166	0.731	ug/l		96
12) 1,1-Dichloroethene	2.313	96	1093	0.704	ug/l	#	87
14) Allyl chloride	2.654	41	1936	0.660	ug/l		89
15) Acrylonitrile	3.075	53	3343	3.424	ug/l		98
16) Acetone	2.380	43	3500	3.736	ug/l		97
17) Carbon Disulfide	2.508	76	2619	0.728	ug/l		98
18) Methyl Acetate	2.709	43	1852	0.828	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	3588	0.662	ug/l		96
20) Methylene Chloride	2.782	84	1571	0.828	ug/l	#	90
21) trans-1,2-Dichloroethene	3.081	96	1111	0.701	ug/l	#	71
22) Diisopropyl ether	3.757	45	3857	0.703	ug/l	#	26
23) Vinyl Acetate	3.727	43	15283	3.154	ug/l		96
24) 1,1-Dichloroethane	3.605	63	2054	0.637	ug/l		97
25) 2-Butanone	4.593	43	4558	3.371	ug/l		92
26) 2,2-Dichloropropane	4.458	77	1777	0.728	ug/l		84
27) cis-1,2-Dichloroethene	4.483	96	1324	0.693	ug/l		91
28) Bromochloromethane	4.910	49	1061m	0.619	ug/l		
29) Tetrahydrofuran	5.019	42	2931	3.338	ug/l		99
30) Chloroform	5.093	83	2328	0.695	ug/l		98
32) 1,1,1-Trichloroethane	5.379	97	1869	0.647	ug/l	#	51
36) 1,1-Dichloropropene	5.684	75	1648	0.758	ug/l	#	83
37) Ethyl Acetate	4.733	43	1956m	0.717	ug/l		
38) Carbon Tetrachloride	5.678	117	1807	0.724	ug/l	#	78
39) Methylcyclohexane	7.373	83	2096	0.770	ug/l		97
40) Benzene	6.044	78	4502	0.668	ug/l	#	89
41) Methacrylonitrile	4.946	41	778	0.513	ug/l	#	56
42) 1,2-Dichloroethane	6.092	62	1934	0.694	ug/l		81
43) Isopropyl Acetate	6.354	43	2553	0.612	ug/l	#	81
44) Trichloroethene	7.135	130	1083	0.680	ug/l		85
45) 1,2-Dichloropropane	7.440	63	1059	0.633	ug/l		89

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.586	93	880	0.667	ug/l		97
47) Bromodichloromethane	7.818	83	1620	0.633	ug/l	#	91
48) Methyl methacrylate	7.714	41	1235m	0.577	ug/l		
49) 1,4-Dioxane	7.677	88	498	11.703	ug/l	#	66
51) 4-Methyl-2-Pentanone	8.580	43	9378	3.430	ug/l		97
52) Toluene	8.720	92	2684	0.672	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	1238	0.576	ug/l	#	79
54) cis-1,3-Dichloropropene	8.379	75	1414	0.564	ug/l	#	87
55) 1,1,2-Trichloroethane	9.153	97	1029	0.637	ug/l		92
56) Ethyl methacrylate	9.128	69	1260	0.504	ug/l	#	76
57) 1,3-Dichloropropane	9.311	76	2036	0.711	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.244	63	3846	3.420	ug/l		94
59) 2-Hexanone	9.439	43	6424	3.096	ug/l		88
60) Dibromochloromethane	9.525	129	1023	0.582	ug/l		93
61) 1,2-Dibromoethane	9.610	107	1077	0.650	ug/l		98
64) Tetrachloroethene	9.275	164	972	0.679	ug/l		95
65) Chlorobenzene	10.079	112	3170	0.735	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	1035	0.720	ug/l	#	67
67) Ethyl Benzene	10.195	91	5052	0.687	ug/l		94
68) m/p-Xylenes	10.299	106	3630	1.367	ug/l		97
69) o-Xylene	10.640	106	1799	0.672	ug/l		94
70) Styrene	10.659	104	2664	0.622	ug/l		98
71) Bromoform	10.799	173	657	0.608	ug/l	#	100
73) Isopropylbenzene	10.963	105	4480	0.695	ug/l		96
74) N-amyl acetate	10.854	43	2028	0.631	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	1835	0.800	ug/l		94
76) 1,2,3-Trichloropropane	11.244	75	1661m	0.674	ug/l		
77) Bromobenzene	11.201	156	1095	0.734	ug/l		96
78) n-propylbenzene	11.305	91	5052	0.699	ug/l		97
79) 2-Chlorotoluene	11.360	91	3765	0.773	ug/l		94
80) 1,3,5-Trimethylbenzene	11.451	105	3590	0.671	ug/l		96
82) 4-Chlorotoluene	11.457	91	3815	0.713	ug/l		97
83) tert-Butylbenzene	11.713	119	3951	0.751	ug/l		97
84) 1,2,4-Trimethylbenzene	11.756	105	3725	0.697	ug/l		97
85) sec-Butylbenzene	11.890	105	4385	0.672	ug/l		100
86) p-Isopropyltoluene	12.006	119	3577	0.679	ug/l		94
87) 1,3-Dichlorobenzene	11.969	146	1914	0.689	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	2149m	0.789	ug/l		
89) n-Butylbenzene	12.335	91	2889	0.631	ug/l		92
90) Hexachloroethane	12.536	117	604	0.616	ug/l		99
91) 1,2-Dichlorobenzene	12.341	146	2022	0.747	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	306	0.586	ug/l		83
93) 1,2,4-Trichlorobenzene	13.591	180	1019	0.688	ug/l		94
94) Hexachlorobutadiene	13.725	225	465	0.671	ug/l		89
95) Naphthalene	13.780	128	4138	0.767	ug/l		97
96) 1,2,3-Trichlorobenzene	13.963	180	1113	0.716	ug/l		96

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

ICAL Form

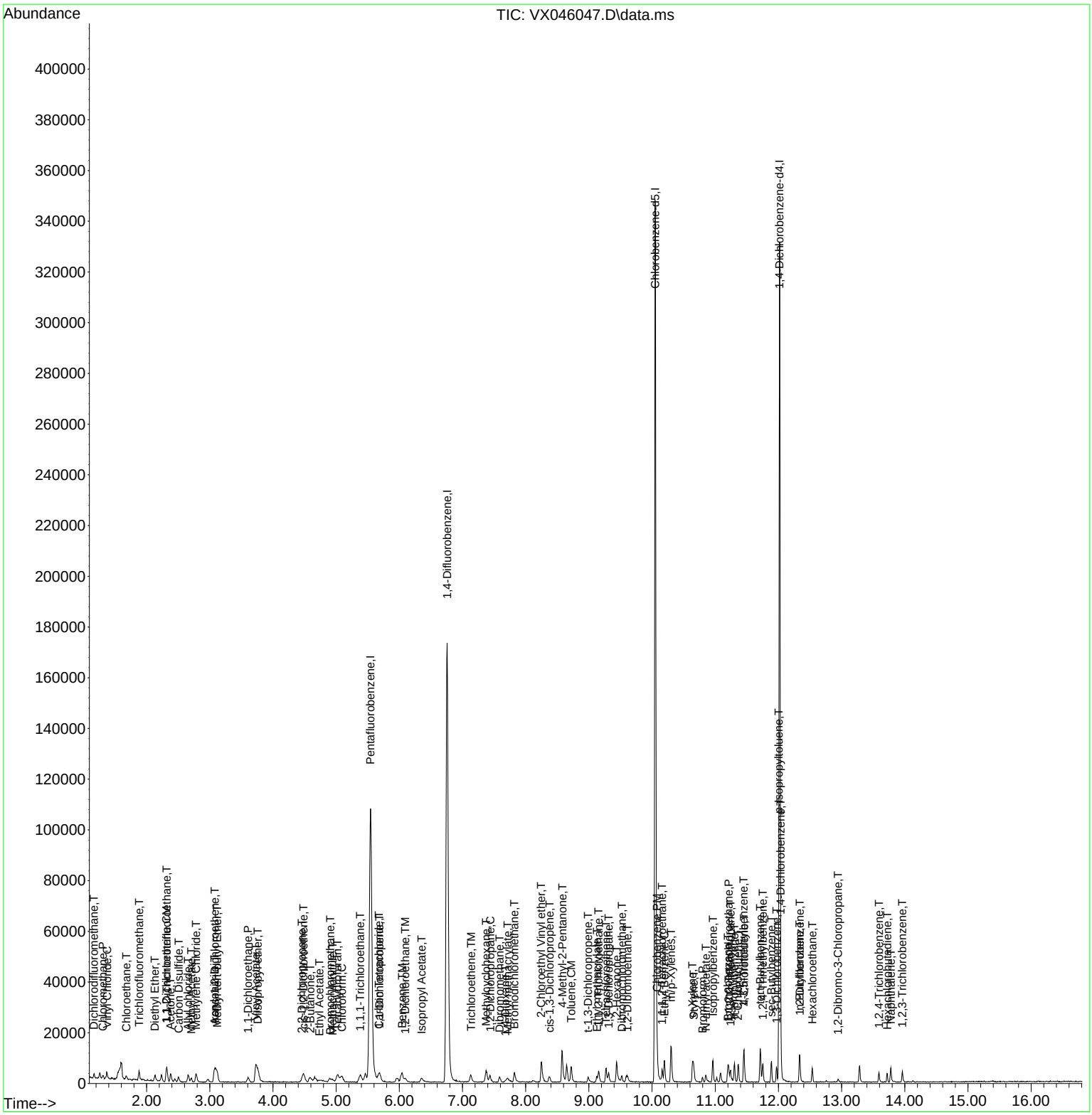
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83733	48.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.020%			
35) Dibromofluoromethane	5.379	113	58192	49.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	8.647	98	198575	48.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.960%			
62) 4-Bromofluorobenzene	11.079	95	75568	48.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	78783	55.594	ug/l	99
3) Chloromethane	1.307	50	72275	52.592	ug/l	100
4) Vinyl Chloride	1.374	62	65994	51.598	ug/l	98
5) Bromomethane	1.593	94	30033	50.627	ug/l	97
6) Chloroethane	1.666	64	35690	52.271	ug/l	94
7) Trichlorofluoromethane	1.874	101	99352	52.560	ug/l	99
8) Diethyl Ether	2.130	74	31875	49.536	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59451	50.822	ug/l	99
10) Methyl Iodide	2.447	142	73940	53.419	ug/l	99
11) Tert butyl alcohol	2.977	59	61065	252.025	ug/l	99
12) 1,1-Dichloroethene	2.313	96	56097	51.097	ug/l	98
13) Acrolein	2.233	56	64157	232.505	ug/l	99
14) Allyl chloride	2.660	41	108757	51.833	ug/l	100
15) Acrylonitrile	3.063	53	181808	262.412	ug/l	99
16) Acetone	2.380	43	169923	245.518	ug/l	98
17) Carbon Disulfide	2.502	76	132695	50.981	ug/l	99
18) Methyl Acetate	2.703	43	80251	49.968	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	195442	50.777	ug/l	99
20) Methylene Chloride	2.782	84	63369	47.779	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	55770	50.513	ug/l	99
22) Diisopropyl ether	3.757	45	209946	51.800	ug/l	97
23) Vinyl Acetate	3.715	43	946746	265.585	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114733	50.825	ug/l	98
25) 2-Butanone	4.556	43	258339	257.110	ug/l	97
26) 2,2-Dichloropropane	4.471	77	88229	49.934	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	67727	50.956	ug/l	100
28) Bromochloromethane	4.891	49	55390	50.975	ug/l	98
29) Tetrahydrofuran	5.001	42	163675	259.958	ug/l	99
30) Chloroform	5.093	83	120782	51.332	ug/l	97
31) Cyclohexane	5.458	56	103158	50.147	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	104243	51.108	ug/l	100
36) 1,1-Dichloropropene	5.690	75	77931	49.521	ug/l	99
37) Ethyl Acetate	4.715	43	98604	50.714	ug/l	100
38) Carbon Tetrachloride	5.666	117	88100	49.825	ug/l	97
39) Methylcyclohexane	7.373	83	100808	49.757	ug/l	98
40) Benzene	6.031	78	233977	50.759	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56017	55.076	ug/l		100
42) 1,2-Dichloroethane	6.080	62	101185	50.861	ug/l		98
43) Isopropyl Acetate	6.336	43	154818	52.195	ug/l		99
44) Trichloroethene	7.123	130	55491	50.018	ug/l		100
45) 1,2-Dichloropropane	7.428	63	59582	51.983	ug/l		98
46) Dibromomethane	7.580	93	45181	49.978	ug/l		99
47) Bromodichloromethane	7.818	83	92388	51.889	ug/l		100
48) Methyl methacrylate	7.690	41	82144	54.226	ug/l		98
49) 1,4-Dioxane	7.659	88	30477	1059.599	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	510206	259.133	ug/l		100
52) Toluene	8.714	92	144574	51.150	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	83751	52.920	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	92517	52.892	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	56713	50.887	ug/l		96
56) Ethyl methacrylate	9.116	69	95772	53.918	ug/l		99
57) 1,3-Dichloropropane	9.305	76	99663	49.793	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	240681	265.780	ug/l		99
59) 2-Hexanone	9.427	43	390701	268.218	ug/l		100
60) Dibromochloromethane	9.519	129	63738	52.075	ug/l		99
61) 1,2-Dibromoethane	9.610	107	59134	51.050	ug/l		98
64) Tetrachloroethene	9.269	164	48034	46.795	ug/l		98
65) Chlorobenzene	10.073	112	154640	48.699	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53735	49.557	ug/l		100
67) Ethyl Benzene	10.189	91	281239	50.245	ug/l		100
68) m/p-Xylenes	10.299	106	206813	101.022	ug/l		99
69) o-Xylene	10.640	106	101469	50.841	ug/l		99
70) Styrene	10.653	104	169703	51.907	ug/l		99
71) Bromoform	10.799	173	40364	49.583	ug/l	#	97
73) Isopropylbenzene	10.957	105	269484	50.733	ug/l		100
74) N-amyl acetate	10.842	43	137559	52.407	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89027	47.827	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	79763m	48.568	ug/l		
77) Bromobenzene	11.195	156	59871	48.549	ug/l		98
78) n-propylbenzene	11.299	91	312285	50.562	ug/l		100
79) 2-Chlorotoluene	11.360	91	195630	49.107	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	228538	51.500	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24857	49.276	ug/l		98
82) 4-Chlorotoluene	11.451	91	223811	50.661	ug/l		100
83) tert-Butylbenzene	11.713	119	225783	50.511	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231371	51.485	ug/l		100
85) sec-Butylbenzene	11.890	105	280578	51.122	ug/l		99
86) p-Isopropyltoluene	12.006	119	231942	51.198	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	113146	50.272	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	111173	48.368	ug/l		99
89) n-Butylbenzene	12.329	91	205858	51.804	ug/l		100
90) Hexachloroethane	12.536	117	39823	49.895	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111482	49.361	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21220	51.458	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	64421	49.662	ug/l		100
94) Hexachlorobutadiene	13.719	225	27425	48.408	ug/l		98
95) Naphthalene	13.774	128	239805	50.404	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	64950	48.525	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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

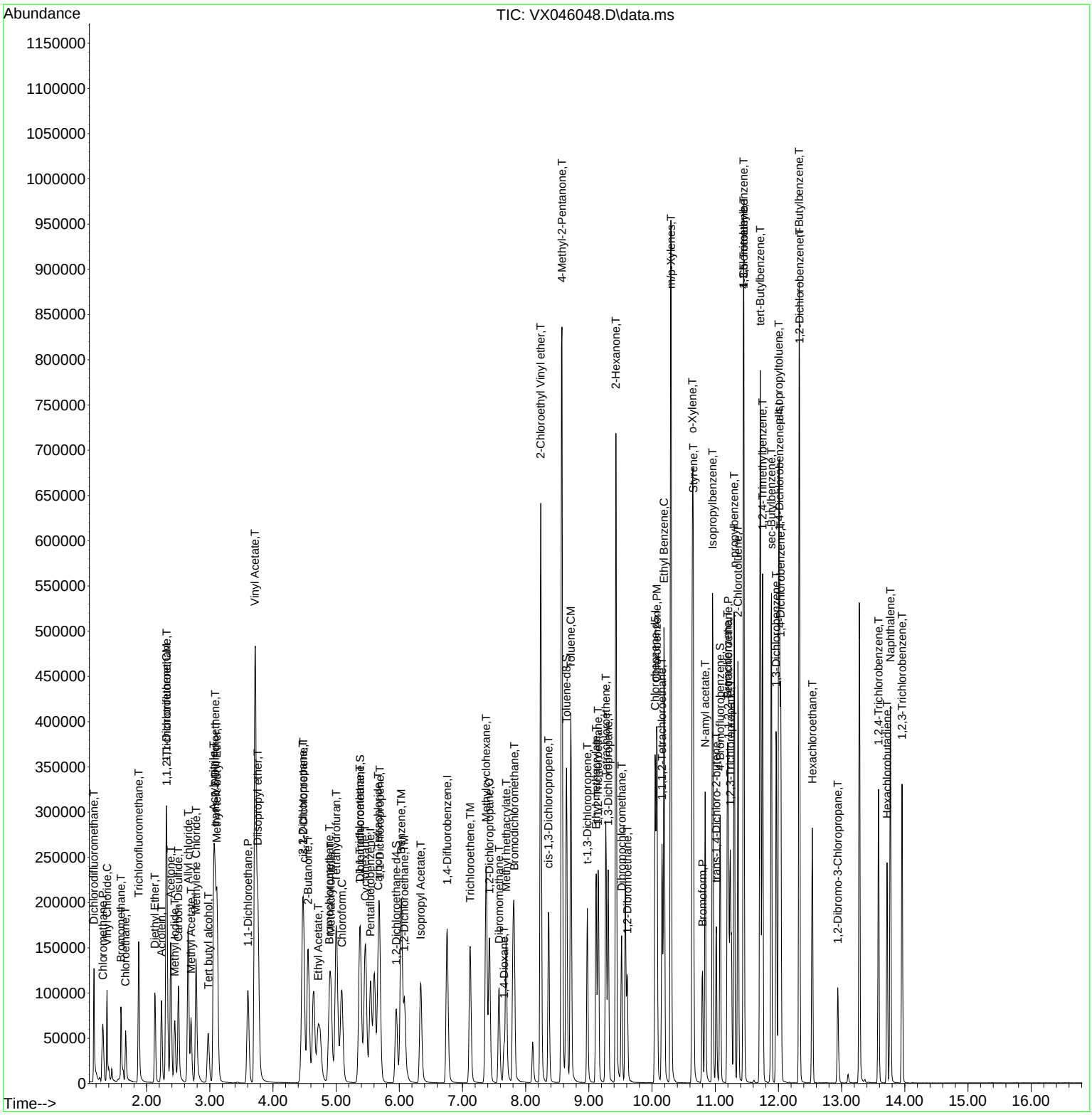
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	95	0.00
2	T	Dichlorodifluoromethane	0.765	0.851	-11.2	94	0.00
3	P	Chloromethane	0.742	0.781	-5.3	96	0.00
4	C	Vinyl Chloride	0.691	0.713	-3.2#	96	0.00
5	T	Bromomethane	0.320	0.324	-1.3	95	0.00
6	T	Chloroethane	0.369	0.385	-4.3	97	0.00
7	T	Trichlorofluoromethane	1.021	1.073	-5.1	96	0.00
8	T	Diethyl Ether	0.347	0.344	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.642	-1.6	96	0.00
10	T	Methyl Iodide	0.747	0.799	-7.0	94	0.00
11	T	Tert butyl alcohol	0.131	0.132	-0.8	98	0.00
12	CM	1,1-Dichloroethene	0.593	0.606	-2.2#	96	0.00
13	T	Acrolein	0.149	0.139	6.7	87	0.00
14	T	Allyl chloride	1.133	1.175	-3.7	95	0.00
15	T	Acrylonitrile	0.374	0.393	-5.1	97	0.00
16	T	Acetone	0.374	0.367	1.9	97	0.00
17	T	Carbon Disulfide	1.406	1.433	-1.9	94	0.00
18	T	Methyl Acetate	0.867	0.867	0.0	97	0.00
19	T	Methyl tert-butyl Ether	2.079	2.111	-1.5	93	0.00
20	T	Methylene Chloride	0.716	0.684	4.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.602	-1.0	94	0.00
22	T	Diisopropyl ether	2.189	2.268	-3.6	95	0.00
23	T	Vinyl Acetate	1.925	2.045	-6.2	95	0.00
24	P	1,1-Dichloroethane	1.219	1.239	-1.6	94	0.00
25	T	2-Butanone	0.543	0.558	-2.8	96	0.00
26	T	2,2-Dichloropropane	0.954	0.953	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.731	-1.8	95	0.00
28	T	Bromochloromethane	0.587	0.598	-1.9	99	0.00
29	T	Tetrahydrofuran	0.340	0.354	-4.1	96	0.00
30	C	Chloroform	1.271	1.305	-2.7#	96	0.00
31	T	Cyclohexane	1.111	1.114	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	1.101	1.126	-2.3	95	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.904	3.0	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.360	0.358	0.6	98	0.00
36	T	1,1-Dichloropropene	0.484	0.479	1.0	94	0.00
37	T	Ethyl Acetate	0.598	0.606	-1.3	96	0.00
38	T	Carbon Tetrachloride	0.544	0.542	0.4	94	0.00
39	T	Methylcyclohexane	0.623	0.620	0.5	94	0.00
40	TM	Benzene	1.417	1.439	-1.6	95	0.00
41	T	Methacrylonitrile	0.313	0.344	-9.9	96	0.00
42	TM	1,2-Dichloroethane	0.612	0.622	-1.6	96	0.00
43	T	Isopropyl Acetate	0.912	0.952	-4.4	96	0.00
44	TM	Trichloroethene	0.341	0.341	0.0	93	0.00
45	C	1,2-Dichloropropane	0.352	0.366	-4.0#	96	0.00
46	T	Dibromomethane	0.278	0.278	0.0	94	0.00
47	T	Bromodichloromethane	0.547	0.568	-3.8	95	0.00
48	T	Methyl methacrylate	0.466	0.505	-8.4	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.009	0.009	0.0	100	0.00
50	S	Toluene-d8	1.246	1.221	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.627	-3.6	96	0.00
52	CM	Toluene	0.869	0.889	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	0.487	0.515	-5.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.569	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	0.343	0.349	-1.7	95	0.00
56	T	Ethyl methacrylate	0.546	0.589	-7.9	96	0.00
57	T	1,3-Dichloropropane	0.615	0.613	0.3	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.296	-6.5	93	0.00
59	T	2-Hexanone	0.448	0.480	-7.1	98	0.00
60	T	Dibromochloromethane	0.376	0.392	-4.3	95	0.00
61	T	1,2-Dibromoethane	0.356	0.364	-2.2	94	0.00
62	S	4-Bromofluorobenzene	0.478	0.465	2.7	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.354	0.331	6.5	88	0.00
65	PM	Chlorobenzene	1.094	1.066	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.370	1.1	94	0.00
67	C	Ethyl Benzene	1.929	1.939	-0.5#	95	0.00
68	T	m/p-Xylenes	0.706	0.713	-1.0	95	0.00
69	T	o-Xylene	0.688	0.699	-1.6	95	0.00
70	T	Styrene	1.127	1.170	-3.8	95	0.00
71	P	Bromoform	0.281	0.278	1.1	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.893	3.950	-1.5	96	0.00
74	T	N-amyl acetate	1.924	2.016	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.305	4.3	98	0.00
76	T	1,2,3-Trichloropropane	1.204	1.169	2.9	99	0.00
77	T	Bromobenzene	0.904	0.878	2.9	95	0.00
78	T	n-propylbenzene	4.526	4.577	-1.1	95	0.00
79	T	2-Chlorotoluene	2.919	2.867	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.350	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.364	1.6	95	0.00
82	T	4-Chlorotoluene	3.238	3.280	-1.3	96	0.00
83	T	tert-Butylbenzene	3.276	3.309	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.391	-3.0	97	0.00
85	T	sec-Butylbenzene	4.022	4.112	-2.2	96	0.00
86	T	p-Isopropyltoluene	3.320	3.399	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	1.649	1.658	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	1.684	1.629	3.3	97	0.00
89	T	n-Butylbenzene	2.912	3.017	-3.6	96	0.00
90	T	Hexachloroethane	0.585	0.584	0.2	94	0.00
91	T	1,2-Dichlorobenzene	1.655	1.634	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.311	-3.0	97	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.944	0.7	97	0.00
94	T	Hexachlorobutadiene	0.415	0.402	3.1	95	0.00
95	T	Naphthalene	3.487	3.515	-0.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.981	0.952	3.0	94	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	95	0.00
2	T	Dichlorodifluoromethane	50.000	55.594	-11.2	94	0.00
3	P	Chloromethane	50.000	52.592	-5.2	96	0.00
4	C	Vinyl Chloride	50.000	51.598	-3.2#	96	0.00
5	T	Bromomethane	50.000	50.627	-1.3	95	0.00
6	T	Chloroethane	50.000	52.271	-4.5	97	0.00
7	T	Trichlorofluoromethane	50.000	52.560	-5.1	96	0.00
8	T	Diethyl Ether	50.000	49.536	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.822	-1.6	96	0.00
10	T	Methyl Iodide	50.000	53.419	-6.8	94	0.00
11	T	Tert butyl alcohol	250.000	252.025	-0.8	98	0.00
12	CM	1,1-Dichloroethene	50.000	51.097	-2.2#	96	0.00
13	T	Acrolein	250.000	232.505	7.0	87	0.00
14	T	Allyl chloride	50.000	51.833	-3.7	95	0.00
15	T	Acrylonitrile	250.000	262.412	-5.0	97	0.00
16	T	Acetone	250.000	245.518	1.8	97	0.00
17	T	Carbon Disulfide	50.000	50.981	-2.0	94	0.00
18	T	Methyl Acetate	50.000	49.968	0.1	97	0.00
19	T	Methyl tert-butyl Ether	50.000	50.777	-1.6	93	0.00
20	T	Methylene Chloride	50.000	47.779	4.4	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.513	-1.0	94	0.00
22	T	Diisopropyl ether	50.000	51.800	-3.6	95	0.00
23	T	Vinyl Acetate	250.000	265.585	-6.2	95	0.00
24	P	1,1-Dichloroethane	50.000	50.825	-1.7	94	0.00
25	T	2-Butanone	250.000	257.110	-2.8	96	0.00
26	T	2,2-Dichloropropane	50.000	49.934	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.956	-1.9	95	0.00
28	T	Bromochloromethane	50.000	50.975	-2.0	99	0.00
29	T	Tetrahydrofuran	250.000	259.958	-4.0	96	0.00
30	C	Chloroform	50.000	51.332	-2.7#	96	0.00
31	T	Cyclohexane	50.000	50.147	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	50.000	51.108	-2.2	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.509	3.0	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	49.683	0.6	98	0.00
36	T	1,1-Dichloropropene	50.000	49.521	1.0	94	0.00
37	T	Ethyl Acetate	50.000	50.714	-1.4	96	0.00
38	T	Carbon Tetrachloride	50.000	49.825	0.3	94	0.00
39	T	Methylcyclohexane	50.000	49.757	0.5	94	0.00
40	TM	Benzene	50.000	50.759	-1.5	95	0.00
41	T	Methacrylonitrile	50.000	55.076	-10.2	96	0.00
42	TM	1,2-Dichloroethane	50.000	50.861	-1.7	96	0.00
43	T	Isopropyl Acetate	50.000	52.195	-4.4	96	0.00
44	TM	Trichloroethene	50.000	50.018	-0.0	93	0.00
45	C	1,2-Dichloropropane	50.000	51.983	-4.0#	96	0.00
46	T	Dibromomethane	50.000	49.978	0.0	94	0.00
47	T	Bromodichloromethane	50.000	51.889	-3.8	95	0.00
48	T	Methyl methacrylate	50.000	54.226	-8.5	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	1059.599	-6.0	100	0.00
50	S	Toluene-d8	50.000	48.984	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.133	-3.7	96	0.00
52	CM	Toluene	50.000	51.150	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	52.920	-5.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.892	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	50.000	50.887	-1.8	95	0.00
56	T	Ethyl methacrylate	50.000	53.918	-7.8	96	0.00
57	T	1,3-Dichloropropane	50.000	49.793	0.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.780	-6.3	93	0.00
59	T	2-Hexanone	250.000	268.218	-7.3	98	0.00
60	T	Dibromochloromethane	50.000	52.075	-4.2	95	0.00
61	T	1,2-Dibromoethane	50.000	51.050	-2.1	94	0.00
62	S	4-Bromofluorobenzene	50.000	48.596	2.8	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	46.795	6.4	88	0.00
65	PM	Chlorobenzene	50.000	48.699	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.557	0.9	94	0.00
67	C	Ethyl Benzene	50.000	50.245	-0.5#	95	0.00
68	T	m/p-Xylenes	100.000	101.022	-1.0	95	0.00
69	T	o-Xylene	50.000	50.841	-1.7	95	0.00
70	T	Styrene	50.000	51.907	-3.8	95	0.00
71	P	Bromoform	50.000	49.583	0.8	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	50.733	-1.5	96	0.00
74	T	N-amyl acetate	50.000	52.407	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.827	4.3	98	0.00
76	T	1,2,3-Trichloropropane	50.000	48.568	2.9	99	0.00
77	T	Bromobenzene	50.000	48.549	2.9	95	0.00
78	T	n-propylbenzene	50.000	50.562	-1.1	95	0.00
79	T	2-Chlorotoluene	50.000	49.107	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.500	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.276	1.4	95	0.00
82	T	4-Chlorotoluene	50.000	50.661	-1.3	96	0.00
83	T	tert-Butylbenzene	50.000	50.511	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.485	-3.0	97	0.00
85	T	sec-Butylbenzene	50.000	51.122	-2.2	96	0.00
86	T	p-Isopropyltoluene	50.000	51.198	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	50.000	50.272	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.368	3.3	97	0.00
89	T	n-Butylbenzene	50.000	51.804	-3.6	96	0.00
90	T	Hexachloroethane	50.000	49.895	0.2	94	0.00
91	T	1,2-Dichlorobenzene	50.000	49.361	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.458	-2.9	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.662	0.7	97	0.00
94	T	Hexachlorobutadiene	50.000	48.408	3.2	95	0.00
95	T	Naphthalene	50.000	50.404	-0.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.525	3.0	94	0.00

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.7
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Trichlorofluoromethane	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.9
1,1,2-Trichlorotrifluoroethane	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.8
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.2
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.6
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Bromochloromethane	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.2
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	6
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2
1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.3
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5
Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4
1,3-Dichlorobenzene	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.5
1,4-Dichlorobenzene	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.7
1,2-Dichlorobenzene	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.8
1,2-Dibromo-3-Chloropropane	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.9
1,2,4-Trichlorobenzene	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.1
1,2,3-Trichlorobenzene	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.2
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025
Response Via : Initial Calibration

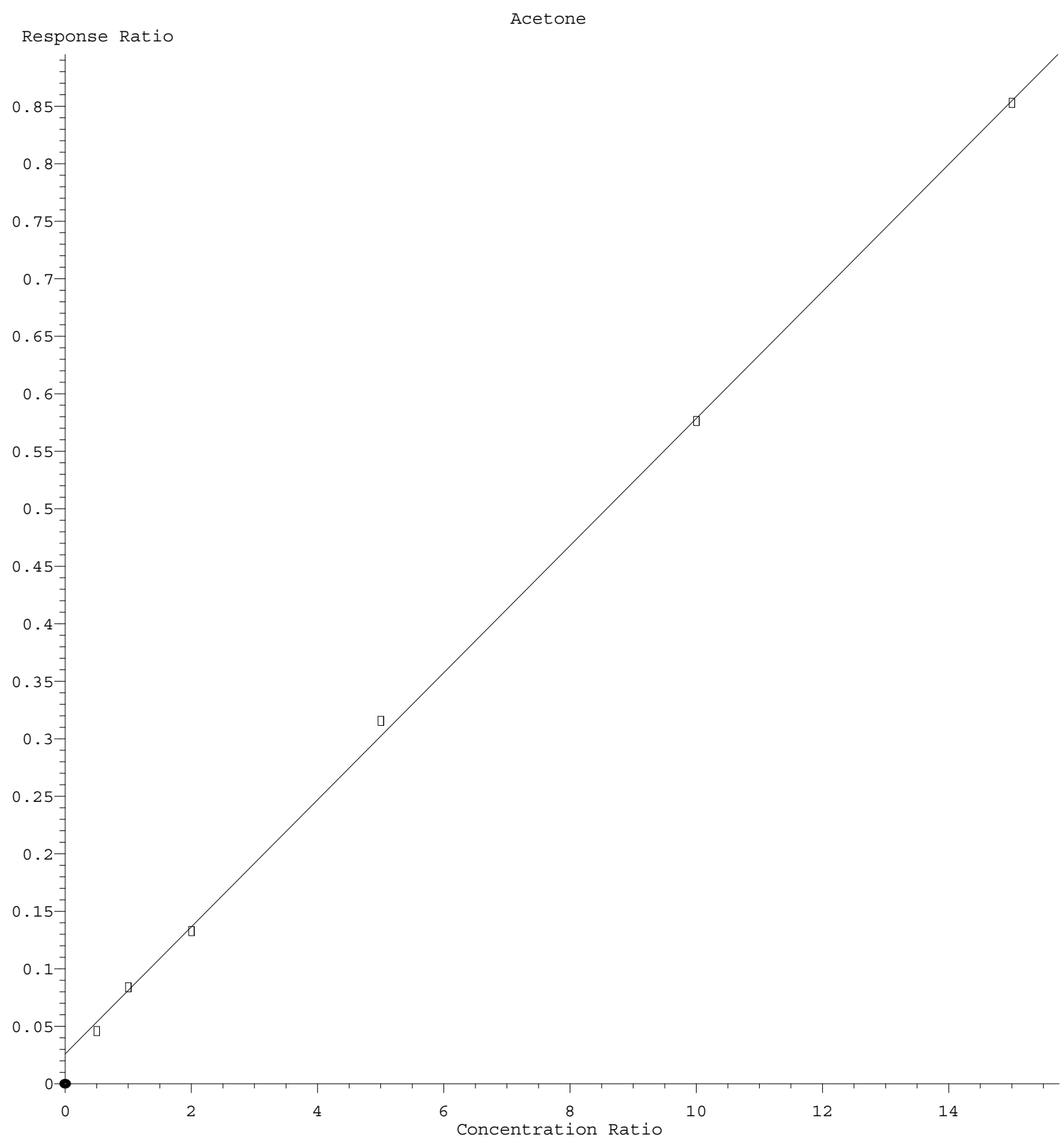
Calibration Files
5 =VY021953.D 10 =VY021954.D 20 =VY021955.D 50 =VY021956.D 100 =VY021957.D 150 =VY021958.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.66
3)	P	Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.24
4)	C	Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.14#
5)	T	Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.29
6)	T	Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.60
7)	T	Trichlorofluor...	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.87
8)	T	Diethyl Ether	0.283	0.266	0.253	0.247	0.246	0.240	0.256	6.23
9)	T	1,1,2-Trichlor...	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.83
10)	T	Methyl Iodide	0.573	0.619	0.604	0.629	0.651	0.628	0.617	4.33
11)	T	Tert butyl alc...	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.35
12)	CM	1,1-Dichloroet...	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5.05#
13)	T	Acrolein	0.053	0.045	0.051	0.042	0.040	0.042	0.046	11.55
14)	T	Allyl chloride	0.620	0.607	0.558	0.555	0.575	0.557	0.579	4.82
15)	T	Acrylonitrile	0.103	0.090	0.099	0.093	0.088	0.088	0.094	6.56
16)	T	Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.66
17)	T	Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.75
18)	T	Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.16
19)	T	Methyl tert-bu...	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.57
20)	T	Methylene Chlo...	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.72
21)	T	trans-1,2-Dich...	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.29
22)	T	Diisopropyl ether	1.282	1.292	1.316	1.290	1.300	1.248	1.288	1.78
23)	T	Vinyl Acetate	0.657	0.684	0.700	0.716	0.713	0.694	0.694	3.15
24)	P	1,1-Dichloroet...	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.89
25)	T	2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.53
26)	T	2,2-Dichloropr...	0.841	0.830	0.763	0.743	0.770	0.748	0.782	5.42
27)	T	cis-1,2-Dichlo...	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.08
28)	T	Bromochloromet...	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.18
29)	T	Tetrahydrofuran	0.067	0.065	0.072	0.073	0.066	0.067	0.068	4.92
30)	C	Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.17#
31)	T	Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.59
32)	T	1,1,1-Trichlor...	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.78
33)	S	1,2-Dichloroet...	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.29
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.34
36)	T	1,1-Dichloropr...	0.455	0.470	0.424	0.425	0.450	0.437	0.444	4.10
37)	T	Ethyl Acetate	0.166	0.161	0.163	0.161	0.153	0.151	0.159	3.67
38)	T	Carbon Tetrach...	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.90
39)	T	Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	5.95
40)	TM	Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.14
41)	T	Methacrylonitrile	0.076	0.086	0.104	0.092	0.082	0.084	0.087	11.20
42)	TM	1,2-Dichloroet...	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.27
43)	T	Isopropyl Acetate	0.301	0.293	0.314	0.312	0.309	0.308	0.306	2.52
44)	TM	Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.28
45)	C	1,2-Dichloropr...	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.36#
46)	T	Dibromomethane	0.202	0.193	0.192	0.187	0.191	0.187	0.192	2.95
47)	T	Bromodichlorom...	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.08
48)	T	Methyl methacr...	0.120	0.130	0.147	0.150	0.150	0.151	0.141	9.21
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.90
50)	S	Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2.04
51)	T	4-Methyl-2-Pen...	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.94
52)	CM	Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.35#
53)	T	t-1,3-Dichloro...	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.70
54)	T	cis-1,3-Dichlo...	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.32
55)	T	1,1,2-Trichlor...	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.82
56)	T	Ethyl methacry...	0.234	0.259	0.290	0.316	0.332	0.329	0.293	13.69

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y042225S.M

57)	T	1,3-Dichloropr...	0.413	0.420	0.405	0.409	0.417	0.404	0.411	1.58
58)	T	2-Chloroethyl ...	0.118	0.121	0.146	0.161	0.154	0.161	0.143	13.40
59)	T	2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.46
60)	T	Dibromochlorom...	0.345	0.355	0.354	0.352	0.367	0.357	0.355	1.96
61)	T	1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.27
62)	S	4-Bromofluorob...	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.77
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.64
65)	PM	Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.46
66)	T	1,1,1,2-Tetrac...	0.401	0.409	0.376	0.386	0.401	0.388	0.394	3.12
67)	C	Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.06#
68)	T	m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.28
69)	T	o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.32
70)	T	Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.16
71)	P	Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.48
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.24
74)	T	N-amyl acetate	0.528	0.530	0.553	0.591	0.615	0.626	0.574	7.48
75)	P	1,1,2,2-Tetrac...	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.42
76)	T	1,2,3-Trichlor...	0.498	0.445	0.418	0.405	0.408	0.397	0.428	8.83
77)	T	Bromobenzene	0.855	0.831	0.780	0.828	0.890	0.881	0.844	4.76
78)	T	n-propylbenzene	3.708	3.996	3.778	3.977	4.258	4.152	3.978	5.30
79)	T	2-Chlorotoluene	2.253	2.343	2.179	2.280	2.435	2.391	2.314	4.07
80)	T	1,3,5-Trimethy...	2.467	2.757	2.614	2.800	2.978	2.898	2.752	6.80
81)	T	trans-1,4-Dich...	0.185	0.174	0.170	0.177	0.181	0.181	0.178	2.93
82)	T	4-Chlorotoluene	2.313	2.501	2.270	2.380	2.521	2.445	2.405	4.23
83)	T	tert-Butylbenzene	2.246	2.382	2.263	2.494	2.725	2.701	2.468	8.48
84)	T	1,2,4-Trimethy...	2.415	2.717	2.631	2.784	3.027	2.945	2.753	8.01
85)	T	sec-Butylbenzene	3.254	3.724	3.409	3.602	3.898	3.786	3.612	6.72
86)	T	p-Isopropyltol...	2.717	3.016	2.869	3.094	3.386	3.321	3.067	8.39
87)	T	1,3-Dichlorobe...	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.53
88)	T	1,4-Dichlorobe...	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.73
89)	T	n-Butylbenzene	2.477	2.790	2.545	2.742	2.976	2.919	2.742	7.24
90)	T	Hexachloroethane	0.715	0.710	0.614	0.638	0.689	0.677	0.674	6.01
91)	T	1,2-Dichlorobe...	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.84
92)	T	1,2-Dibromo-3-...	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.90
93)	T	1,2,4-Trichlor...	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.11
94)	T	Hexachlorobuta...	0.522	0.545	0.483	0.480	0.555	0.544	0.521	6.28
95)	T	Naphthalene	1.186	1.113	1.284	1.436	1.690	1.738	1.408	18.56
96)	T	1,2,3-Trichlor...	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.25

(#) = Out of Range



Response = 5.529e-002 * Amt + 2.582e-002
Coef of Det (r^2) = 0.999482 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y042225S.M
Calibration Table Last Updated: Wed Apr 23 02:30:30 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	280613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14719	5.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 11.360%#			
35) Dibromofluoromethane	7.634	113	15517	5.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.140%#			
50) Toluene-d8	10.109	98	56501	4.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.800%#			
62) 4-Bromofluorobenzene	12.407	95	18902	4.869	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.740%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	13157	5.503	ug/l	93
3) Chloromethane	2.068	50	19759	5.803	ug/l	92
4) Vinyl Chloride	2.202	62	23262	5.560	ug/l	98
5) Bromomethane	2.598	94	21956	6.091	ug/l	99
6) Chloroethane	2.732	64	16527	5.800	ug/l	90
7) Trichlorofluoromethane	3.055	101	29399	5.329	ug/l	93
8) Diethyl Ether	3.452	74	7949	5.536	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	16959	5.667	ug/l	97
10) Methyl Iodide	4.000	142	16072	4.638	ug/l	97
11) Tert butyl alcohol	4.866	59	3727m	26.192	ug/l	
12) 1,1-Dichloroethene	3.793	96	14742	5.285	ug/l	97
13) Acrolein	3.659	56	7419	29.049	ug/l	97
14) Allyl chloride	4.372	41	17385	5.352	ug/l	98
15) Acrylonitrile	5.055	53	14464	27.514	ug/l	97
16) Acetone	3.872	43	12844	18.039	ug/l #	83
17) Carbon Disulfide	4.104	76	48701	5.475	ug/l	98
18) Methyl Acetate	4.391	43	5994	4.951	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	30819	4.936	ug/l	98
20) Methylene Chloride	4.610	84	21309	6.502	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	17357	5.556	ug/l	92
22) Diisopropyl ether	6.012	45	35963	4.975	ug/l	91
23) Vinyl Acetate	5.963	43	92152	23.655	ug/l	95
24) 1,1-Dichloroethane	5.915	63	27705	5.529	ug/l	98
25) 2-Butanone	6.896	43	15627	26.449	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	23594	5.373	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	17569	5.029	ug/l	96
28) Bromochloromethane	7.244	49	10541	5.416	ug/l	98
29) Tetrahydrofuran	7.262	42	9424	24.559	ug/l	97
30) Chloroform	7.421	83	30418	5.473	ug/l	97
31) Cyclohexane	7.707	56	23446	5.472	ug/l #	77
32) 1,1,1-Trichloroethane	7.622	97	27271	5.424	ug/l	96
36) 1,1-Dichloropropene	7.829	75	21076	5.130	ug/l	96
37) Ethyl Acetate	6.982	43	7691m	5.283	ug/l	
38) Carbon Tetrachloride	7.811	117	25016	5.095	ug/l	97
39) Methylcyclohexane	9.109	83	24303	4.700	ug/l	97
40) Benzene	8.079	78	65878	5.129	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.232	41	3506m	4.345 ug/l		
42) 1,2-Dichloroethane	8.158	62	16046	5.046 ug/l		96
43) Isopropyl Acetate	8.195	43	13940	4.919 ug/l	#	86
44) Trichloroethene	8.865	130	18611	5.231 ug/l		96
45) 1,2-Dichloropropane	9.146	63	14827	5.220 ug/l		99
46) Dibromomethane	9.231	93	9367	5.268 ug/l		96
47) Bromodichloromethane	9.420	83	22170	4.991 ug/l	#	96
48) Methyl methacrylate	9.225	41	5570	4.252 ug/l		94
49) 1,4-Dioxane	9.231	88	1703	89.863 ug/l	#	90
51) 4-Methyl-2-Pentanone	9.999	43	33298	22.414 ug/l		98
52) Toluene	10.170	92	38784	4.665 ug/l		97
53) t-1,3-Dichloropropene	10.396	75	17712	4.649 ug/l	#	87
54) cis-1,3-Dichloropropene	9.853	75	21582	4.765 ug/l		92
55) 1,1,2-Trichloroethane	10.572	97	11582	4.877 ug/l		94
56) Ethyl methacrylate	10.444	69	10816	3.982 ug/l		96
57) 1,3-Dichloropropane	10.719	76	19113	5.020 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	27363	20.606 ug/l		100
59) 2-Hexanone	10.761	43	21558	22.001 ug/l		92
60) Dibromochloromethane	10.914	129	15992	4.863 ug/l		97
61) 1,2-Dibromoethane	11.017	107	11020	4.915 ug/l		98
64) Tetrachloroethene	10.646	164	20545	5.302 ug/l		91
65) Chlorobenzene	11.444	112	48805	5.314 ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.517	131	16483	5.097 ug/l		98
67) Ethyl Benzene	11.517	91	69548	4.629 ug/l		97
68) m/p-Xylenes	11.627	106	54518	9.119 ug/l		100
69) o-Xylene	11.956	106	24611	4.466 ug/l		98
70) Styrene	11.969	104	39016	4.217 ug/l		97
71) Bromoform	12.133	173	9608	5.111 ug/l	#	98
73) Isopropylbenzene	12.255	105	62917	4.582 ug/l		97
74) N-amyl acetate	12.072	43	10843	4.596 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	12362	5.340 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	10228m	5.648 ug/l		
77) Bromobenzene	12.535	156	17570	5.064 ug/l		100
78) n-propylbenzene	12.596	91	76210	4.660 ug/l		100
79) 2-Chlorotoluene	12.682	91	46298	4.868 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	50699	4.481 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	3795	5.191 ug/l		98
82) 4-Chlorotoluene	12.779	91	47541	4.809 ug/l		98
83) tert-Butylbenzene	12.999	119	46171	4.550 ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	49642	4.387 ug/l		99
85) sec-Butylbenzene	13.176	105	66872	4.504 ug/l		99
86) p-Isopropyltoluene	13.291	119	55850	4.430 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	35553	5.045 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	37426	5.362 ug/l		95
89) n-Butylbenzene	13.621	91	50918	4.518 ug/l		99
90) Hexachloroethane	13.883	117	14703	5.308 ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	31298	5.092 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2000	5.430 ug/l		86
93) 1,2,4-Trichlorobenzene	14.919	180	15346	4.406 ug/l		94
94) Hexachlorobutadiene	15.023	225	10723	5.004 ug/l		98
95) Naphthalene	15.145	128	24368	4.212 ug/l		97
96) 1,2,3-Trichlorobenzene	15.328	180	13785	4.585 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

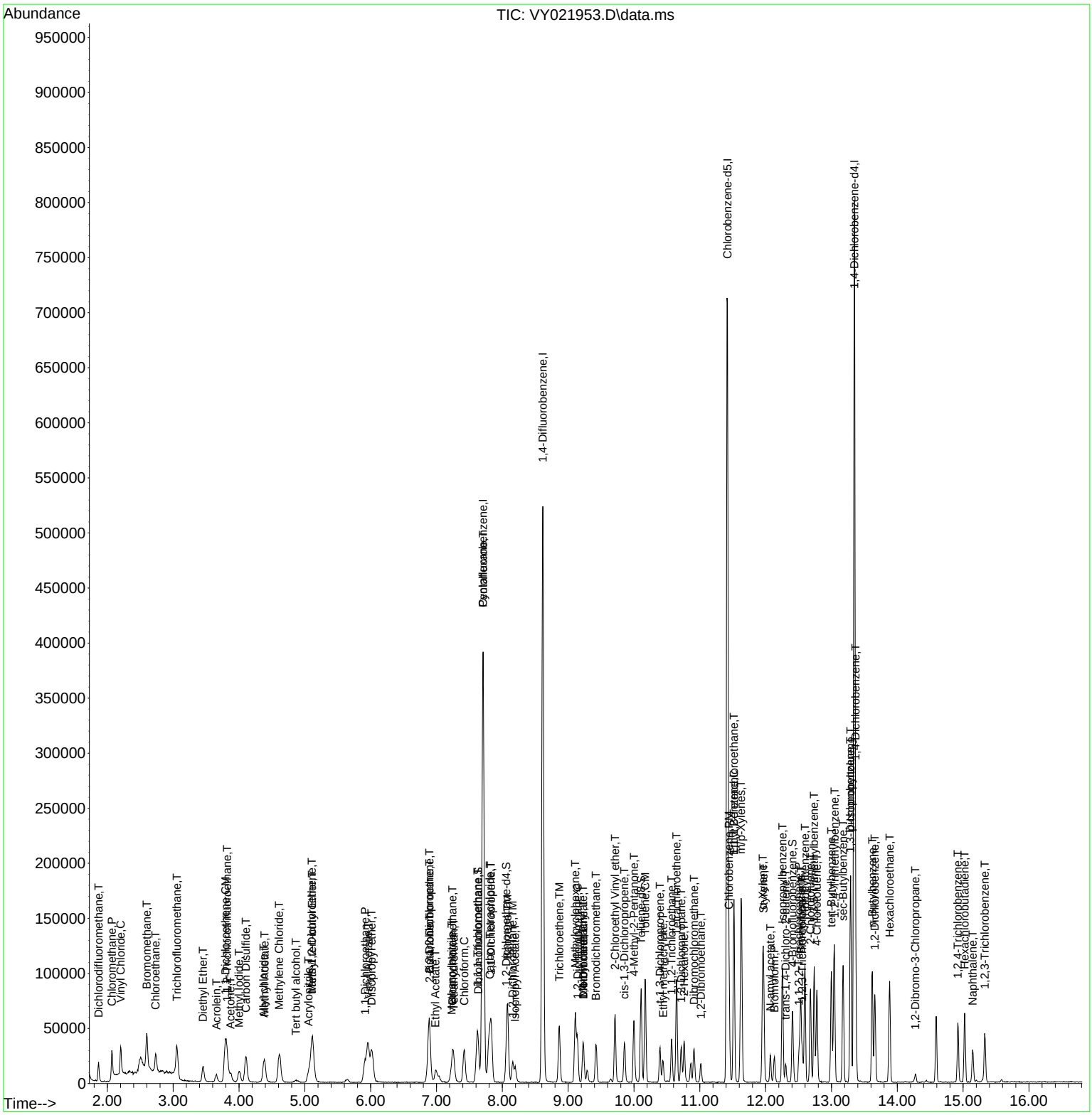
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	292096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	418471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	217358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27856	10.325	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.640%#		
35) Dibromofluoromethane	7.634	113	31560	10.335	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.660%#		
50) Toluene-d8	10.103	98	116480	10.118	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.240%#		
62) 4-Bromofluorobenzene	12.407	95	39704	10.244	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	27882	11.202	ug/l	95
3) Chloromethane	2.068	50	39169	11.052	ug/l	91
4) Vinyl Chloride	2.202	62	48475	11.131	ug/l	98
5) Bromomethane	2.598	94	40742	10.859	ug/l	98
6) Chloroethane	2.732	64	32122	10.830	ug/l	95
7) Trichlorofluoromethane	3.055	101	62819	10.939	ug/l	94
8) Diethyl Ether	3.452	74	15517	10.381	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	34542	11.088	ug/l	99
10) Methyl Iodide	4.000	142	36146	10.021	ug/l	99
11) Tert butyl alcohol	4.866	59	7087	47.846	ug/l	95
12) 1,1-Dichloroethene	3.787	96	31073	10.701	ug/l	94
13) Acrolein	3.647	56	13091	49.243	ug/l	96
14) Allyl chloride	4.378	41	35457	10.487	ug/l	97
15) Acrylonitrile	5.055	53	26314	48.088	ug/l	96
16) Acetone	3.872	43	24497	52.492	ug/l	99
17) Carbon Disulfide	4.104	76	101496	10.962	ug/l	96
18) Methyl Acetate	4.378	43	11687	9.273	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	62306	9.587	ug/l	96
20) Methylene Chloride	4.610	84	36539	10.710	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	33752	10.379	ug/l	97
22) Diisopropyl ether	6.012	45	75451	10.028	ug/l	94
23) Vinyl Acetate	5.957	43	199753	49.260	ug/l	99
24) 1,1-Dichloroethane	5.915	63	55067	10.558	ug/l	97
25) 2-Butanone	6.890	43	31349	50.973	ug/l	100
26) 2,2-Dichloropropane	6.884	77	48501	10.610	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	37281	10.253	ug/l	99
28) Bromochloromethane	7.238	49	21122	10.426	ug/l	99
29) Tetrahydrofuran	7.262	42	18883	47.274	ug/l	100
30) Chloroform	7.414	83	61088	10.559	ug/l	99
31) Cyclohexane	7.701	56	50083	11.229	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	55163	10.540	ug/l	97
36) 1,1-Dichloropropene	7.835	75	43496	10.604	ug/l	98
37) Ethyl Acetate	6.982	43	14895m	10.248	ug/l	
38) Carbon Tetrachloride	7.817	117	52079	10.625	ug/l	100
39) Methylcyclohexane	9.109	83	52625	10.194	ug/l	95
40) Benzene	8.079	78	133010	10.373	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	7906m	9.813	ug/l		
42) 1,2-Dichloroethane	8.152	62	33939	10.690	ug/l		99
43) Isopropyl Acetate	8.195	43	27087	9.574	ug/l		98
44) Trichloroethene	8.865	130	37414	10.534	ug/l		91
45) 1,2-Dichloropropane	9.140	63	29327	10.342	ug/l		98
46) Dibromomethane	9.231	93	17848	10.055	ug/l		98
47) Bromodichloromethane	9.420	83	46552	10.498	ug/l		97
48) Methyl methacrylate	9.219	41	12035	9.202	ug/l		97
49) 1,4-Dioxane	9.231	88	3781	199.843	ug/l	#	96
51) 4-Methyl-2-Pentanone	9.999	43	68951	46.490	ug/l		98
52) Toluene	10.170	92	84571	10.189	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	37699	9.911	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	45133	9.982	ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	24166	10.192	ug/l		98
56) Ethyl methacrylate	10.438	69	23924	8.823	ug/l		98
57) 1,3-Dichloropropane	10.719	76	38787	10.204	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.707	63	55900	42.164	ug/l		98
59) 2-Hexanone	10.761	43	44419	45.407	ug/l		97
60) Dibromochloromethane	10.914	129	32807	9.994	ug/l		99
61) 1,2-Dibromoethane	11.011	107	22427	10.019	ug/l		99
64) Tetrachloroethene	10.646	164	43205	10.944	ug/l		99
65) Chlorobenzene	11.444	112	96442	10.306	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	34237	10.392	ug/l		99
67) Ethyl Benzene	11.517	91	153977	10.058	ug/l		96
68) m/p-Xylenes	11.627	106	120544	19.789	ug/l		100
69) o-Xylene	11.956	106	53458	9.521	ug/l		98
70) Styrene	11.969	104	90382	9.588	ug/l		99
71) Bromoform	12.133	173	18480	9.648	ug/l	#	99
73) Isopropylbenzene	12.255	105	144167	9.928	ug/l		100
74) N-amyl acetate	12.072	43	23058	9.242	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	24413	9.971	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	19328m	10.092	ug/l		
77) Bromobenzene	12.529	156	36127	9.845	ug/l		97
78) n-propylbenzene	12.596	91	173723	10.045	ug/l		98
79) 2-Chlorotoluene	12.682	91	101855	10.127	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	119871	10.018	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7556	9.773	ug/l		98
82) 4-Chlorotoluene	12.779	91	108734	10.400	ug/l		100
83) tert-Butylbenzene	12.999	119	103541	9.649	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	118119	9.870	ug/l		100
85) sec-Butylbenzene	13.176	105	161907	10.311	ug/l		100
86) p-Isopropyltoluene	13.291	119	131120	9.834	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	77538	10.404	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	75043	10.167	ug/l		98
89) n-Butylbenzene	13.621	91	121297	10.177	ug/l		99
90) Hexachloroethane	13.877	117	30881	10.541	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	66159	10.178	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3955	10.153	ug/l		83
93) 1,2,4-Trichlorobenzene	14.919	180	34793	9.446	ug/l		98
94) Hexachlorobutadiene	15.023	225	23698	10.457	ug/l		98
95) Naphthalene	15.145	128	48366	7.904	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	29276	9.207	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

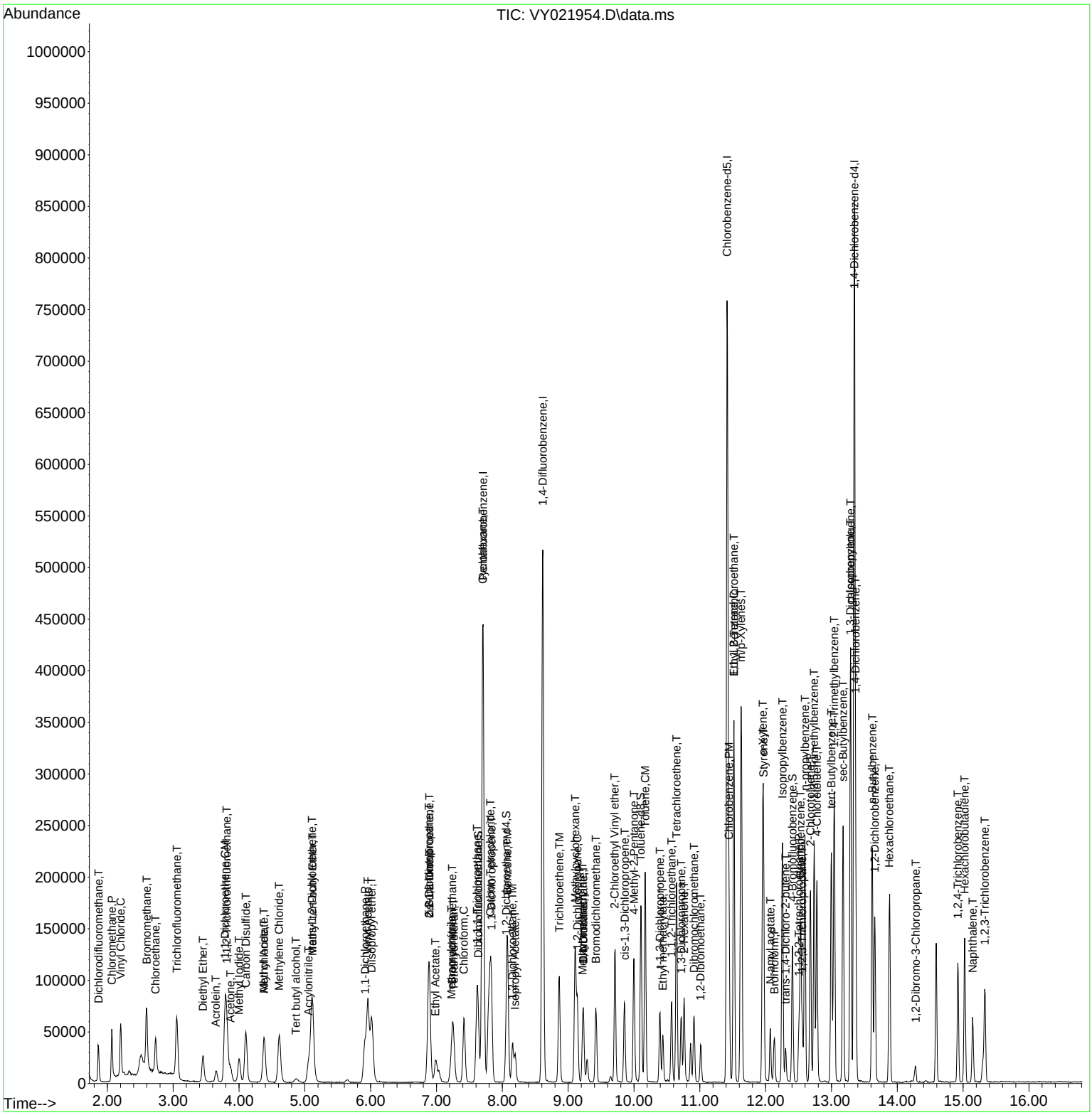
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	302781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	443014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55629	19.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.780%#		
35) Dibromofluoromethane	7.634	113	63419	20.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.000%#		
50) Toluene-d8	10.103	98	232431	19.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.900%#		
62) 4-Bromofluorobenzene	12.408	95	77034	19.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	49065	19.018	ug/l	94
3) Chloromethane	2.062	50	76990	20.957	ug/l	99
4) Vinyl Chloride	2.202	62	91757	20.326	ug/l	100
5) Bromomethane	2.586	94	81602	20.981	ug/l	95
6) Chloroethane	2.726	64	63501	20.654	ug/l	99
7) Trichlorofluoromethane	3.050	101	119529	20.079	ug/l	97
8) Diethyl Ether	3.452	74	30609	19.755	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	64172	19.872	ug/l	99
10) Methyl Iodide	4.001	142	73189	19.575	ug/l	100
11) Tert butyl alcohol	4.866	59	16584	108.012	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	58505	19.437	ug/l	97
13) Acrolein	3.653	56	30883	112.069	ug/l	98
14) Allyl chloride	4.379	41	67622	19.294	ug/l	99
15) Acrylonitrile	5.061	53	59926	105.648	ug/l	98
16) Acetone	3.873	43	40190	96.689	ug/l	94
17) Carbon Disulfide	4.098	76	189988	19.796	ug/l	95
18) Methyl Acetate	4.385	43	27988	21.423	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	133523	19.820	ug/l	98
20) Methylene Chloride	4.610	84	69571	19.673	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	64547	19.148	ug/l	92
22) Diisopropyl ether	6.012	45	159414	20.439	ug/l	96
23) Vinyl Acetate	5.958	43	424128	100.901	ug/l	100
24) 1,1-Dichloroethane	5.915	63	108156	20.006	ug/l	99
25) 2-Butanone	6.896	43	65464	102.688	ug/l	96
26) 2,2-Dichloropropane	6.878	77	92415	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73114	19.398	ug/l	97
28) Bromochloromethane	7.244	49	44154	21.027	ug/l	99
29) Tetrahydrofuran	7.262	42	43665	105.459	ug/l	99
30) Chloroform	7.421	83	117934	19.666	ug/l	97
31) Cyclohexane	7.701	56	89380	19.333	ug/l	91
32) 1,1,1-Trichloroethane	7.610	97	108468	19.993	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81459	19.127	ug/l	99
37) Ethyl Acetate	6.982	43	31319	20.755	ug/l	99
38) Carbon Tetrachloride	7.817	117	98308	19.318	ug/l	98
39) Methylcyclohexane	9.109	83	99570	18.578	ug/l	95
40) Benzene	8.079	78	259371	19.482	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	19946m	23.846	ug/l		
42) 1,2-Dichloroethane	8.158	62	67235	20.398	ug/l		100
43) Isopropyl Acetate	8.195	43	60204	20.495	ug/l	#	87
44) Trichloroethene	8.866	130	70896	19.226	ug/l		96
45) 1,2-Dichloropropane	9.140	63	57934	19.678	ug/l		98
46) Dibromomethane	9.225	93	36893	20.018	ug/l		97
47) Bromodichloromethane	9.420	83	89049	19.341	ug/l		99
48) Methyl methacrylate	9.219	41	28211	20.775	ug/l		97
49) 1,4-Dioxane	9.237	88	8497	432.566	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	159902	103.844	ug/l		99
52) Toluene	10.170	92	168035	19.499	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	76629	19.404	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	92726	19.753	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	50105	20.353	ug/l		99
56) Ethyl methacrylate	10.438	69	55703	19.786	ug/l		99
57) 1,3-Dichloropropane	10.713	76	77652	19.676	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	140435	102.027	ug/l		99
59) 2-Hexanone	10.762	43	104321	102.714	ug/l		98
60) Dibromochloromethane	10.908	129	67988	19.948	ug/l		99
61) 1,2-Dibromoethane	11.012	107	46699	20.093	ug/l		98
64) Tetrachloroethene	10.646	164	81915	19.600	ug/l		98
65) Chlorobenzene	11.438	112	186901	18.866	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	66586	19.091	ug/l		99
67) Ethyl Benzene	11.518	91	304501	18.789	ug/l		99
68) m/p-Xylenes	11.627	106	247677	38.407	ug/l		99
69) o-Xylene	11.956	106	112603	18.945	ug/l		100
70) Styrene	11.969	104	191106	19.149	ug/l		99
71) Bromoform	12.133	173	39690	19.573	ug/l	#	98
73) Isopropylbenzene	12.255	105	293481	18.570	ug/l		100
74) N-amyl acetate	12.072	43	52325	19.271	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52524	19.713	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	39530m	18.965	ug/l		
77) Bromobenzene	12.530	156	73838	18.490	ug/l		97
78) n-propylbenzene	12.597	91	357438	18.992	ug/l		99
79) 2-Chlorotoluene	12.676	91	206212	18.840	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	247372	18.997	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	16123	19.163	ug/l		96
82) 4-Chlorotoluene	12.773	91	214776	18.876	ug/l		100
83) tert-Butylbenzene	12.999	119	214149	18.337	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	248902	19.110	ug/l		99
85) sec-Butylbenzene	13.176	105	322522	18.873	ug/l		100
86) p-Isopropyltoluene	13.292	119	271440	18.706	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	150873	18.602	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	151864	18.905	ug/l		99
89) n-Butylbenzene	13.615	91	240816	18.566	ug/l		98
90) Hexachloroethane	13.877	117	58060	18.211	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	135650	19.175	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8864	20.910	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	74289	18.532	ug/l		99
94) Hexachlorobutadiene	15.023	225	45722	18.538	ug/l		98
95) Naphthalene	15.145	128	121454	18.238	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	64735	18.707	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

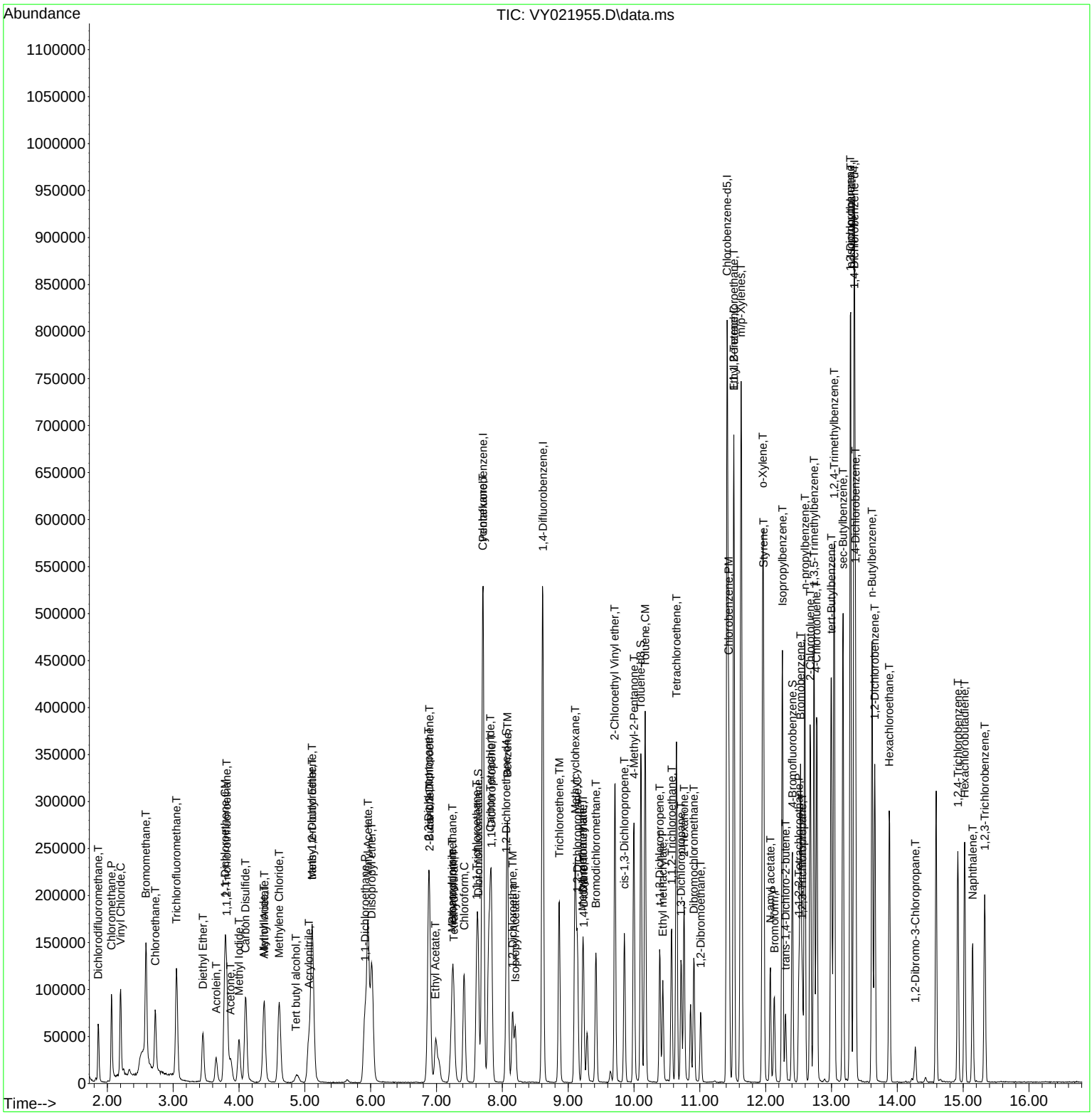
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	321453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	499724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	245926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149695	50.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.634	113	164867	49.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.880%			
50) Toluene-d8	10.103	98	637767	51.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	212936	50.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	126242	46.089	ug/l	100
3) Chloromethane	2.062	50	193657	49.653	ug/l	100
4) Vinyl Chloride	2.196	62	234756	48.981	ug/l	100
5) Bromomethane	2.592	94	191530	46.385	ug/l	100
6) Chloroethane	2.733	64	158887	48.677	ug/l	100
7) Trichlorofluoromethane	3.050	101	308523	48.817	ug/l	100
8) Diethyl Ether	3.452	74	79512	48.337	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	157297	45.881	ug/l	100
10) Methyl Iodide	4.001	142	202276	50.959	ug/l	100
11) Tert butyl alcohol	4.879	59	41968	257.462	ug/l	100
12) 1,1-Dichloroethene	3.787	96	151531	47.419	ug/l	100
13) Acrolein	3.653	56	68275	233.366	ug/l	100
14) Allyl chloride	4.379	41	178559	47.988	ug/l	100
15) Acrylonitrile	5.055	53	150181	249.387	ug/l	100
16) Acetone	3.879	43	101417	261.973	ug/l	100
17) Carbon Disulfide	4.098	76	479842	47.094	ug/l	100
18) Methyl Acetate	4.385	43	71756	51.735	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	364107	50.907	ug/l	100
20) Methylene Chloride	4.610	84	171472	45.671	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	171054	47.796	ug/l	100
22) Diisopropyl ether	6.019	45	414816	50.096	ug/l	100
23) Vinyl Acetate	5.958	43	1151100	257.942	ug/l	100
24) 1,1-Dichloroethane	5.915	63	274136	47.762	ug/l	100
25) 2-Butanone	6.896	43	169727	250.772	ug/l	100
26) 2,2-Dichloropropane	6.884	77	238816	47.472	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	196712	49.157	ug/l	100
28) Bromochloromethane	7.244	49	110399	49.520	ug/l	100
29) Tetrahydrofuran	7.262	42	117311	266.870	ug/l	100
30) Chloroform	7.421	83	307243	48.259	ug/l	100
31) Cyclohexane	7.701	56	227735	46.398	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	274062	47.581	ug/l	100
36) 1,1-Dichloropropene	7.835	75	212523	47.923	ug/l	100
37) Ethyl Acetate	6.982	43	80627	51.312	ug/l	100
38) Carbon Tetrachloride	7.817	117	253502	47.838	ug/l	100
39) Methylcyclohexane	9.109	83	274408	49.170	ug/l	100
40) Benzene	8.079	78	667899	48.179	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	45898	52.696	ug/l		100
42) 1,2-Dichloroethane	8.158	62	167612	48.835	ug/l		100
43) Isopropyl Acetate	8.195	43	155835	50.948	ug/l		100
44) Trichloroethene	8.860	130	183327	47.744	ug/l		100
45) 1,2-Dichloropropane	9.140	63	149687	48.827	ug/l		100
46) Dibromomethane	9.231	93	93536	48.740	ug/l		100
47) Bromodichloromethane	9.420	83	234964	49.010	ug/l		100
48) Methyl methacrylate	9.219	41	75057	53.082	ug/l		100
49) 1,4-Dioxane	9.238	88	20303	992.601	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	428635	267.326	ug/l		100
52) Toluene	10.170	92	446525	49.760	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	208479	50.698	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	241637	49.432	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	128082	49.965	ug/l		100
56) Ethyl methacrylate	10.439	69	157986	53.893	ug/l		100
57) 1,3-Dichloropropane	10.713	76	204196	49.688	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	401030	279.797	ug/l		100
59) 2-Hexanone	10.762	43	286755	271.141	ug/l		100
60) Dibromochloromethane	10.908	129	176120	49.624	ug/l		100
61) 1,2-Dibromoethane	11.012	107	120604	49.835	ug/l		100
64) Tetrachloroethene	10.646	164	208756	48.263	ug/l		100
65) Chlorobenzene	11.438	112	496647	48.437	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	177151	49.075	ug/l		100
67) Ethyl Benzene	11.518	91	841384	50.163	ug/l		100
68) m/p-Xylenes	11.627	106	673159	100.858	ug/l		100
69) o-Xylene	11.950	106	315731	51.325	ug/l		100
70) Styrene	11.969	104	535957	51.890	ug/l		100
71) Bromoform	12.133	173	105166	50.110	ug/l	#	100
73) Isopropylbenzene	12.255	105	817740	49.770	ug/l		100
74) N-amyl acetate	12.066	43	145415	51.512	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	134856	48.682	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	99679m	45.999	ug/l		
77) Bromobenzene	12.530	156	203522	49.021	ug/l		100
78) n-propylbenzene	12.591	91	977958	49.981	ug/l		100
79) 2-Chlorotoluene	12.676	91	560805	49.283	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	688578	50.863	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	43472	49.698	ug/l		100
82) 4-Chlorotoluene	12.773	91	585277	49.478	ug/l		100
83) tert-Butylbenzene	12.993	119	613293	50.513	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	684634	50.560	ug/l		100
85) sec-Butylbenzene	13.176	105	885790	49.857	ug/l		100
86) p-Isopropyltoluene	13.292	119	760829	50.431	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	405153	48.048	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	398336	47.697	ug/l		100
89) n-Butylbenzene	13.615	91	674346	50.008	ug/l		100
90) Hexachloroethane	13.877	117	156957	47.353	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	357028	48.544	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20698	46.964	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	202386	48.561	ug/l		100
94) Hexachlorobutadiene	15.023	225	117976	46.009	ug/l		100
95) Naphthalene	15.139	128	353130	51.007	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	173778	48.304	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

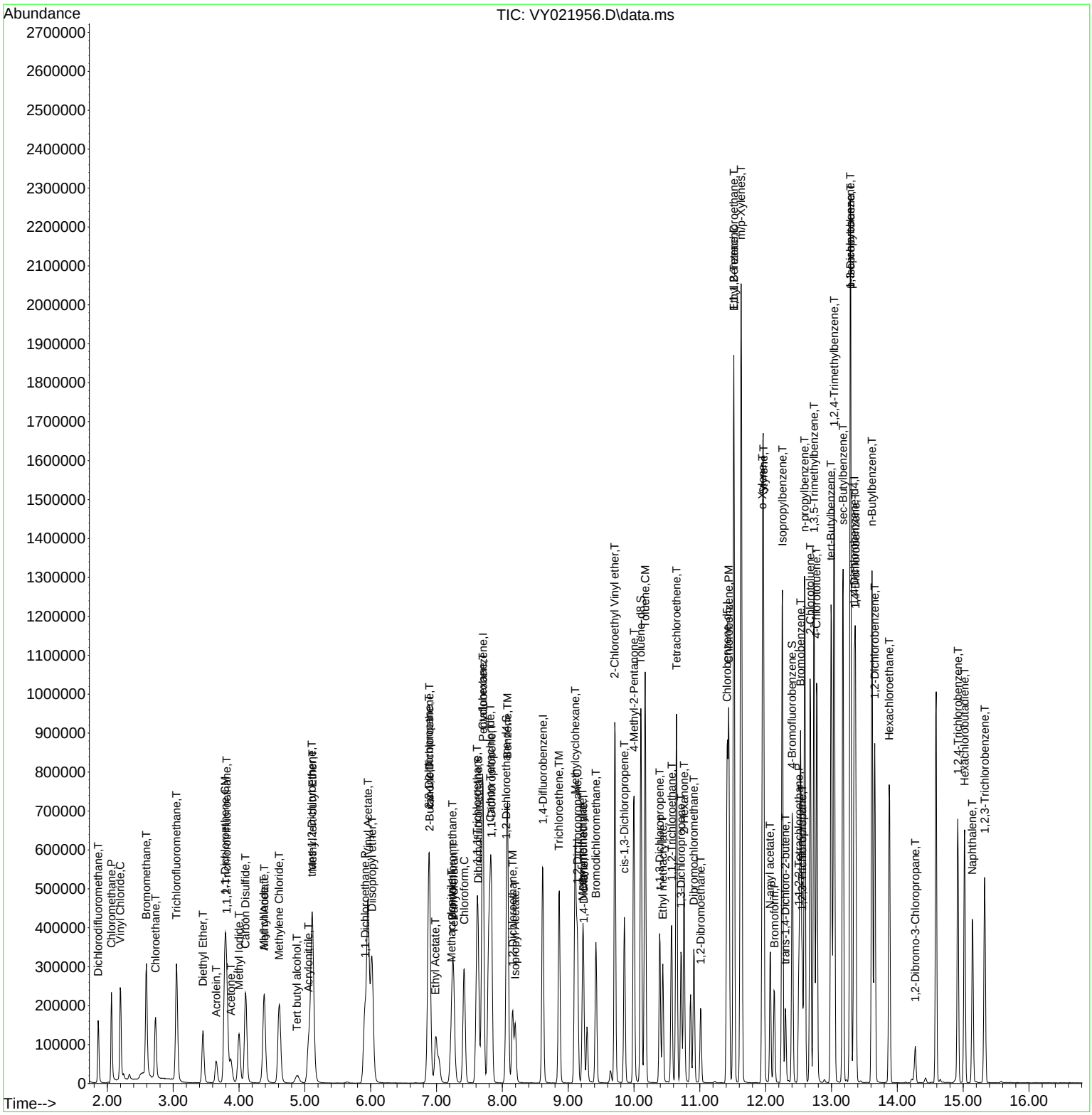
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	344392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	253936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	287743	90.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.900%#			
35) Dibromofluoromethane	7.634	113	329983	96.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.860%#			
50) Toluene-d8	10.103	98	1288287	99.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 199.720%#			
62) 4-Bromofluorobenzene	12.402	95	437911	100.832	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 201.660%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	280742	95.668	ug/l	99
3) Chloromethane	2.068	50	364659	87.270	ug/l	99
4) Vinyl Chloride	2.202	62	468044	91.152	ug/l	100
5) Bromomethane	2.586	94	381632	86.267	ug/l	98
6) Chloroethane	2.733	64	317008	90.651	ug/l	98
7) Trichlorofluoromethane	3.050	101	634632	93.728	ug/l	97
8) Diethyl Ether	3.452	74	169496	96.177	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	342220	93.171	ug/l	99
10) Methyl Iodide	4.001	142	448644	105.498	ug/l	100
11) Tert butyl alcohol	4.872	59	79446	454.915	ug/l	97
12) 1,1-Dichloroethene	3.787	96	335292	97.935	ug/l	98
13) Acrolein	3.647	56	137299	438.034	ug/l	97
14) Allyl chloride	4.379	41	395924	99.318	ug/l	99
15) Acrylonitrile	5.055	53	303243	470.017	ug/l	100
16) Acetone	3.873	43	198486	497.873	ug/l	92
17) Carbon Disulfide	4.104	76	1044296	95.665	ug/l	99
18) Methyl Acetate	4.385	43	142939	96.193	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	785760	102.542	ug/l	97
20) Methylene Chloride	4.610	84	356477	88.623	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	376278	98.137	ug/l	97
22) Diisopropyl ether	6.019	45	895700	100.965	ug/l	98
23) Vinyl Acetate	5.958	43	2455946	513.679	ug/l	99
24) 1,1-Dichloroethane	5.909	63	589137	95.806	ug/l	98
25) 2-Butanone	6.890	43	342128	471.826	ug/l	99
26) 2,2-Dichloropropane	6.884	77	530549	98.439	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	436196	101.743	ug/l	100
28) Bromochloromethane	7.244	49	221300	92.652	ug/l	97
29) Tetrahydrofuran	7.262	42	228438	485.059	ug/l	96
30) Chloroform	7.421	83	659805	96.733	ug/l	100
31) Cyclohexane	7.701	56	502812	95.618	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	595919	96.568	ug/l	99
36) 1,1-Dichloropropene	7.835	75	466424	101.471	ug/l	99
37) Ethyl Acetate	6.982	43	158846	97.530	ug/l	98
38) Carbon Tetrachloride	7.817	117	554665	100.983	ug/l	97
39) Methylcyclohexane	9.109	83	621199	107.388	ug/l	98
40) Benzene	8.079	78	1466182	102.038	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	84524	93.624	ug/l	#	89
42) 1,2-Dichloroethane	8.158	62	348314	97.908	ug/l		100
43) Isopropyl Acetate	8.195	43	319666	100.828	ug/l		98
44) Trichloroethene	8.866	130	401139	100.789	ug/l		99
45) 1,2-Dichloropropane	9.140	63	318648	100.279	ug/l		99
46) Dibromomethane	9.231	93	197509	99.293	ug/l		99
47) Bromodichloromethane	9.420	83	507797	102.188	ug/l		99
48) Methyl methacrylate	9.219	41	155528	106.117	ug/l		97
49) 1,4-Dioxane	9.231	88	43176	2036.490	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	859904	517.403	ug/l		99
52) Toluene	10.170	92	986553	106.068	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	452714	106.213	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	532092	105.017	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	267477	100.667	ug/l		99
56) Ethyl methacrylate	10.438	69	343556	113.068	ug/l		100
57) 1,3-Dichloropropane	10.713	76	432340	101.498	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	796991	536.469	ug/l		99
59) 2-Hexanone	10.762	43	573925	523.558	ug/l		99
60) Dibromochloromethane	10.908	129	380014	103.302	ug/l		99
61) 1,2-Dibromoethane	11.012	107	256079	102.087	ug/l		98
64) Tetrachloroethene	10.646	164	446995	98.761	ug/l		99
65) Chlorobenzene	11.438	112	1092542	101.831	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	384924	101.907	ug/l		99
67) Ethyl Benzene	11.518	91	1909638	108.806	ug/l		100
68) m/p-Xylenes	11.627	106	1528954	218.926	ug/l		98
69) o-Xylene	11.956	106	716652	111.334	ug/l		99
70) Styrene	11.969	104	1220634	112.940	ug/l		99
71) Bromoform	12.133	173	226072	102.945	ug/l	#	98
73) Isopropylbenzene	12.255	105	1848306	108.944	ug/l		99
74) N-amyl acetate	12.066	43	312577	107.236	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	281769	98.509	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	207056m	92.537	ug/l		
77) Bromobenzene	12.530	156	451913	105.415	ug/l		98
78) n-propylbenzene	12.597	91	2162620	107.039	ug/l		99
79) 2-Chlorotoluene	12.676	91	1236457	105.231	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1512269	108.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	91833	101.673	ug/l		97
82) 4-Chlorotoluene	12.773	91	1280377	104.825	ug/l		99
83) tert-Butylbenzene	12.993	119	1383923	110.389	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1537175	109.940	ug/l		99
85) sec-Butylbenzene	13.176	105	1979821	107.920	ug/l		100
86) p-Isopropyltoluene	13.292	119	1719877	110.405	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	908577	104.350	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	880300	102.083	ug/l		99
89) n-Butylbenzene	13.615	91	1511238	108.535	ug/l		99
90) Hexachloroethane	13.877	117	349860	102.221	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	780600	102.789	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43006	94.503	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	492590	114.465	ug/l		100
94) Hexachlorobutadiene	15.023	225	281711	106.397	ug/l		99
95) Naphthalene	15.145	128	858079	120.033	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	420859	113.294	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

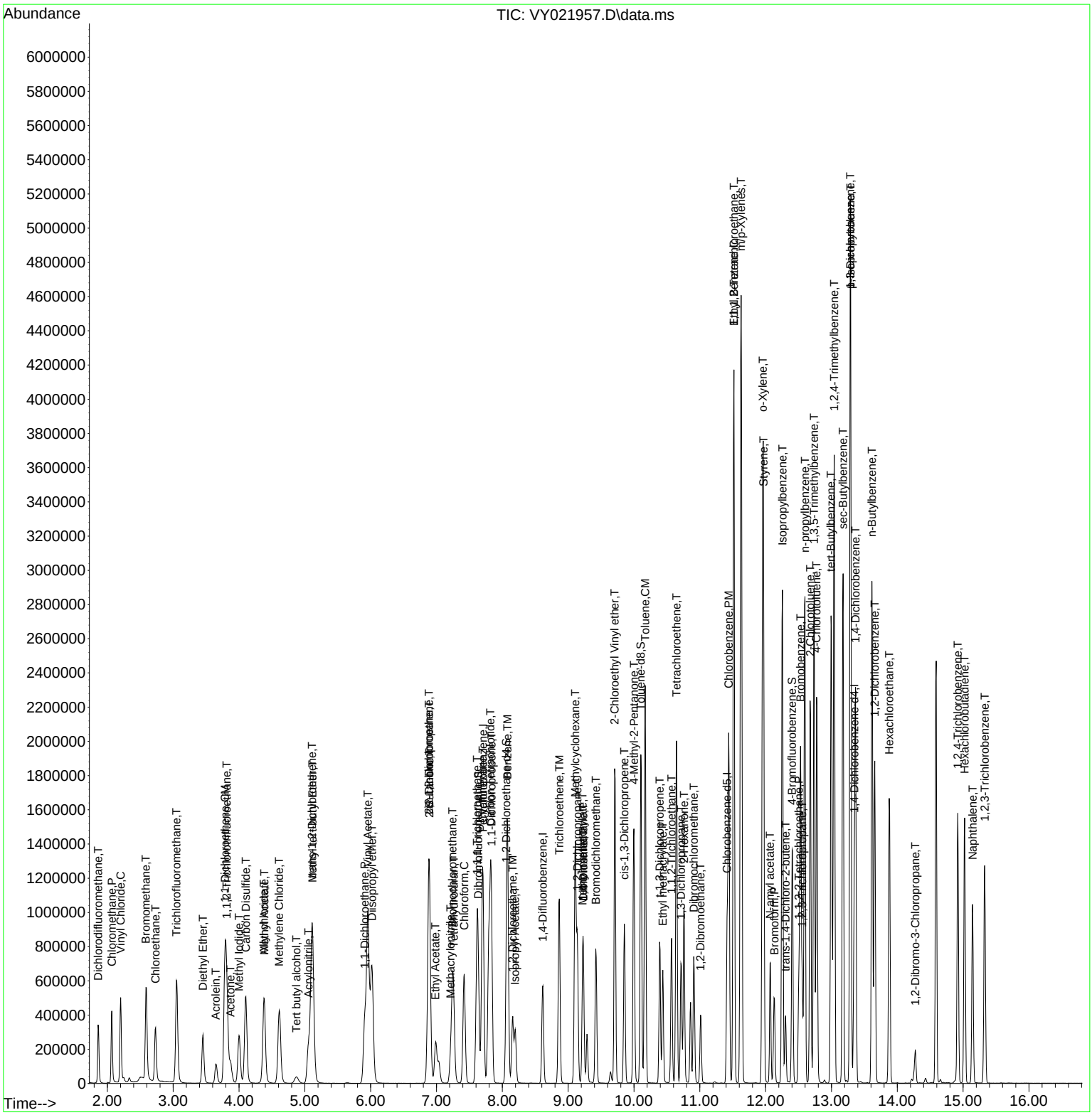
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	355777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	536479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	502246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	256233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	455676	138.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 277.320%#			
35) Dibromofluoromethane	7.634	113	525659	148.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.620%#			
50) Toluene-d8	10.103	98	2029557	151.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 303.780%#			
62) 4-Bromofluorobenzene	12.402	95	688061	152.965	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	431961	142.488	ug/l	99
3) Chloromethane	2.068	50	531232	123.066	ug/l	98
4) Vinyl Chloride	2.202	62	690264	130.127	ug/l	99
5) Bromomethane	2.580	94	587136	128.474	ug/l	100
6) Chloroethane	2.727	64	457467	126.630	ug/l	100
7) Trichlorofluoromethane	3.050	101	968200	138.417	ug/l	98
8) Diethyl Ether	3.452	74	256284	140.770	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	520779	137.247	ug/l	99
10) Methyl Iodide	4.001	142	670370	152.592	ug/l	99
11) Tert butyl alcohol	4.866	59	132009	731.707	ug/l	98
12) 1,1-Dichloroethene	3.781	96	516411	146.010	ug/l	99
13) Acrolein	3.647	56	224148	692.230	ug/l	97
14) Allyl chloride	4.379	41	595004	144.481	ug/l	99
15) Acrylonitrile	5.055	53	471687	707.705	ug/l	99
16) Acetone	3.873	43	303420	747.934	ug/l	93
17) Carbon Disulfide	4.098	76	1556842	138.054	ug/l	99
18) Methyl Acetate	4.379	43	233664	152.216	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	1210655	152.936	ug/l	98
20) Methylene Chloride	4.610	84	526924	126.805	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	568174	143.443	ug/l	96
22) Diisopropyl ether	6.019	45	1331652	145.303	ug/l	99
23) Vinyl Acetate	5.958	43	3706076	750.348	ug/l	99
24) 1,1-Dichloroethane	5.909	63	881143	138.707	ug/l	98
25) 2-Butanone	6.890	43	533125	711.701	ug/l	98
26) 2,2-Dichloropropane	6.884	77	797978	143.320	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	663284	149.760	ug/l	99
28) Bromochloromethane	7.244	49	335269	135.876	ug/l	93
29) Tetrahydrofuran	7.262	42	357581	734.980	ug/l	95
30) Chloroform	7.421	83	986793	140.042	ug/l	98
31) Cyclohexane	7.701	56	759349	139.782	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	903077	141.659	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702870	147.634	ug/l	99
37) Ethyl Acetate	6.982	43	243196	144.169	ug/l	98
38) Carbon Tetrachloride	7.817	117	841409	147.902	ug/l	99
39) Methylcyclohexane	9.103	83	947546	158.153	ug/l	97
40) Benzene	8.079	78	2184995	146.818	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.214	41	135364	144.765	ug/l	#	90
42) 1,2-Dichloroethane	8.152	62	522909	141.914	ug/l		100
43) Isopropyl Acetate	8.195	43	495904	151.020	ug/l	#	85
44) Trichloroethene	8.866	130	603635	146.435	ug/l		99
45) 1,2-Dichloropropane	9.140	63	473210	143.782	ug/l		100
46) Dibromomethane	9.225	93	300473	145.844	ug/l		99
47) Bromodichloromethane	9.420	83	758771	147.426	ug/l		100
48) Methyl methacrylate	9.219	41	243168	160.190	ug/l		97
49) 1,4-Dioxane	9.225	88	66528	3029.677	ug/l		99
51) 4-Methyl-2-Pentanone	9.994	43	1331129	773.306	ug/l		99
52) Toluene	10.170	92	1470005	152.593	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	683926	154.922	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	804716	153.345	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	405335	147.287	ug/l		99
56) Ethyl methacrylate	10.439	69	530305	168.507	ug/l		99
57) 1,3-Dichloropropane	10.713	76	650614	147.471	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1292633	840.076	ug/l		98
59) 2-Hexanone	10.756	43	896663	789.752	ug/l		99
60) Dibromochloromethane	10.908	129	574423	150.763	ug/l		100
61) 1,2-Dibromoethane	11.012	107	386950	148.938	ug/l		100
64) Tetrachloroethene	10.646	164	648295	136.828	ug/l		99
65) Chlorobenzene	11.438	112	1644879	146.452	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	584913	147.925	ug/l		100
67) Ethyl Benzene	11.518	91	2859582	155.641	ug/l		99
68) m/p-Xylenes	11.627	106	2270756	310.594	ug/l		99
69) o-Xylene	11.950	106	1079036	160.131	ug/l		99
70) Styrene	11.969	104	1821333	160.979	ug/l		100
71) Bromoform	12.127	173	345783	150.413	ug/l	#	99
73) Isopropylbenzene	12.255	105	2766822	161.622	ug/l		99
74) N-amyl acetate	12.066	43	481095	163.570	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	428838	148.581	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	304860m	135.026	ug/l		
77) Bromobenzene	12.530	156	677176	156.545	ug/l		98
78) n-propylbenzene	12.591	91	3191904	156.567	ug/l		99
79) 2-Chlorotoluene	12.676	91	1838218	155.043	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	2227887	157.948	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	138838	152.337	ug/l		98
82) 4-Chlorotoluene	12.774	91	1879346	152.484	ug/l		99
83) tert-Butylbenzene	12.993	119	2076003	164.108	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	2263509	160.437	ug/l		100
85) sec-Butylbenzene	13.176	105	2910397	157.224	ug/l		99
86) p-Isopropyltoluene	13.292	119	2552924	162.413	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	1339029	152.409	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	1293200	148.621	ug/l		98
89) n-Butylbenzene	13.615	91	2244063	159.720	ug/l		99
90) Hexachloroethane	13.877	117	520392	150.683	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	1156637	150.940	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66731	145.323	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	737198	169.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	417808	156.384	ug/l		99
95) Naphthalene	15.145	128	1336140	185.231	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	634152	169.182	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

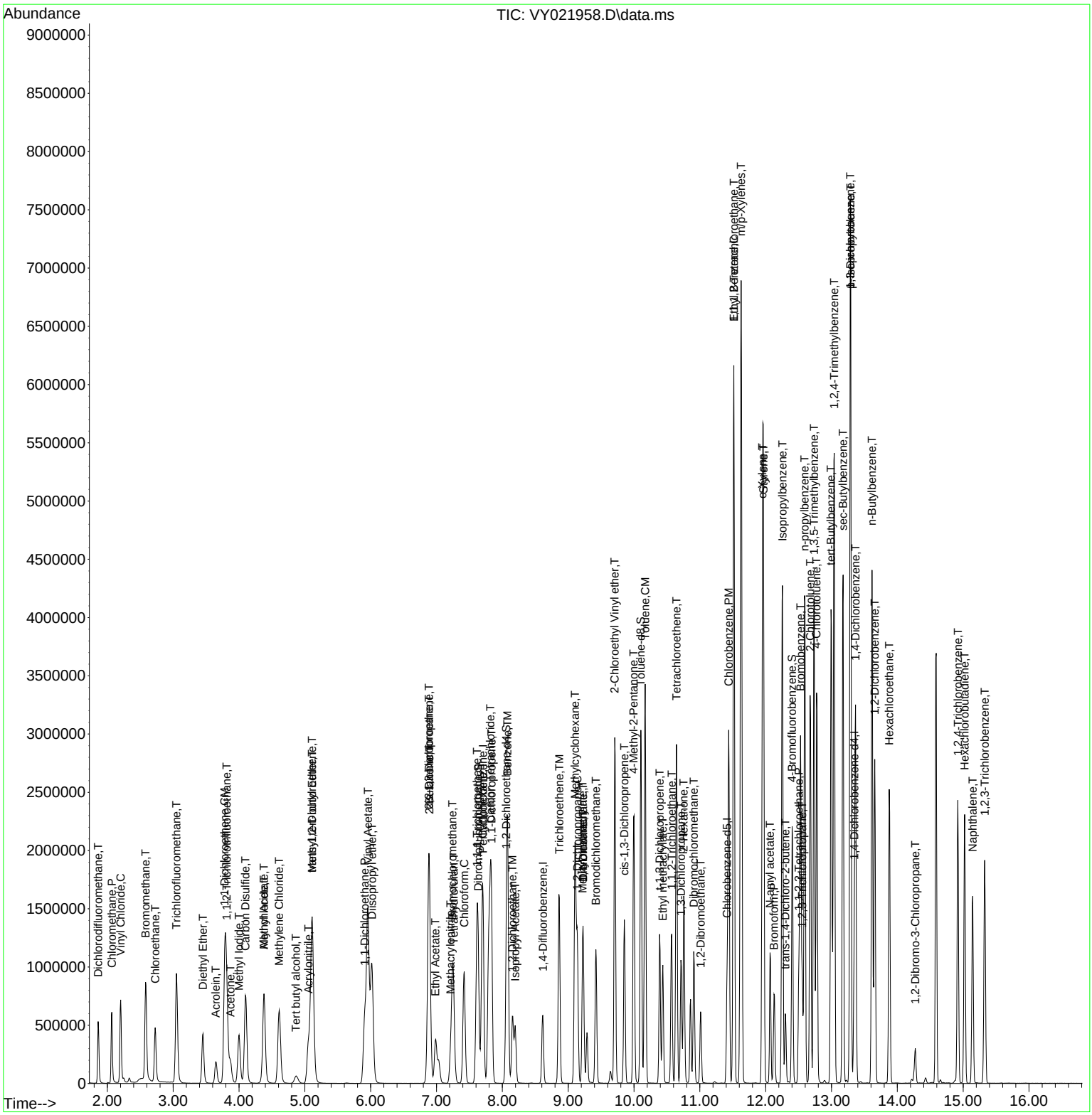
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Raw Data: **VN086478.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.536		-9.61	20
Chloromethane	0.861	0.805	0.1	-6.5	20
Vinyl Chloride	0.822	0.759		-7.66	20
Bromomethane	0.370	0.461		24.59	20
Chloroethane	0.550	0.523		-4.91	20
Trichlorofluoromethane	0.911	0.869		-4.61	20
1,1,2-Trichlorotrifluoroethane	0.551	0.537		-2.54	20
1,1-Dichloroethene	0.588	0.557		-5.27	20
Acetone	0.290	0.278		-4.14	20
Carbon Disulfide	1.762	1.533		-13	20
Methyl tert-butyl Ether	2.163	2.360		9.11	20
Methyl Acetate	0.870	0.830		-4.6	20
Methylene Chloride	0.670	0.729		8.81	20
trans-1,2-Dichloroethene	0.615	0.632		2.76	20
1,1-Dichloroethane	1.201	1.259	0.1	4.83	20
Cyclohexane	1.175	0.999		-14.98	20
2-Butanone	0.451	0.469		3.99	20
Carbon Tetrachloride	0.441	0.442		0.23	20
cis-1,2-Dichloroethene	0.764	0.829		8.51	20
Bromochloromethane	0.509	0.533		4.72	20
Chloroform	1.180	1.306		10.68	20
1,1,1-Trichloroethane	1.009	1.049		3.96	20
Methylcyclohexane	0.551	0.492		-10.71	20
Benzene	1.485	1.541		3.77	20
1,2-Dichloroethane	0.474	0.533		12.45	20
Trichloroethene	0.352	0.372		5.68	20
1,2-Dichloropropane	0.364	0.382		4.95	20
Bromodichloromethane	0.500	0.559		11.8	20
4-Methyl-2-Pentanone	0.500	0.527		5.4	20
Toluene	0.927	0.979		5.61	20
t-1,3-Dichloropropene	0.558	0.627		12.37	20
cis-1,3-Dichloropropene	0.613	0.648		5.71	20
1,1,2-Trichloroethane	0.333	0.382		14.72	20
2-Hexanone	0.371	0.388		4.58	20
Dibromochloromethane	0.366	0.426		16.39	20
1,2-Dibromoethane	0.336	0.394		17.26	20
Tetrachloroethene	0.385	0.386		0.26	20
Chlorobenzene	1.116	1.173	0.3	5.11	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.999		-0.75	20
m/p-Xylenes	0.754	0.772		2.39	20
o-Xylene	0.746	0.767		2.82	20
Styrene	1.243	1.334		7.32	20
Bromoform	0.277	0.312	0.1	12.64	20
Isopropylbenzene	4.090	3.762		-8.02	20
1,1,2,2-Tetrachloroethane	1.176	1.187	0.3	0.94	20
1,3-Dichlorobenzene	1.704	1.787		4.87	20
1,4-Dichlorobenzene	1.716	1.810		5.48	20
1,2-Dichlorobenzene	1.652	1.755		6.24	20
1,2-Dibromo-3-Chloropropane	0.237	0.233		-1.69	20
1,2,4-Trichlorobenzene	0.791	0.848		7.21	20
1,2,3-Trichlorobenzene	0.749	0.800		6.81	20
1,2-Dichloroethane-d4	0.725	0.817		12.69	20
Dibromofluoromethane	0.232	0.264		13.79	20
Toluene-d8	1.240	1.280		3.23	20
4-Bromofluorobenzene	0.452	0.478		5.75	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_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	154484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126143	56.310	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.620%			
35) Dibromofluoromethane	8.165	113	78358	56.788	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.580%			
50) Toluene-d8	10.565	98	380448	51.589	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.180%			
62) 4-Bromofluorobenzene	12.847	95	142048	52.810	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	82797	45.212	ug/l	97
3) Chloromethane	2.359	50	124341	46.718	ug/l	97
4) Vinyl Chloride	2.512	62	117200	46.145	ug/l	99
5) Bromomethane	2.953	94	71282	62.395	ug/l	99
6) Chloroethane	3.118	64	80740	47.499	ug/l	99
7) Trichlorofluoromethane	3.495	101	134221	47.709	ug/l	98
8) Diethyl Ether	3.953	74	64966	52.896	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	83015	48.778	ug/l	99
10) Methyl Iodide	4.589	142	114063	60.961	ug/l	100
11) Tert butyl alcohol	5.518	59	108474	265.389	ug/l	99
12) 1,1-Dichloroethene	4.342	96	86114	47.361	ug/l	98
13) Acrolein	4.177	56	68891	368.613	ug/l	96
14) Allyl chloride	5.024	41	142017	43.937	ug/l	94
15) Acrylonitrile	5.718	53	270801	268.011	ug/l	100
16) Acetone	4.424	43	215081	278.344	ug/l	99
17) Carbon Disulfide	4.712	76	236748	43.485	ug/l	98
18) Methyl Acetate	5.018	43	128186	47.670	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	364510	54.536	ug/l	99
20) Methylene Chloride	5.271	84	112578	54.360	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	97661	51.375	ug/l	97
22) Diisopropyl ether	6.671	45	363854	51.747	ug/l	98
23) Vinyl Acetate	6.600	43	1330427	270.668	ug/l	99
24) 1,1-Dichloroethane	6.571	63	194515	52.430	ug/l	100
25) 2-Butanone	7.477	43	362574	260.025	ug/l	98
26) 2,2-Dichloropropane	7.488	77	165135	49.713	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	128100	54.294	ug/l	95
28) Bromochloromethane	7.812	49	82364	52.359	ug/l	93
29) Tetrahydrofuran	7.835	42	240446	257.870	ug/l	97
30) Chloroform	7.965	83	201773	55.364	ug/l	98
31) Cyclohexane	8.253	56	154302	42.503	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	161979	51.955	ug/l	98
36) 1,1-Dichloropropene	8.371	75	132456	48.061	ug/l	99
37) Ethyl Acetate	7.559	43	144768	49.894	ug/l	100
38) Carbon Tetrachloride	8.359	117	131483	50.096	ug/l	97
39) Methylcyclohexane	9.600	83	146265	44.650	ug/l	99
40) Benzene	8.600	78	458081	51.877	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	87486	52.024	ug/l		98
42) 1,2-Dichloroethane	8.665	62	158498	56.287	ug/l		99
43) Isopropyl Acetate	8.682	43	281615	54.566	ug/l		100
44) Trichloroethene	9.347	130	110489	52.792	ug/l		97
45) 1,2-Dichloropropane	9.618	63	113518	52.519	ug/l		100
46) Dibromomethane	9.706	93	80677	58.582	ug/l		97
47) Bromodichloromethane	9.882	83	166167	55.865	ug/l		98
48) Methyl methacrylate	9.677	41	126557	49.669	ug/l		96
49) 1,4-Dioxane	9.694	88	46836	1080.631	ug/l		96
51) 4-Methyl-2-Pentanone	10.441	43	783175	263.592	ug/l		98
52) Toluene	10.629	92	290954	52.807	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	186288	56.106	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	192540	52.796	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	113496	57.253	ug/l		95
56) Ethyl methacrylate	10.871	69	196399	53.899	ug/l		98
57) 1,3-Dichloropropane	11.159	76	197019	56.016	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	412328	238.408	ug/l		98
59) 2-Hexanone	11.194	43	576127	261.423	ug/l		99
60) Dibromochloromethane	11.359	129	126605	58.161	ug/l		98
61) 1,2-Dibromoethane	11.465	107	117011	58.498	ug/l		100
64) Tetrachloroethene	11.100	164	106562	50.118	ug/l		99
65) Chlorobenzene	11.888	112	324322	52.576	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	110992	54.541	ug/l		99
67) Ethyl Benzene	11.959	91	552537	49.637	ug/l		99
68) m/p-Xylenes	12.070	106	426898	102.350	ug/l		98
69) o-Xylene	12.394	106	211945	51.383	ug/l		99
70) Styrene	12.406	104	368683	53.644	ug/l		99
71) Bromoform	12.576	173	86154	56.230	ug/l	#	98
73) Isopropylbenzene	12.694	105	503533	45.987	ug/l		99
74) N-amyl acetate	12.488	43	248033	45.503	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	158899	50.472	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	152035m	48.132	ug/l		
77) Bromobenzene	12.976	156	128740	53.065	ug/l		93
78) n-propylbenzene	13.035	91	597398	46.301	ug/l		100
79) 2-Chlorotoluene	13.123	91	388583	48.130	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	426330	47.572	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	68858	52.354	ug/l		87
82) 4-Chlorotoluene	13.217	91	394754	49.221	ug/l		99
83) tert-Butylbenzene	13.435	119	353792	45.561	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	445744	48.864	ug/l		99
85) sec-Butylbenzene	13.612	105	493958	45.861	ug/l		100
86) p-Isopropyltoluene	13.723	119	425158	47.890	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	239188	52.446	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	242338	52.755	ug/l		98
89) n-Butylbenzene	14.053	91	366963	46.633	ug/l		99
90) Hexachloroethane	14.329	117	69887	46.800	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	234928	53.131	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31129	49.038	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	113531	53.621	ug/l		99
94) Hexachlorobutadiene	15.494	225	36952	46.233	ug/l		100
95) Naphthalene	15.635	128	385090	51.308	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	107122	53.440	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

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

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

Sample Results: **VN086478.D**

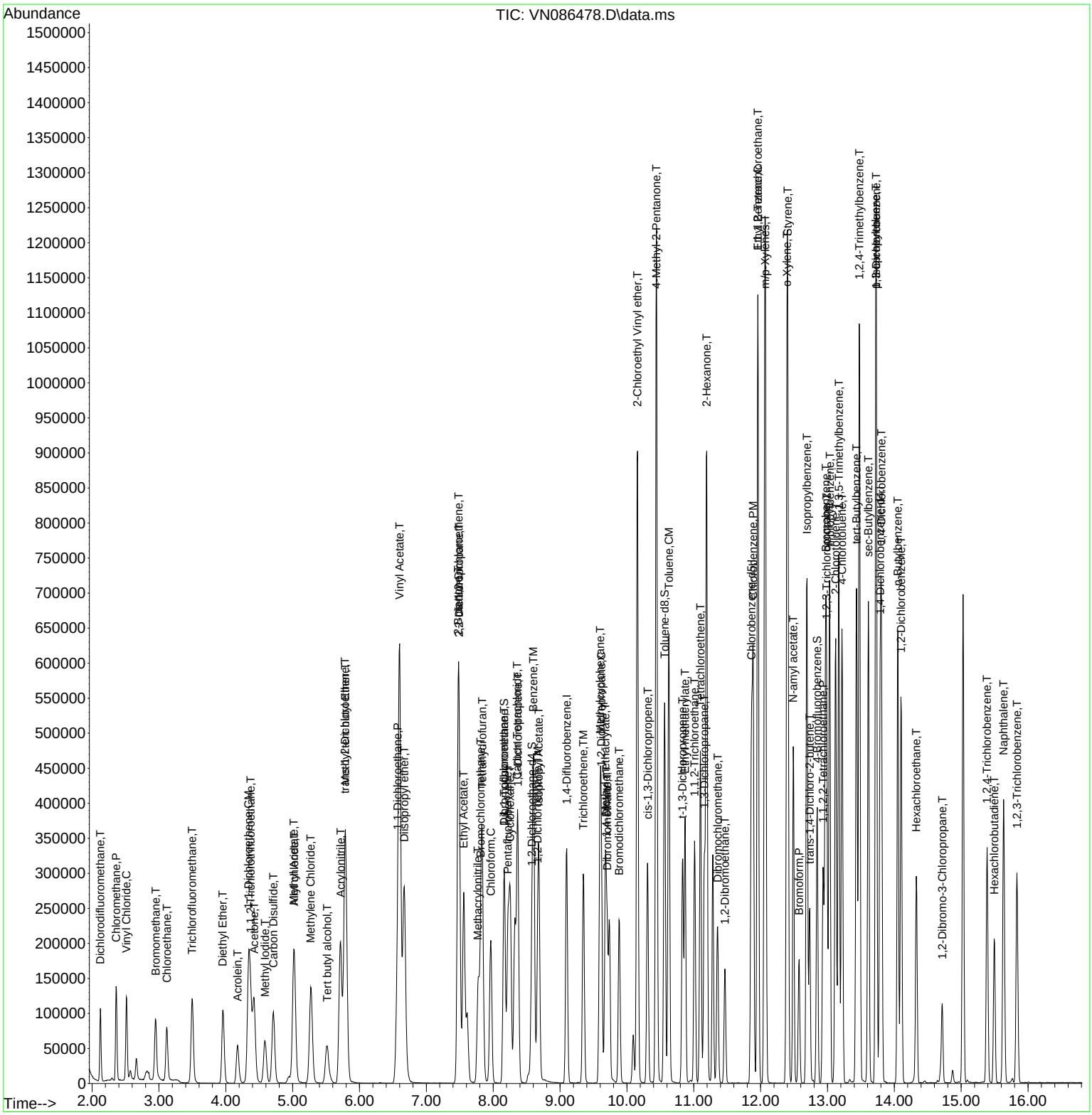
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Sample Results: **VN086478.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	69	0.00
2	T	Dichlorodifluoromethane	0.593	0.536	9.6	63	0.00
3	P	Chloromethane	0.861	0.805	6.5	74	0.00
4	C	Vinyl Chloride	0.822	0.759	7.7#	66	0.00
5	T	Bromomethane	0.370	0.461	-24.6	90	0.00
6	T	Chloroethane	0.550	0.523	4.9	72	0.00
7	T	Trichlorofluoromethane	0.911	0.869	4.6	70	0.00
8	T	Diethyl Ether	0.398	0.421	-5.8	78	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.551	0.537	2.5	71	0.00
10	T	Methyl Iodide	0.606	0.738	-21.8	85	0.00
11	T	Tert butyl alcohol	0.132	0.140	-6.1	78	0.00
12	CM	1,1-Dichloroethene	0.588	0.557	5.3#	70	0.00
13	T	Acrolein	0.075	0.089	-18.7	101	0.00
14	T	Allyl chloride	1.046	0.919	12.1	68	0.00
15	T	Acrylonitrile	0.327	0.351	-7.3	76	0.00
16	T	Acetone	0.290	0.278	4.1	77	0.00
17	T	Carbon Disulfide	1.762	1.533	13.0	68	0.00
18	T	Methyl Acetate	0.870	0.830	4.6	73	0.00
19	T	Methyl tert-butyl Ether	2.163	2.360	-9.1	81	0.00
20	T	Methylene Chloride	0.670	0.729	-8.8	81	0.00
21	T	trans-1,2-Dichloroethene	0.615	0.632	-2.8	76	0.00
22	T	Diisopropyl ether	2.276	2.355	-3.5	77	0.00
23	T	Vinyl Acetate	1.591	1.722	-8.2	80	0.00
24	P	1,1-Dichloroethane	1.201	1.259	-4.8	77	0.00
25	T	2-Butanone	0.451	0.469	-4.0	76	0.00
26	T	2,2-Dichloropropane	1.075	1.069	0.6	75	0.00
27	T	cis-1,2-Dichloroethene	0.764	0.829	-8.5	80	0.00
28	T	Bromochloromethane	0.509	0.533	-4.7	74	0.00
29	T	Tetrahydrofuran	0.302	0.311	-3.0	77	0.00
30	C	Chloroform	1.180	1.306	-10.7#	82	0.00
31	T	Cyclohexane	1.175	0.999	15.0	65	0.00
32	T	1,1,1-Trichloroethane	1.009	1.049	-4.0	76	0.00
33	S	1,2-Dichloroethane-d4	0.725	0.817	-12.7	78	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
35	S	Dibromofluoromethane	0.232	0.264	-13.8	88	0.00
36	T	1,1-Dichloropropene	0.463	0.446	3.7	72	0.00
37	T	Ethyl Acetate	0.488	0.487	0.2	78	0.00
38	T	Carbon Tetrachloride	0.441	0.442	-0.2	75	0.00
39	T	Methylcyclohexane	0.551	0.492	10.7	67	0.00
40	TM	Benzene	1.485	1.541	-3.8	79	0.00
41	T	Methacrylonitrile	0.283	0.294	-3.9	80	0.00
42	TM	1,2-Dichloroethane	0.474	0.533	-12.4	86	0.00
43	T	Isopropyl Acetate	1.177	0.947	19.5	79	0.00
44	TM	Trichloroethene	0.352	0.372	-5.7	79	0.00
45	C	1,2-Dichloropropane	0.364	0.382	-4.9#	79	0.00
46	T	Dibromomethane	0.232	0.271	-16.8	86	0.00
47	T	Bromodichloromethane	0.500	0.559	-11.8	84	0.00
48	T	Methyl methacrylate	0.429	0.426	0.7	77	0.00

Sample Results: **VN086478.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	0.007	0.008	-14.3	87	0.00
50	S	Toluene-d8	1.240	1.280	-3.2	73	0.00
51	T	4-Methyl-2-Pentanone	0.500	0.527	-5.4	78	0.00
52	CM	Toluene	0.927	0.979	-5.6#	79	0.00
53	T	t-1,3-Dichloropropene	0.558	0.627	-12.4	82	0.00
54	T	cis-1,3-Dichloropropene	0.613	0.648	-5.7	81	0.00
55	T	1,1,2-Trichloroethane	0.333	0.382	-14.7	86	0.00
56	T	Ethyl methacrylate	0.613	0.661	-7.8	82	0.00
57	T	1,3-Dichloropropane	0.592	0.663	-12.0	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.291	0.277	4.8	69	0.00
59	T	2-Hexanone	0.371	0.388	-4.6	78	0.00
60	T	Dibromochloromethane	0.366	0.426	-16.4	87	0.00
61	T	1,2-Dibromoethane	0.336	0.394	-17.3	87	0.00
62	S	4-Bromofluorobenzene	0.452	0.478	-5.8	75	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
64	T	Tetrachloroethene	0.385	0.386	-0.3	78	0.00
65	PM	Chlorobenzene	1.116	1.173	-5.1	84	0.00
66	T	1,1,1,2-Tetrachloroethane	0.368	0.402	-9.2	87	0.00
67	C	Ethyl Benzene	2.014	1.999	0.7#	78	0.00
68	T	m/p-Xylenes	0.754	0.772	-2.4	80	0.00
69	T	o-Xylene	0.746	0.767	-2.8	81	0.00
70	T	Styrene	1.243	1.334	-7.3	82	0.00
71	P	Bromoform	0.277	0.312	-12.6	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73	T	Isopropylbenzene	4.090	3.762	8.0	78	0.00
74	T	N-amyl acetate	2.036	1.853	9.0	80	0.00
75	P	1,1,2,2-Tetrachloroethane	1.176	1.187	-0.9	88	0.00
76	T	1,2,3-Trichloropropane	1.180	1.136	3.7	84	0.00
77	T	Bromobenzene	0.906	0.962	-6.2	87	0.00
78	T	n-propylbenzene	4.820	4.463	7.4	77	0.00
79	T	2-Chlorotoluene	3.016	2.903	3.7	81	0.00
80	T	1,3,5-Trimethylbenzene	3.348	3.185	4.9	80	0.00
81	T	trans-1,4-Dichloro-2-butene	0.491	0.514	-4.7	86	0.00
82	T	4-Chlorotoluene	2.996	2.949	1.6	81	0.00
83	T	tert-Butylbenzene	2.901	2.643	8.9	78	0.00
84	T	1,2,4-Trimethylbenzene	3.408	3.330	2.3	81	0.00
85	T	sec-Butylbenzene	4.023	3.690	8.3	76	0.00
86	T	p-Isopropyltoluene	3.316	3.176	4.2	78	0.00
87	T	1,3-Dichlorobenzene	1.704	1.787	-4.9	86	0.00
88	T	1,4-Dichlorobenzene	1.716	1.810	-5.5	86	0.00
89	T	n-Butylbenzene	2.939	2.742	6.7	74	0.00
90	T	Hexachloroethane	0.558	0.522	6.5	78	0.00
91	T	1,2-Dichlorobenzene	1.652	1.755	-6.2	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.233	1.7	81	0.00
93	T	1,2,4-Trichlorobenzene	0.791	0.848	-7.2	85	0.00
94	T	Hexachlorobutadiene	0.299	0.276	7.7	76	0.00
95	T	Naphthalene	2.804	2.877	-2.6	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	0.749	0.800	-6.8	87	0.00

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

Sample Results: **VN086478.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	69	0.00
2	T	Dichlorodifluoromethane	50.000	45.212	9.6	63	0.00
3	P	Chloromethane	50.000	46.718	6.6	74	0.00
4	C	Vinyl Chloride	50.000	46.145	7.7#	66	0.00
5	T	Bromomethane	50.000	62.395	-24.8	90	0.00
6	T	Chloroethane	50.000	47.499	5.0	72	0.00
7	T	Trichlorofluoromethane	50.000	47.709	4.6	70	0.00
8	T	Diethyl Ether	50.000	52.896	-5.8	78	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.778	2.4	71	0.00
10	T	Methyl Iodide	50.000	60.961	-21.9	85	0.00
11	T	Tert butyl alcohol	250.000	265.389	-6.2	78	0.00
12	CM	1,1-Dichloroethene	50.000	47.361	5.3#	70	0.00
13	T	Acrolein	250.000	368.613	-47.4#	101	0.00
14	T	Allyl chloride	50.000	43.937	12.1	68	0.00
15	T	Acrylonitrile	250.000	268.011	-7.2	76	0.00
16	T	Acetone	250.000	278.344	-11.3	77	0.00
17	T	Carbon Disulfide	50.000	43.485	13.0	68	0.00
18	T	Methyl Acetate	50.000	47.670	4.7	73	0.00
19	T	Methyl tert-butyl Ether	50.000	54.536	-9.1	81	0.00
20	T	Methylene Chloride	50.000	54.360	-8.7	81	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.375	-2.8	76	0.00
22	T	Diisopropyl ether	50.000	51.747	-3.5	77	0.00
23	T	Vinyl Acetate	250.000	270.668	-8.3	80	0.00
24	P	1,1-Dichloroethane	50.000	52.430	-4.9	77	0.00
25	T	2-Butanone	250.000	260.025	-4.0	76	0.00
26	T	2,2-Dichloropropane	50.000	49.713	0.6	75	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.294	-8.6	80	0.00
28	T	Bromochloromethane	50.000	52.359	-4.7	74	0.00
29	T	Tetrahydrofuran	250.000	257.870	-3.1	77	0.00
30	C	Chloroform	50.000	55.364	-10.7#	82	0.00
31	T	Cyclohexane	50.000	42.503	15.0	65	0.00
32	T	1,1,1-Trichloroethane	50.000	51.955	-3.9	76	0.00
33	S	1,2-Dichloroethane-d4	50.000	56.310	-12.6	78	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	72	0.00
35	S	Dibromofluoromethane	50.000	56.788	-13.6	88	0.00
36	T	1,1-Dichloropropene	50.000	48.061	3.9	72	0.00
37	T	Ethyl Acetate	50.000	49.894	0.2	78	0.00
38	T	Carbon Tetrachloride	50.000	50.096	-0.2	75	0.00
39	T	Methylcyclohexane	50.000	44.650	10.7	67	0.00
40	TM	Benzene	50.000	51.877	-3.8	79	0.00
41	T	Methacrylonitrile	50.000	52.024	-4.0	80	0.00
42	TM	1,2-Dichloroethane	50.000	56.287	-12.6	86	0.00
43	T	Isopropyl Acetate	50.000	54.566	-9.1	79	0.00
44	TM	Trichloroethene	50.000	52.792	-5.6	79	0.00
45	C	1,2-Dichloropropane	50.000	52.519	-5.0#	79	0.00
46	T	Dibromomethane	50.000	58.582	-17.2	86	0.00
47	T	Bromodichloromethane	50.000	55.865	-11.7	84	0.00
48	T	Methyl methacrylate	50.000	49.669	0.7	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	1080.631	-8.1	87	0.00
50	S	Toluene-d8	50.000	51.589	-3.2	73	0.00
51	T	4-Methyl-2-Pentanone	250.000	263.592	-5.4	78	0.00
52	CM	Toluene	50.000	52.807	-5.6#	79	0.00
53	T	t-1,3-Dichloropropene	50.000	56.106	-12.2	82	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.796	-5.6	81	0.00
55	T	1,1,2-Trichloroethane	50.000	57.253	-14.5	86	0.00
56	T	Ethyl methacrylate	50.000	53.899	-7.8	82	0.00
57	T	1,3-Dichloropropane	50.000	56.016	-12.0	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	238.408	4.6	69	0.00
59	T	2-Hexanone	250.000	261.423	-4.6	78	0.00
60	T	Dibromochloromethane	50.000	58.161	-16.3	87	0.00
61	T	1,2-Dibromoethane	50.000	58.498	-17.0	87	0.00
62	S	4-Bromofluorobenzene	50.000	52.810	-5.6	75	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	75	0.00
64	T	Tetrachloroethene	50.000	50.118	-0.2	78	0.00
65	PM	Chlorobenzene	50.000	52.576	-5.2	84	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.541	-9.1	87	0.00
67	C	Ethyl Benzene	50.000	49.637	0.7#	78	0.00
68	T	m/p-Xylenes	100.000	102.350	-2.3	80	0.00
69	T	o-Xylene	50.000	51.383	-2.8	81	0.00
70	T	Styrene	50.000	53.644	-7.3	82	0.00
71	P	Bromoform	50.000	56.230	-12.5	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73	T	Isopropylbenzene	50.000	45.987	8.0	78	0.00
74	T	N-amyl acetate	50.000	45.503	9.0	80	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.472	-0.9	88	0.00
76	T	1,2,3-Trichloropropane	50.000	48.132	3.7	84	0.00
77	T	Bromobenzene	50.000	53.065	-6.1	87	0.00
78	T	n-propylbenzene	50.000	46.301	7.4	77	0.00
79	T	2-Chlorotoluene	50.000	48.130	3.7	81	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.572	4.9	80	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.354	-4.7	86	0.00
82	T	4-Chlorotoluene	50.000	49.221	1.6	81	0.00
83	T	tert-Butylbenzene	50.000	45.561	8.9	78	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.864	2.3	81	0.00
85	T	sec-Butylbenzene	50.000	45.861	8.3	76	0.00
86	T	p-Isopropyltoluene	50.000	47.890	4.2	78	0.00
87	T	1,3-Dichlorobenzene	50.000	52.446	-4.9	86	0.00
88	T	1,4-Dichlorobenzene	50.000	52.755	-5.5	86	0.00
89	T	n-Butylbenzene	50.000	46.633	6.7	74	0.00
90	T	Hexachloroethane	50.000	46.800	6.4	78	0.00
91	T	1,2-Dichlorobenzene	50.000	53.131	-6.3	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.038	1.9	81	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.621	-7.2	85	0.00
94	T	Hexachlorobutadiene	50.000	46.233	7.5	76	0.00
95	T	Naphthalene	50.000	51.308	-2.6	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.440	-6.9	87	0.00

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date/Time: 05/14/2025 09:59

Lab File ID: VX046181.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.816		6.67	20
Chloromethane	0.742	0.750	0.1	1.08	20
Vinyl Chloride	0.691	0.687		-0.58	20
Bromomethane	0.320	0.290		-9.38	20
Chloroethane	0.369	0.367		-0.54	20
Trichlorofluoromethane	1.021	1.048		2.64	20
1,1,2-Trichlorotrifluoroethane	0.632	0.654		3.48	20
1,1-Dichloroethene	0.593	0.584		-1.52	20
Acetone	0.374	0.386		3.21	20
Carbon Disulfide	1.406	1.299		-7.61	20
Methyl tert-butyl Ether	2.079	2.130		2.45	20
Methyl Acetate	0.867	0.936		7.96	20
Methylene Chloride	0.716	0.679		-5.17	20
trans-1,2-Dichloroethene	0.596	0.582		-2.35	20
1,1-Dichloroethane	1.219	1.242	0.1	1.89	20
Cyclohexane	1.111	1.083		-2.52	20
2-Butanone	0.543	0.560		3.13	20
Carbon Tetrachloride	0.544	0.568		4.41	20
cis-1,2-Dichloroethene	0.718	0.721		0.42	20
Bromochloromethane	0.587	0.577		-1.7	20
Chloroform	1.271	1.302		2.44	20
1,1,1-Trichloroethane	1.101	1.122		1.91	20
Methylcyclohexane	0.623	0.635		1.93	20
Benzene	1.417	1.472		3.88	20
1,2-Dichloroethane	0.612	0.643		5.07	20
Trichloroethene	0.341	0.354		3.81	20
1,2-Dichloropropane	0.352	0.381		8.24	20
Bromodichloromethane	0.547	0.592		8.23	20
4-Methyl-2-Pentanone	0.605	0.652		7.77	20
Toluene	0.869	0.907		4.37	20
t-1,3-Dichloropropene	0.487	0.532		9.24	20
cis-1,3-Dichloropropene	0.538	0.584		8.55	20
1,1,2-Trichloroethane	0.343	0.367		7	20
2-Hexanone	0.448	0.480		7.14	20
Dibromochloromethane	0.376	0.419		11.44	20
1,2-Dibromoethane	0.356	0.377		5.9	20
Tetrachloroethene	0.354	0.354		0	20
Chlorobenzene	1.094	1.097	0.3	0.27	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date/Time: 05/14/2025 09:59

Lab File ID: VX046181.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	2.001		3.73	20
m/p-Xylenes	0.706	0.735		4.11	20
o-Xylene	0.688	0.718		4.36	20
Styrene	1.127	1.238		9.85	20
Bromoform	0.281	0.296	0.1	5.34	20
Isopropylbenzene	3.893	4.164		6.96	20
1,1,2,2-Tetrachloroethane	1.364	1.331	0.3	-2.42	20
1,3-Dichlorobenzene	1.649	1.720		4.31	20
1,4-Dichlorobenzene	1.684	1.706		1.31	20
1,2-Dichlorobenzene	1.655	1.714		3.57	20
1,2-Dibromo-3-Chloropropane	0.302	0.315		4.3	20
1,2,4-Trichlorobenzene	0.951	1.023		7.57	20
1,2,3-Trichlorobenzene	0.981	1.053		7.34	20
1,2-Dichloroethane-d4	0.932	0.914		-1.93	20
Dibromofluoromethane	0.360	0.380		5.56	20
Toluene-d8	1.246	1.293		3.77	20
4-Bromofluorobenzene	0.478	0.507		6.07	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_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	92522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155707	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84565	49.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.060%			
35) Dibromofluoromethane	5.379	113	59183	52.783	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.560%			
50) Toluene-d8	8.640	98	201370	51.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.780%			
62) 4-Bromofluorobenzene	11.079	95	78977	53.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	75455	53.283	ug/l	97
3) Chloromethane	1.306	50	69407	50.541	ug/l	98
4) Vinyl Chloride	1.373	62	63538	49.713	ug/l	99
5) Bromomethane	1.593	94	26858	45.307	ug/l	97
6) Chloroethane	1.666	64	33944	49.749	ug/l	97
7) Trichlorofluoromethane	1.873	101	96944	51.323	ug/l	98
8) Diethyl Ether	2.135	74	31040	48.272	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	60493	51.750	ug/l	99
10) Methyl Iodide	2.440	142	61544	44.495	ug/l	98
11) Tert butyl alcohol	2.983	59	58844	243.032	ug/l	99
12) 1,1-Dichloroethene	2.306	96	54016	49.236	ug/l	98
13) Acrolein	2.233	56	74317	269.517	ug/l	100
14) Allyl chloride	2.654	41	108978	51.975	ug/l	98
15) Acrylonitrile	3.062	53	177703	256.670	ug/l	97
16) Acetone	2.385	43	178746	258.450	ug/l	100
17) Carbon Disulfide	2.501	76	120213	46.219	ug/l	99
18) Methyl Acetate	2.702	43	86558	53.934	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	197109	51.246	ug/l	99
20) Methylene Chloride	2.782	84	62797	47.382	ug/l	96
21) trans-1,2-Dichloroethene	3.080	96	53849	48.808	ug/l	96
22) Diisopropyl ether	3.757	45	211893	52.318	ug/l	97
23) Vinyl Acetate	3.714	43	919719	258.187	ug/l	99
24) 1,1-Dichloroethane	3.599	63	114951	50.957	ug/l	98
25) 2-Butanone	4.556	43	259186	258.137	ug/l	99
26) 2,2-Dichloropropane	4.464	77	88821	50.305	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	66737	50.247	ug/l	99
28) Bromochloromethane	4.891	49	53358	49.140	ug/l	99
29) Tetrahydrofuran	5.001	42	160021	254.336	ug/l	99
30) Chloroform	5.086	83	120443	51.225	ug/l	96
31) Cyclohexane	5.458	56	100204	48.746	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	103781	50.918	ug/l	99
36) 1,1-Dichloropropene	5.684	75	75672	50.230	ug/l	99
37) Ethyl Acetate	4.708	43	95498	51.307	ug/l	99
38) Carbon Tetrachloride	5.671	117	88471	52.266	ug/l	97
39) Methylcyclohexane	7.372	83	98803	50.942	ug/l	95
40) Benzene	6.025	78	229214	51.944	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	55872	57.383	ug/l		99
42) 1,2-Dichloroethane	6.080	62	100162	52.592	ug/l		100
43) Isopropyl Acetate	6.336	43	152717	53.783	ug/l		100
44) Trichloroethene	7.122	130	55066	51.848	ug/l		100
45) 1,2-Dichloropropane	7.421	63	59276	54.022	ug/l		100
46) Dibromomethane	7.573	93	45403	52.464	ug/l		99
47) Bromodichloromethane	7.817	83	92130	54.051	ug/l		98
48) Methyl methacrylate	7.689	41	79292	54.678	ug/l		99
49) 1,4-Dioxane	7.659	88	29613	1075.475	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	507725	269.373	ug/l		100
52) Toluene	8.713	92	141251	52.203	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	82854	54.688	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	90937	54.307	ug/l		99
55) 1,1,2-Trichloroethane	9.146	97	57222	53.633	ug/l		96
56) Ethyl methacrylate	9.116	69	95191	55.981	ug/l		99
57) 1,3-Dichloropropane	9.305	76	100399	52.398	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	250117	288.517	ug/l		100
59) 2-Hexanone	9.427	43	373605	267.919	ug/l		100
60) Dibromochloromethane	9.518	129	65246	55.684	ug/l		100
61) 1,2-Dibromoethane	9.604	107	58733	52.965	ug/l		98
64) Tetrachloroethene	9.268	164	49716	50.004	ug/l		97
65) Chlorobenzene	10.073	112	154083	50.098	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	53417	50.862	ug/l		99
67) Ethyl Benzene	10.189	91	281152	51.859	ug/l		99
68) m/p-Xylenes	10.299	106	206571	104.178	ug/l		98
69) o-Xylene	10.640	106	100862	52.176	ug/l		97
70) Styrene	10.652	104	173899	54.916	ug/l		100
71) Bromoform	10.799	173	41583	52.737	ug/l	#	98
73) Isopropylbenzene	10.957	105	273816	53.491	ug/l		99
74) N-amyl acetate	10.841	43	130717	51.677	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87500	48.778	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	77241m	48.805	ug/l		
77) Bromobenzene	11.195	156	61354	51.627	ug/l		100
78) n-propylbenzene	11.298	91	320409	53.832	ug/l		100
79) 2-Chlorotoluene	11.359	91	196787	51.259	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	234370	54.804	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	24582	50.568	ug/l		99
82) 4-Chlorotoluene	11.451	91	226547	53.213	ug/l		99
83) tert-Butylbenzene	11.713	119	227279	52.762	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	230811	53.296	ug/l		100
85) sec-Butylbenzene	11.890	105	287878	54.429	ug/l		100
86) p-Isopropyltoluene	12.006	119	237747	54.457	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	113068	52.131	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	112173	50.642	ug/l		99
89) n-Butylbenzene	12.329	91	213223	55.679	ug/l		99
90) Hexachloroethane	12.536	117	40847	53.107	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	112711	51.786	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20686	52.054	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	67243	53.791	ug/l		98
94) Hexachlorobutadiene	13.725	225	28755	52.668	ug/l		98
95) Naphthalene	13.774	128	238800	52.084	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	69216	53.661	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

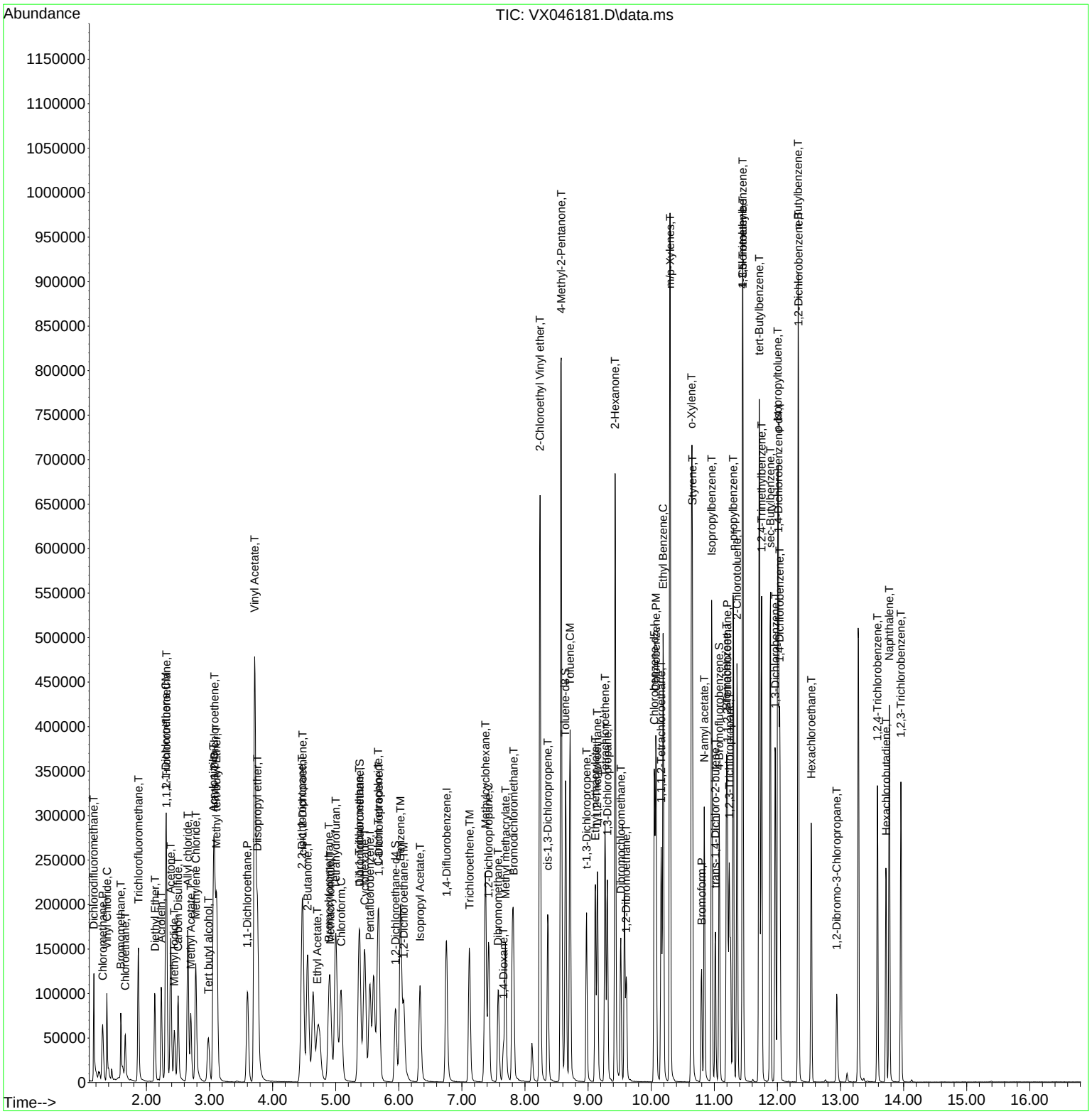
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Sample Results: **VX046181.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	95	0.00
2	T	Dichlorodifluoromethane	0.765	0.816	-6.7	90	0.00
3	P	Chloromethane	0.742	0.750	-1.1	92	0.00
4	C	Vinyl Chloride	0.691	0.687	0.6#	92	0.00
5	T	Bromomethane	0.320	0.290	9.4	85	0.00
6	T	Chloroethane	0.369	0.367	0.5	92	0.00
7	T	Trichlorofluoromethane	1.021	1.048	-2.6	93	0.00
8	T	Diethyl Ether	0.347	0.335	3.5	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.654	-3.5	97	0.00
10	T	Methyl Iodide	0.747	0.665	11.0	79	0.00
11	T	Tert butyl alcohol	0.131	0.127	3.1	94	0.00
12	CM	1,1-Dichloroethene	0.593	0.584	1.5#	93	0.00
13	T	Acrolein	0.149	0.161	-8.1	101	0.00
14	T	Allyl chloride	1.133	1.178	-4.0	95	0.00
15	T	Acrylonitrile	0.374	0.384	-2.7	94	0.00
16	T	Acetone	0.374	0.386	-3.2	102	0.00
17	T	Carbon Disulfide	1.406	1.299	7.6	85	0.00
18	T	Methyl Acetate	0.867	0.936	-8.0	105	0.00
19	T	Methyl tert-butyl Ether	2.079	2.130	-2.5	94	0.00
20	T	Methylene Chloride	0.716	0.679	5.2	95	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.582	2.3	91	0.00
22	T	Diisopropyl ether	2.189	2.290	-4.6	96	0.00
23	T	Vinyl Acetate	1.925	1.988	-3.3	93	0.00
24	P	1,1-Dichloroethane	1.219	1.242	-1.9	94	0.00
25	T	2-Butanone	0.543	0.560	-3.1	96	0.00
26	T	2,2-Dichloropropane	0.954	0.960	-0.6	96	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.721	-0.4	93	0.00
28	T	Bromochloromethane	0.587	0.577	1.7	95	0.00
29	T	Tetrahydrofuran	0.340	0.346	-1.8	94	0.00
30	C	Chloroform	1.271	1.302	-2.4#	96	0.00
31	T	Cyclohexane	1.111	1.083	2.5	92	0.00
32	T	1,1,1-Trichloroethane	1.101	1.122	-1.9	95	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.914	1.9	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.360	0.380	-5.6	99	0.00
36	T	1,1-Dichloropropene	0.484	0.486	-0.4	91	0.00
37	T	Ethyl Acetate	0.598	0.613	-2.5	93	0.00
38	T	Carbon Tetrachloride	0.544	0.568	-4.4	94	0.00
39	T	Methylcyclohexane	0.623	0.635	-1.9	92	0.00
40	TM	Benzene	1.417	1.472	-3.9	93	0.00
41	T	Methacrylonitrile	0.313	0.359	-14.7	96	0.00
42	TM	1,2-Dichloroethane	0.612	0.643	-5.1	95	0.00
43	T	Isopropyl Acetate	0.912	0.981	-7.6	94	0.00
44	TM	Trichloroethene	0.341	0.354	-3.8	92	0.00
45	C	1,2-Dichloropropane	0.352	0.381	-8.2#	95	0.00
46	T	Dibromomethane	0.278	0.292	-5.0	94	0.00
47	T	Bromodichloromethane	0.547	0.592	-8.2	95	0.00
48	T	Methyl methacrylate	0.466	0.509	-9.2	94	0.00

Sample Results: **VX046181.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.009	0.010	-11.1	97	0.00
50	S	Toluene-d8	1.246	1.293	-3.8	98	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.652	-7.8	95	0.00
52	CM	Toluene	0.869	0.907	-4.4#	94	0.00
53	T	t-1,3-Dichloropropene	0.487	0.532	-9.2	93	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.584	-8.6	94	0.00
55	T	1,1,2-Trichloroethane	0.343	0.367	-7.0	96	0.00
56	T	Ethyl methacrylate	0.546	0.611	-11.9	95	0.00
57	T	1,3-Dichloropropane	0.615	0.645	-4.9	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.321	-15.5	97	0.00
59	T	2-Hexanone	0.448	0.480	-7.1	94	0.00
60	T	Dibromochloromethane	0.376	0.419	-11.4	97	0.00
61	T	1,2-Dibromoethane	0.356	0.377	-5.9	94	0.00
62	S	4-Bromofluorobenzene	0.478	0.507	-6.1	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.354	0.354	0.0	91	0.00
65	PM	Chlorobenzene	1.094	1.097	-0.3	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.380	-1.6	94	0.00
67	C	Ethyl Benzene	1.929	2.001	-3.7#	95	0.00
68	T	m/p-Xylenes	0.706	0.735	-4.1	95	0.00
69	T	o-Xylene	0.688	0.718	-4.4	95	0.00
70	T	Styrene	1.127	1.238	-9.8	98	0.00
71	P	Bromoform	0.281	0.296	-5.3	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.893	4.164	-7.0	98	0.00
74	T	N-amyl acetate	1.924	1.988	-3.3	93	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.331	2.4	96	0.00
76	T	1,2,3-Trichloropropane	1.204	1.175	2.4	96	0.00
77	T	Bromobenzene	0.904	0.933	-3.2	97	0.00
78	T	n-propylbenzene	4.526	4.873	-7.7	97	0.00
79	T	2-Chlorotoluene	2.919	2.993	-2.5	97	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.565	-9.6	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.374	-1.1	94	0.00
82	T	4-Chlorotoluene	3.238	3.446	-6.4	97	0.00
83	T	tert-Butylbenzene	3.276	3.457	-5.5	97	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.510	-6.6	96	0.00
85	T	sec-Butylbenzene	4.022	4.378	-8.9	99	0.00
86	T	p-Isopropyltoluene	3.320	3.616	-8.9	98	0.00
87	T	1,3-Dichlorobenzene	1.649	1.720	-4.3	98	0.00
88	T	1,4-Dichlorobenzene	1.684	1.706	-1.3	97	0.00
89	T	n-Butylbenzene	2.912	3.243	-11.4	100	0.00
90	T	Hexachloroethane	0.585	0.621	-6.2	97	0.00
91	T	1,2-Dichlorobenzene	1.655	1.714	-3.6	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.315	-4.3	94	0.00
93	T	1,2,4-Trichlorobenzene	0.951	1.023	-7.6	101	0.00
94	T	Hexachlorobutadiene	0.415	0.437	-5.3	99	0.00
95	T	Naphthalene	3.487	3.632	-4.2	97	0.00

Sample Results: **VX046181.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.981	1.053	-7.3	100	0.00

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

Sample Results: **VX046181.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	95	0.00
2	T	Dichlorodifluoromethane	50.000	53.283	-6.6	90	0.00
3	P	Chloromethane	50.000	50.541	-1.1	92	0.00
4	C	Vinyl Chloride	50.000	49.713	0.6#	92	0.00
5	T	Bromomethane	50.000	45.307	9.4	85	0.00
6	T	Chloroethane	50.000	49.749	0.5	92	0.00
7	T	Trichlorofluoromethane	50.000	51.323	-2.6	93	0.00
8	T	Diethyl Ether	50.000	48.272	3.5	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.750	-3.5	97	0.00
10	T	Methyl Iodide	50.000	44.495	11.0	79	0.00
11	T	Tert butyl alcohol	250.000	243.032	2.8	94	0.00
12	CM	1,1-Dichloroethene	50.000	49.236	1.5#	93	0.00
13	T	Acrolein	250.000	269.517	-7.8	101	0.00
14	T	Allyl chloride	50.000	51.975	-4.0	95	0.00
15	T	Acrylonitrile	250.000	256.670	-2.7	94	0.00
16	T	Acetone	250.000	258.450	-3.4	102	0.00
17	T	Carbon Disulfide	50.000	46.219	7.6	85	0.00
18	T	Methyl Acetate	50.000	53.934	-7.9	105	0.00
19	T	Methyl tert-butyl Ether	50.000	51.246	-2.5	94	0.00
20	T	Methylene Chloride	50.000	47.382	5.2	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.808	2.4	91	0.00
22	T	Diisopropyl ether	50.000	52.318	-4.6	96	0.00
23	T	Vinyl Acetate	250.000	258.187	-3.3	93	0.00
24	P	1,1-Dichloroethane	50.000	50.957	-1.9	94	0.00
25	T	2-Butanone	250.000	258.137	-3.3	96	0.00
26	T	2,2-Dichloropropane	50.000	50.305	-0.6	96	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.247	-0.5	93	0.00
28	T	Bromochloromethane	50.000	49.140	1.7	95	0.00
29	T	Tetrahydrofuran	250.000	254.336	-1.7	94	0.00
30	C	Chloroform	50.000	51.225	-2.5#	96	0.00
31	T	Cyclohexane	50.000	48.746	2.5	92	0.00
32	T	1,1,1-Trichloroethane	50.000	50.918	-1.8	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.026	1.9	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	52.783	-5.6	99	0.00
36	T	1,1-Dichloropropene	50.000	50.230	-0.5	91	0.00
37	T	Ethyl Acetate	50.000	51.307	-2.6	93	0.00
38	T	Carbon Tetrachloride	50.000	52.266	-4.5	94	0.00
39	T	Methylcyclohexane	50.000	50.942	-1.9	92	0.00
40	TM	Benzene	50.000	51.944	-3.9	93	0.00
41	T	Methacrylonitrile	50.000	57.383	-14.8	96	0.00
42	TM	1,2-Dichloroethane	50.000	52.592	-5.2	95	0.00
43	T	Isopropyl Acetate	50.000	53.783	-7.6	94	0.00
44	TM	Trichloroethene	50.000	51.848	-3.7	92	0.00
45	C	1,2-Dichloropropane	50.000	54.022	-8.0#	95	0.00
46	T	Dibromomethane	50.000	52.464	-4.9	94	0.00
47	T	Bromodichloromethane	50.000	54.051	-8.1	95	0.00
48	T	Methyl methacrylate	50.000	54.678	-9.4	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	1075.475	-7.5	97	0.00
50	S	Toluene-d8	50.000	51.889	-3.8	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	269.373	-7.7	95	0.00
52	CM	Toluene	50.000	52.203	-4.4#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	54.688	-9.4	93	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.307	-8.6	94	0.00
55	T	1,1,2-Trichloroethane	50.000	53.633	-7.3	96	0.00
56	T	Ethyl methacrylate	50.000	55.981	-12.0	95	0.00
57	T	1,3-Dichloropropane	50.000	52.398	-4.8	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	288.517	-15.4	97	0.00
59	T	2-Hexanone	250.000	267.919	-7.2	94	0.00
60	T	Dibromochloromethane	50.000	55.684	-11.4	97	0.00
61	T	1,2-Dibromoethane	50.000	52.965	-5.9	94	0.00
62	S	4-Bromofluorobenzene	50.000	53.054	-6.1	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	50.004	-0.0	91	0.00
65	PM	Chlorobenzene	50.000	50.098	-0.2	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.862	-1.7	94	0.00
67	C	Ethyl Benzene	50.000	51.859	-3.7#	95	0.00
68	T	m/p-Xylenes	100.000	104.178	-4.2	95	0.00
69	T	o-Xylene	50.000	52.176	-4.4	95	0.00
70	T	Styrene	50.000	54.916	-9.8	98	0.00
71	P	Bromoform	50.000	52.737	-5.5	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	53.491	-7.0	98	0.00
74	T	N-amyl acetate	50.000	51.677	-3.4	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.778	2.4	96	0.00
76	T	1,2,3-Trichloropropane	50.000	48.805	2.4	96	0.00
77	T	Bromobenzene	50.000	51.627	-3.3	97	0.00
78	T	n-propylbenzene	50.000	53.832	-7.7	97	0.00
79	T	2-Chlorotoluene	50.000	51.259	-2.5	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.804	-9.6	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.568	-1.1	94	0.00
82	T	4-Chlorotoluene	50.000	53.213	-6.4	97	0.00
83	T	tert-Butylbenzene	50.000	52.762	-5.5	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.296	-6.6	96	0.00
85	T	sec-Butylbenzene	50.000	54.429	-8.9	99	0.00
86	T	p-Isopropyltoluene	50.000	54.457	-8.9	98	0.00
87	T	1,3-Dichlorobenzene	50.000	52.131	-4.3	98	0.00
88	T	1,4-Dichlorobenzene	50.000	50.642	-1.3	97	0.00
89	T	n-Butylbenzene	50.000	55.679	-11.4	100	0.00
90	T	Hexachloroethane	50.000	53.107	-6.2	97	0.00
91	T	1,2-Dichlorobenzene	50.000	51.786	-3.6	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.054	-4.1	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.791	-7.6	101	0.00
94	T	Hexachlorobutadiene	50.000	52.668	-5.3	99	0.00
95	T	Naphthalene	50.000	52.084	-4.2	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.661	-7.3	100	0.00

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

Raw Data: **VY022145.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 08:46

Lab File ID: VY022145.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.374		-12.21	20
Chloromethane	0.607	0.536	0.1	-11.7	20
Vinyl Chloride	0.745	0.684		-8.19	20
Bromomethane	0.642	0.532		-17.13	20
Chloroethane	0.508	0.446		-12.2	20
Trichlorofluoromethane	0.983	0.903		-8.14	20
1,1,2-Trichlorotrifluoroethane	0.533	0.505		-5.25	20
1,1-Dichloroethene	0.497	0.473		-4.83	20
Acetone	0.070	0.062		-11.43	20
Carbon Disulfide	1.585	1.404		-11.42	20
Methyl tert-butyl Ether	1.113	1.109		-0.36	20
Methyl Acetate	0.216	0.234		8.33	20
Methylene Chloride	0.584	0.533		-8.73	20
trans-1,2-Dichloroethene	0.557	0.529		-5.03	20
1,1-Dichloroethane	0.893	0.855	0.1	-4.26	20
Cyclohexane	0.763	0.717		-6.03	20
2-Butanone	0.105	0.100		-4.76	20
Carbon Tetrachloride	0.530	0.540		1.89	20
cis-1,2-Dichloroethene	0.622	0.610		-1.93	20
Bromochloromethane	0.347	0.331		-4.61	20
Chloroform	0.990	0.967		-2.32	20
1,1,1-Trichloroethane	0.896	0.869		-3.01	20
Methylcyclohexane	0.558	0.572		2.51	20
Benzene	1.387	1.389		0.14	20
1,2-Dichloroethane	0.343	0.354		3.21	20
Trichloroethene	0.384	0.384		0	20
1,2-Dichloropropane	0.307	0.314		2.28	20
Bromodichloromethane	0.480	0.492		2.5	20
4-Methyl-2-Pentanone	0.160	0.170		6.25	20
Toluene	0.898	0.933		3.9	20
t-1,3-Dichloropropene	0.411	0.427		3.89	20
cis-1,3-Dichloropropene	0.489	0.505		3.27	20
1,1,2-Trichloroethane	0.256	0.265		3.52	20
2-Hexanone	0.106	0.113		6.6	20
Dibromochloromethane	0.355	0.363		2.25	20
1,2-Dibromoethane	0.242	0.251		3.72	20
Tetrachloroethene	0.472	0.493		4.45	20
Chlorobenzene	1.118	1.132	0.3	1.25	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: **VY022145.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 08:46

Lab File ID: VY022145.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.829	1.898		3.77	20
m/p-Xylenes	0.728	0.757		3.98	20
o-Xylene	0.671	0.703		4.77	20
Styrene	1.126	1.201		6.66	20
Bromoform	0.229	0.228	0.1	-0.44	20
Isopropylbenzene	3.341	3.491		4.49	20
1,1,2,2-Tetrachloroethane	0.563	0.550	0.3	-2.31	20
1,3-Dichlorobenzene	1.714	1.696		-1.05	20
1,4-Dichlorobenzene	1.698	1.681		-1	20
1,2-Dichlorobenzene	1.495	1.505		0.67	20
1,2-Dibromo-3-Chloropropane	0.090	0.089		-1.11	20
1,2,4-Trichlorobenzene	0.847	0.851		0.47	20
1,2,3-Trichlorobenzene	0.731	0.740		1.23	20
1,2-Dichloroethane-d4	0.462	0.441		-4.55	20
Dibromofluoromethane	0.330	0.325		-1.51	20
Toluene-d8	1.245	1.243		-0.16	20
4-Bromofluorobenzene	0.419	0.427		1.91	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	301546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	415602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	221579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132883	47.708	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.420%			
35) Dibromofluoromethane	7.634	113	146286	49.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.360%			
50) Toluene-d8	10.109	98	559680	49.907	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.820%			
62) 4-Bromofluorobenzene	12.408	95	192281	50.932	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	112875	43.929	ug/l	99
3) Chloromethane	2.068	50	161688	44.193	ug/l	100
4) Vinyl Chloride	2.202	62	206368	45.901	ug/l	99
5) Bromomethane	2.599	94	160309	41.387	ug/l	100
6) Chloroethane	2.739	64	134635	43.970	ug/l	99
7) Trichlorofluoromethane	3.056	101	272284	45.927	ug/l	98
8) Diethyl Ether	3.458	74	70835	45.905	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	152288	47.352	ug/l	99
10) Methyl Iodide	4.007	142	179944	48.326	ug/l	98
11) Tert butyl alcohol	4.872	59	35368	231.296	ug/l	98
12) 1,1-Dichloroethene	3.787	96	142549	47.553	ug/l	97
13) Acrolein	3.659	56	34294	124.956	ug/l	100
14) Allyl chloride	4.385	41	166047	47.571	ug/l	98
15) Acrylonitrile	5.061	53	132967	235.378	ug/l	99
16) Acetone	3.873	43	93721	257.728	ug/l	97
17) Carbon Disulfide	4.110	76	423479	44.306	ug/l	98
18) Methyl Acetate	4.391	43	70510	54.193	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	334445	49.847	ug/l	100
20) Methylene Chloride	4.616	84	160823	45.663	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	159456	47.497	ug/l	98
22) Diisopropyl ether	6.019	45	386882	49.807	ug/l	96
23) Vinyl Acetate	5.964	43	1024665	244.768	ug/l	100
24) 1,1-Dichloroethane	5.915	63	257691	47.860	ug/l	98
25) 2-Butanone	6.897	43	151417	238.488	ug/l	98
26) 2,2-Dichloropropane	6.890	77	237802	50.391	ug/l	98
27) cis-1,2-Dichloroethene	6.897	96	183808	48.965	ug/l	99
28) Bromochloromethane	7.250	49	99882	47.760	ug/l	100
29) Tetrahydrofuran	7.268	42	101569	246.313	ug/l	98
30) Chloroform	7.421	83	291473	48.804	ug/l	98
31) Cyclohexane	7.701	56	216232	46.963	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	262037	48.496	ug/l	100
36) 1,1-Dichloropropene	7.835	75	201117	50.333	ug/l	100
37) Ethyl Acetate	6.988	43	69892	48.702	ug/l	96
38) Carbon Tetrachloride	7.817	117	243069	50.908	ug/l	97
39) Methylcyclohexane	9.110	83	257390	51.187	ug/l	99
40) Benzene	8.085	78	625230	50.056	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	43507m	55.458	ug/l		
42) 1,2-Dichloroethane	8.158	62	159242	51.493	ug/l		99
43) Isopropyl Acetate	8.201	43	137299	49.819	ug/l		99
44) Trichloroethene	8.866	130	173060	50.021	ug/l		96
45) 1,2-Dichloropropane	9.146	63	141445	51.207	ug/l		98
46) Dibromomethane	9.238	93	86996	50.312	ug/l		99
47) Bromodichloromethane	9.427	83	221679	51.319	ug/l		97
48) Methyl methacrylate	9.225	41	67168	52.721	ug/l		98
49) 1,4-Dioxane	9.231	88	18381	997.352	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	382449	264.723	ug/l		99
52) Toluene	10.170	92	420077	51.956	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	192400	51.928	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	227562	51.667	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	119511	51.742	ug/l		99
56) Ethyl methacrylate	10.439	69	138889	52.583	ug/l		98
57) 1,3-Dichloropropane	10.719	76	189498	51.177	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	346642	268.418	ug/l		99
59) 2-Hexanone	10.762	43	255230	267.843	ug/l		98
60) Dibromochloromethane	10.914	129	163529	51.138	ug/l		99
61) 1,2-Dibromoethane	11.018	107	112896	51.775	ug/l		98
64) Tetrachloroethene	10.646	164	204932	52.270	ug/l		98
65) Chlorobenzene	11.444	112	470366	50.610	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	165462	50.569	ug/l		100
67) Ethyl Benzene	11.518	91	788631	51.872	ug/l		100
68) m/p-Xylenes	11.627	106	629353	104.029	ug/l		99
69) o-Xylene	11.957	106	292170	52.398	ug/l		99
70) Styrene	11.969	104	499203	53.321	ug/l		99
71) Bromoform	12.133	173	94954	49.915	ug/l	#	99
73) Isopropylbenzene	12.255	105	773553	52.254	ug/l		100
74) N-amyl acetate	12.072	43	125362	49.288	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	121976	48.871	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	96902m	51.057	ug/l		
77) Bromobenzene	12.536	156	190990	51.057	ug/l		99
78) n-propylbenzene	12.597	91	928299	52.656	ug/l		100
79) 2-Chlorotoluene	12.682	91	527905	51.489	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	643214	52.733	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	39816	50.520	ug/l		99
82) 4-Chlorotoluene	12.780	91	553248	51.909	ug/l		100
83) tert-Butylbenzene	12.999	119	571296	52.224	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	643015	52.705	ug/l		99
85) sec-Butylbenzene	13.176	105	843051	52.666	ug/l		100
86) p-Isopropyltoluene	13.292	119	713078	52.460	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	375900	49.477	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	372381	49.489	ug/l		99
89) n-Butylbenzene	13.621	91	634275	52.205	ug/l		99
90) Hexachloroethane	13.883	117	149353	50.010	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	333414	50.315	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19712	49.642	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	188657	50.241	ug/l		100
94) Hexachlorobutadiene	15.023	225	115309	49.910	ug/l		98
95) Naphthalene	15.145	128	320223	51.336	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	164013	50.599	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

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

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

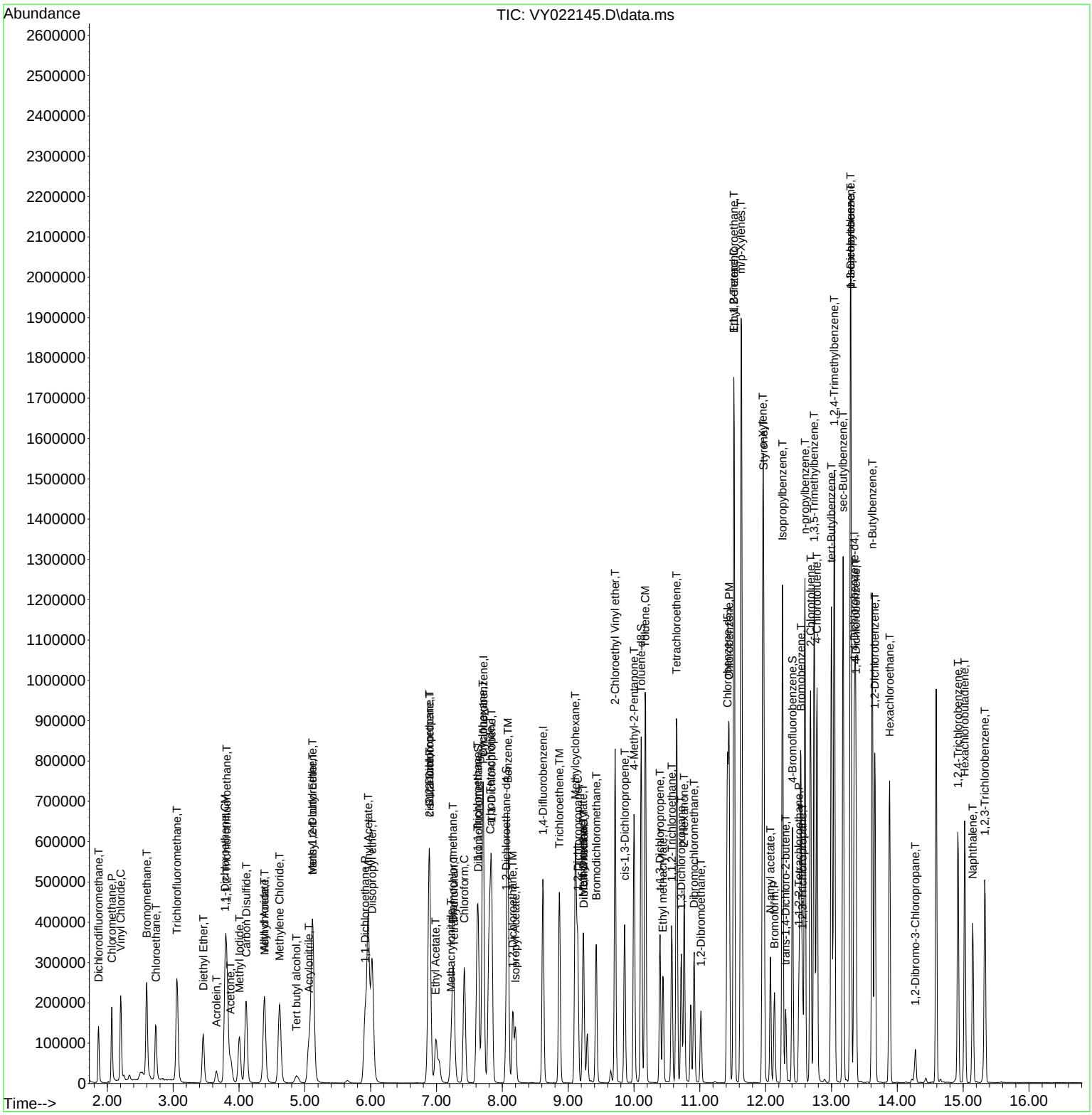
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



Evaluate Continuing Calibration Report

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	94	0.00
2	T	Dichlorodifluoromethane	0.426	0.374	12.2	89	0.00
3	P	Chloromethane	0.607	0.536	11.7	83	0.00
4	C	Vinyl Chloride	0.745	0.684	8.2#	88	0.00
5	T	Bromomethane	0.642	0.532	17.1	84	0.00
6	T	Chloroethane	0.508	0.446	12.2	85	0.00
7	T	Trichlorofluoromethane	0.983	0.903	8.1	88	0.00
8	T	Diethyl Ether	0.256	0.235	8.2	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.505	5.3	97	0.00
10	T	Methyl Iodide	0.617	0.597	3.2	89	0.00
11	T	Tert butyl alcohol	0.025	0.023	8.0	84	0.00
12	CM	1,1-Dichloroethene	0.497	0.473	4.8#	94	0.00
13	T	Acrolein	0.046	0.023	50.0#	50	0.00
14	T	Allyl chloride	0.579	0.551	4.8	93	0.00
15	T	Acrylonitrile	0.094	0.088	6.4	89	0.00
16	T	Acetone	0.070	0.062	11.4	92	0.00
17	T	Carbon Disulfide	1.585	1.404	11.4	88	0.01
18	T	Methyl Acetate	0.216	0.234	-8.3	98	0.00
19	T	Methyl tert-butyl Ether	1.113	1.109	0.4	92	0.00
20	T	Methylene Chloride	0.584	0.533	8.7	94	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.529	5.0	93	0.01
22	T	Diisopropyl ether	1.288	1.283	0.4	93	0.00
23	T	Vinyl Acetate	0.694	0.680	2.0	89	0.00
24	P	1,1-Dichloroethane	0.893	0.855	4.3	94	0.00
25	T	2-Butanone	0.105	0.100	4.8	89	0.00
26	T	2,2-Dichloropropane	0.782	0.789	-0.9	100	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.610	1.9	93	0.00
28	T	Bromochloromethane	0.347	0.331	4.6	90	0.00
29	T	Tetrahydrofuran	0.068	0.067	1.5	87	0.00
30	C	Chloroform	0.990	0.967	2.3#	95	0.00
31	T	Cyclohexane	0.763	0.717	6.0	95	0.00
32	T	1,1,1-Trichloroethane	0.896	0.869	3.0	96	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.441	4.5	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35	S	Dibromofluoromethane	0.330	0.325	1.5	89	0.00
36	T	1,1-Dichloropropene	0.444	0.447	-0.7	95	0.00
37	T	Ethyl Acetate	0.159	0.155	2.5	87	0.00
38	T	Carbon Tetrachloride	0.530	0.540	-1.9	96	0.00
39	T	Methylcyclohexane	0.558	0.572	-2.5	94	0.00
40	TM	Benzene	1.387	1.389	-0.1	94	0.00
41	T	Methacrylonitrile	0.087	0.097	-11.5	95	0.00
42	TM	1,2-Dichloroethane	0.343	0.354	-3.2	95	0.00
43	T	Isopropyl Acetate	0.306	0.305	0.3	88	0.00
44	TM	Trichloroethene	0.384	0.384	0.0	94	0.00
45	C	1,2-Dichloropropane	0.307	0.314	-2.3#	94	0.00
46	T	Dibromomethane	0.192	0.193	-0.5	93	0.00
47	T	Bromodichloromethane	0.480	0.492	-2.5	94	0.00
48	T	Methyl methacrylate	0.141	0.149	-5.7	89	0.00

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	91	0.00
50	S	Toluene-d8	1.245	1.243	0.2	88	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.170	-6.3	89	0.00
52	CM	Toluene	0.898	0.933	-3.9#	94	0.00
53	T	t-1,3-Dichloropropene	0.411	0.427	-3.9	92	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.505	-3.3	94	0.00
55	T	1,1,2-Trichloroethane	0.256	0.265	-3.5	93	0.00
56	T	Ethyl methacrylate	0.293	0.308	-5.1	88	0.00
57	T	1,3-Dichloropropane	0.411	0.421	-2.4	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.154	-7.7	86	0.00
59	T	2-Hexanone	0.106	0.113	-6.6	89	0.00
60	T	Dibromochloromethane	0.355	0.363	-2.3	93	0.00
61	T	1,2-Dibromoethane	0.242	0.251	-3.7	94	0.00
62	S	4-Bromofluorobenzene	0.419	0.427	-1.9	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.472	0.493	-4.4	98	0.00
65	PM	Chlorobenzene	1.118	1.132	-1.3	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.398	-1.0	93	0.00
67	C	Ethyl Benzene	1.829	1.898	-3.8#	94	0.00
68	T	m/p-Xylenes	0.728	0.757	-4.0	93	0.00
69	T	o-Xylene	0.671	0.703	-4.8	93	0.00
70	T	Styrene	1.126	1.201	-6.7	93	0.00
71	P	Bromoform	0.229	0.228	0.4	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	3.341	3.491	-4.5	95	0.00
74	T	N-amyl acetate	0.574	0.566	1.4	86	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.550	2.3	90	0.00
76	T	1,2,3-Trichloropropane	0.428	0.437	-2.1	97	0.00
77	T	Bromobenzene	0.844	0.862	-2.1	94	0.00
78	T	n-propylbenzene	3.978	4.189	-5.3	95	0.00
79	T	2-Chlorotoluene	2.314	2.382	-2.9	94	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.903	-5.5	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.180	-1.1	92	0.00
82	T	4-Chlorotoluene	2.405	2.497	-3.8	95	0.00
83	T	tert-Butylbenzene	2.468	2.578	-4.5	93	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.902	-5.4	94	0.00
85	T	sec-Butylbenzene	3.612	3.805	-5.3	95	0.00
86	T	p-Isopropyltoluene	3.067	3.218	-4.9	94	0.00
87	T	1,3-Dichlorobenzene	1.714	1.696	1.1	93	0.00
88	T	1,4-Dichlorobenzene	1.698	1.681	1.0	93	0.00
89	T	n-Butylbenzene	2.742	2.863	-4.4	94	0.00
90	T	Hexachloroethane	0.674	0.674	0.0	95	0.00
91	T	1,2-Dichlorobenzene	1.495	1.505	-0.7	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.089	1.1	95	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.851	-0.5	93	0.00
94	T	Hexachlorobutadiene	0.521	0.520	0.2	98	0.00
95	T	Naphthalene	1.408	1.445	-2.6	91	0.00

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.740	-1.2	94	0.00

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

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	94	0.00
2	T	Dichlorodifluoromethane	50.000	43.929	12.1	89	0.00
3	P	Chloromethane	50.000	44.193	11.6	83	0.00
4	C	Vinyl Chloride	50.000	45.901	8.2#	88	0.00
5	T	Bromomethane	50.000	41.387	17.2	84	0.00
6	T	Chloroethane	50.000	43.970	12.1	85	0.00
7	T	Trichlorofluoromethane	50.000	45.927	8.1	88	0.00
8	T	Diethyl Ether	50.000	45.905	8.2	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.352	5.3	97	0.00
10	T	Methyl Iodide	50.000	48.326	3.3	89	0.00
11	T	Tert butyl alcohol	250.000	231.296	7.5	84	0.00
12	CM	1,1-Dichloroethene	50.000	47.553	4.9#	94	0.00
13	T	Acrolein	250.000	124.956	50.0#	50	0.00
14	T	Allyl chloride	50.000	47.571	4.9	93	0.00
15	T	Acrylonitrile	250.000	235.378	5.8	89	0.00
16	T	Acetone	250.000	257.728	-3.1	92	0.00
17	T	Carbon Disulfide	50.000	44.306	11.4	88	0.01
18	T	Methyl Acetate	50.000	54.193	-8.4	98	0.00
19	T	Methyl tert-butyl Ether	50.000	49.847	0.3	92	0.00
20	T	Methylene Chloride	50.000	45.663	8.7	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.497	5.0	93	0.01
22	T	Diisopropyl ether	50.000	49.807	0.4	93	0.00
23	T	Vinyl Acetate	250.000	244.768	2.1	89	0.00
24	P	1,1-Dichloroethane	50.000	47.860	4.3	94	0.00
25	T	2-Butanone	250.000	238.488	4.6	89	0.00
26	T	2,2-Dichloropropane	50.000	50.391	-0.8	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.965	2.1	93	0.00
28	T	Bromochloromethane	50.000	47.760	4.5	90	0.00
29	T	Tetrahydrofuran	250.000	246.313	1.5	87	0.00
30	C	Chloroform	50.000	48.804	2.4#	95	0.00
31	T	Cyclohexane	50.000	46.963	6.1	95	0.00
32	T	1,1,1-Trichloroethane	50.000	48.496	3.0	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.708	4.6	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35	S	Dibromofluoromethane	50.000	49.177	1.6	89	0.00
36	T	1,1-Dichloropropene	50.000	50.333	-0.7	95	0.00
37	T	Ethyl Acetate	50.000	48.702	2.6	87	0.00
38	T	Carbon Tetrachloride	50.000	50.908	-1.8	96	0.00
39	T	Methylcyclohexane	50.000	51.187	-2.4	94	0.00
40	TM	Benzene	50.000	50.056	-0.1	94	0.00
41	T	Methacrylonitrile	50.000	55.458	-10.9	95	0.00
42	TM	1,2-Dichloroethane	50.000	51.493	-3.0	95	0.00
43	T	Isopropyl Acetate	50.000	49.819	0.4	88	0.00
44	TM	Trichloroethene	50.000	50.021	-0.0	94	0.00
45	C	1,2-Dichloropropane	50.000	51.207	-2.4#	94	0.00
46	T	Dibromomethane	50.000	50.312	-0.6	93	0.00
47	T	Bromodichloromethane	50.000	51.319	-2.6	94	0.00
48	T	Methyl methacrylate	50.000	52.721	-5.4	89	0.00

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	997.352	0.3	91	0.00
50	S	Toluene-d8	50.000	49.907	0.2	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	264.723	-5.9	89	0.00
52	CM	Toluene	50.000	51.956	-3.9#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	51.928	-3.9	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.667	-3.3	94	0.00
55	T	1,1,2-Trichloroethane	50.000	51.742	-3.5	93	0.00
56	T	Ethyl methacrylate	50.000	52.583	-5.2	88	0.00
57	T	1,3-Dichloropropane	50.000	51.177	-2.4	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.418	-7.4	86	0.00
59	T	2-Hexanone	250.000	267.843	-7.1	89	0.00
60	T	Dibromochloromethane	50.000	51.138	-2.3	93	0.00
61	T	1,2-Dibromoethane	50.000	51.775	-3.5	94	0.00
62	S	4-Bromofluorobenzene	50.000	50.932	-1.9	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	52.270	-4.5	98	0.00
65	PM	Chlorobenzene	50.000	50.610	-1.2	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.569	-1.1	93	0.00
67	C	Ethyl Benzene	50.000	51.872	-3.7#	94	0.00
68	T	m/p-Xylenes	100.000	104.029	-4.0	93	0.00
69	T	o-Xylene	50.000	52.398	-4.8	93	0.00
70	T	Styrene	50.000	53.321	-6.6	93	0.00
71	P	Bromoform	50.000	49.915	0.2	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	52.254	-4.5	95	0.00
74	T	N-amyl acetate	50.000	49.288	1.4	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.871	2.3	90	0.00
76	T	1,2,3-Trichloropropane	50.000	51.057	-2.1	97	0.00
77	T	Bromobenzene	50.000	51.057	-2.1	94	0.00
78	T	n-propylbenzene	50.000	52.656	-5.3	95	0.00
79	T	2-Chlorotoluene	50.000	51.489	-3.0	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.733	-5.5	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.520	-1.0	92	0.00
82	T	4-Chlorotoluene	50.000	51.909	-3.8	95	0.00
83	T	tert-Butylbenzene	50.000	52.224	-4.4	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.705	-5.4	94	0.00
85	T	sec-Butylbenzene	50.000	52.666	-5.3	95	0.00
86	T	p-Isopropyltoluene	50.000	52.460	-4.9	94	0.00
87	T	1,3-Dichlorobenzene	50.000	49.477	1.0	93	0.00
88	T	1,4-Dichlorobenzene	50.000	49.489	1.0	93	0.00
89	T	n-Butylbenzene	50.000	52.205	-4.4	94	0.00
90	T	Hexachloroethane	50.000	50.010	-0.0	95	0.00
91	T	1,2-Dichlorobenzene	50.000	50.315	-0.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.642	0.7	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.241	-0.5	93	0.00
94	T	Hexachlorobutadiene	50.000	49.910	0.2	98	0.00
95	T	Naphthalene	50.000	51.336	-2.7	91	0.00

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.599	-1.2	94	0.00

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

QC SAMPLE DATA

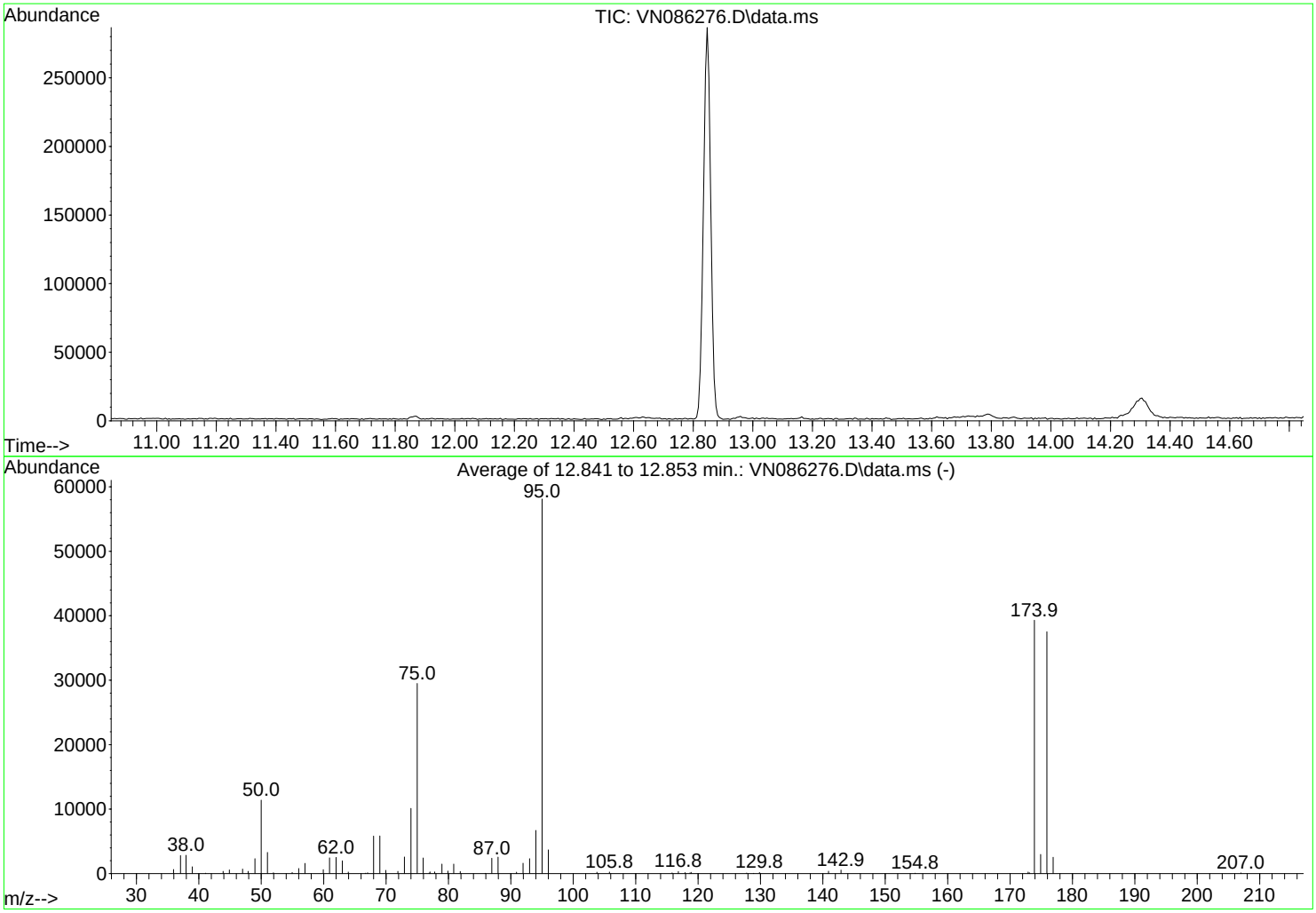
Sample Results: **VN086276.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086276.D
Acq On : 15 Apr 2025 10:47
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	11398	PASS
75	95	30	60	50.8	29499	PASS
95	95	100	100	100.0	58112	PASS
96	95	5	9	6.3	3682	PASS
173	174	0.00	2	0.6	240	PASS
174	95	50	100	67.6	39296	PASS
175	174	5	9	7.6	2977	PASS
176	174	95	101	95.5	37528	PASS
177	176	5	9	6.7	2533	PASS

Average of 12.841 to 12.853 min.: VN086276.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	635	51.00	3286	67.05	140	77.80	27
37.05	2796	51.95	128	68.00	5813	78.95	147
37.95	2853	54.95	179	69.00	5847	79.90	39
38.95	1053	56.00	804	69.95	514	80.85	148
41.10	67	57.00	1592	71.90	363	81.90	335
43.90	345	59.95	619	72.95	2581	85.90	51
44.90	579	60.95	2450	74.00	10128	86.95	2372
47.00	701	62.00	2513	75.00	29499	87.95	2557
47.90	354	63.00	1986	75.95	2430	90.90	233
49.00	2323	63.95	246	76.90	99	91.95	1612
50.00	11398	66.70	59	77.05	268	93.00	2327

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086276.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	6693	128.90	53	207.00	112		
95.00	58112	129.85	189				
96.00	3682	140.90	380				
103.80	224	142.90	552				
105.80	239	154.80	75				
115.85	118	172.90	240				
116.85	326	173.10	131				
117.90	152	173.90	39296				
118.70	112	174.90	2977				
118.90	196	175.90	37528				
127.80	80	176.90	2533				

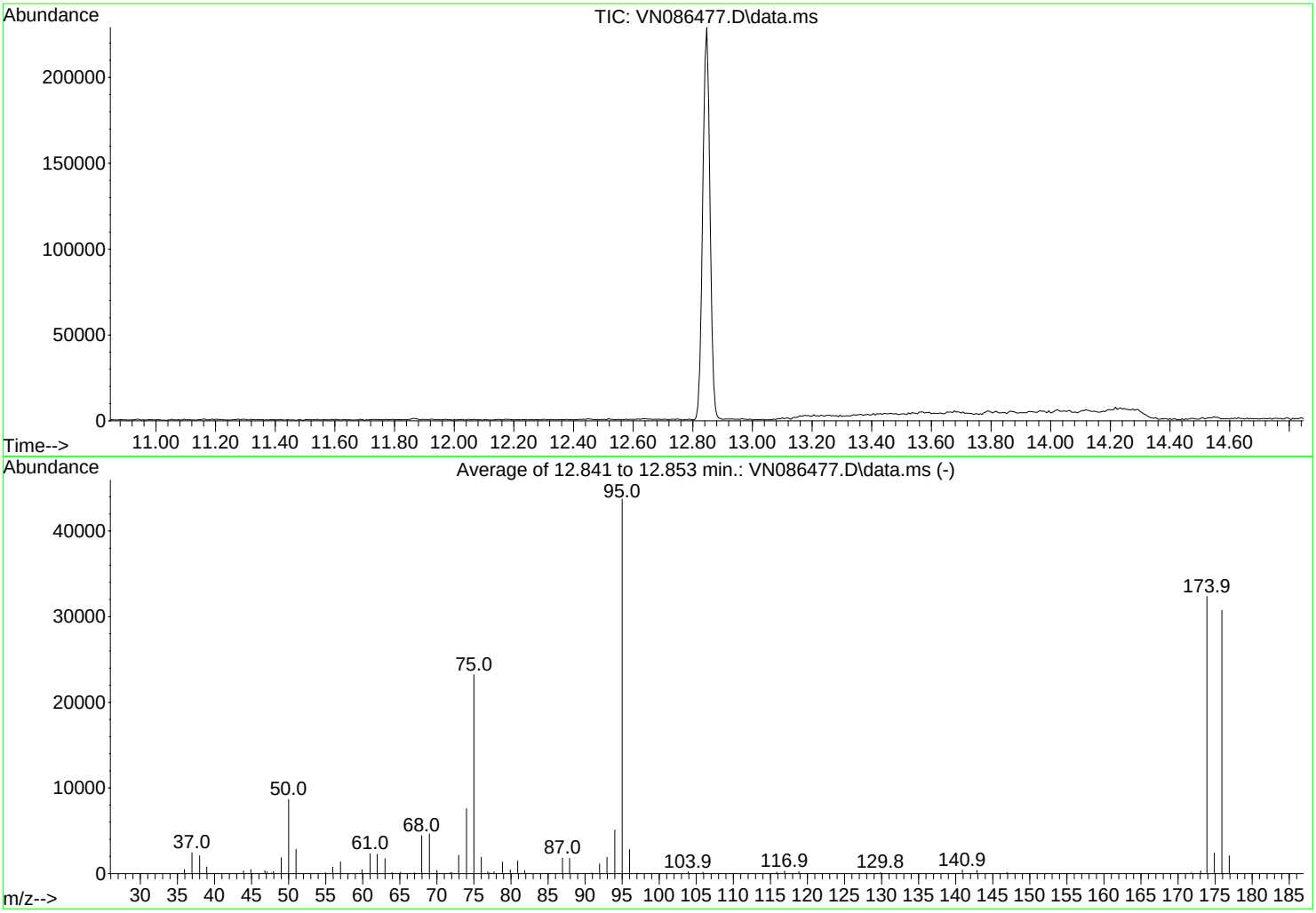
Sample Results: **VN086477.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086477.D
Acq On : 05 May 2025 10:23
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	8661	PASS
75	95	30	60	53.1	23221	PASS
95	95	100	100	100.0	43739	PASS
96	95	5	9	6.4	2801	PASS
173	174	0.00	2	1.0	319	PASS
174	95	50	100	74.0	32349	PASS
175	174	5	9	7.4	2398	PASS
176	174	95	101	95.0	30739	PASS
177	176	5	9	6.8	2079	PASS

Average of 12.841 to 12.853 min.: VN086477.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	478	50.00	8661	66.95	115	77.10	10
36.95	2433	51.00	2835	67.95	4441	77.70	21
38.00	2086	54.95	140	69.00	4646	78.85	134
38.95	787	55.95	782	70.00	386	79.90	43
43.90	320	57.00	1377	71.80	89	80.90	1487
44.90	463	59.90	462	71.95	170	81.85	333
46.80	352	61.00	2317	72.95	2149	86.95	1803
47.10	210	61.95	2250	74.00	7577	87.90	1800
47.70	83	63.00	1766	75.00	23221	90.90	107
47.95	261	63.95	129	76.00	1918	91.95	1145
49.00	1858	65.10	145	76.85	201	92.95	1909

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086477.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	5096	140.90	431				
95.00	43739	142.85	380				
96.00	2801	146.90	148				
97.00	64	171.75	119				
103.90	213	172.00	59				
105.90	178	173.05	319				
115.85	164	173.90	32349				
116.90	299	174.90	2398				
118.85	240	175.90	30739				
127.90	50	176.90	2079				
129.85	136						

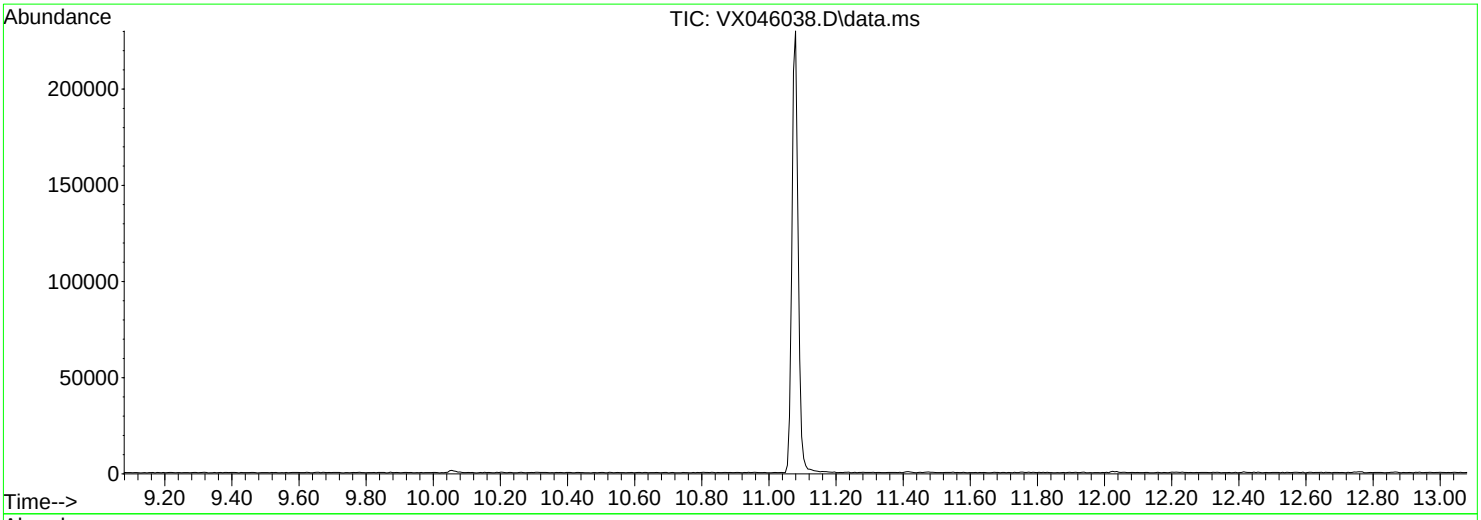
Sample Results: **VX046038.D**

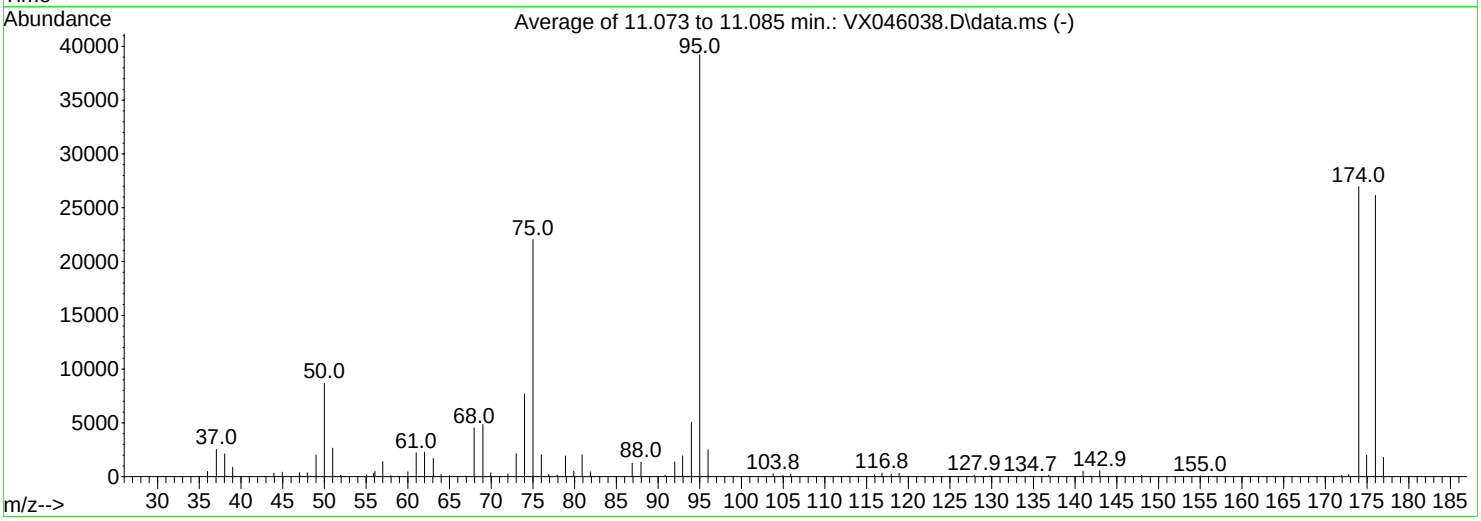
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046038.D
Acq On : 05 May 2025 09:37
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	8676	PASS
75	95	30	60	56.2	22052	PASS
95	95	100	100	100.0	39213	PASS
96	95	5	9	6.4	2505	PASS
173	174	0.00	2	0.7	185	PASS
174	95	50	100	68.8	26963	PASS
175	174	5	9	7.3	1980	PASS
176	174	95	101	97.0	26147	PASS
177	176	5	9	6.9	1802	PASS

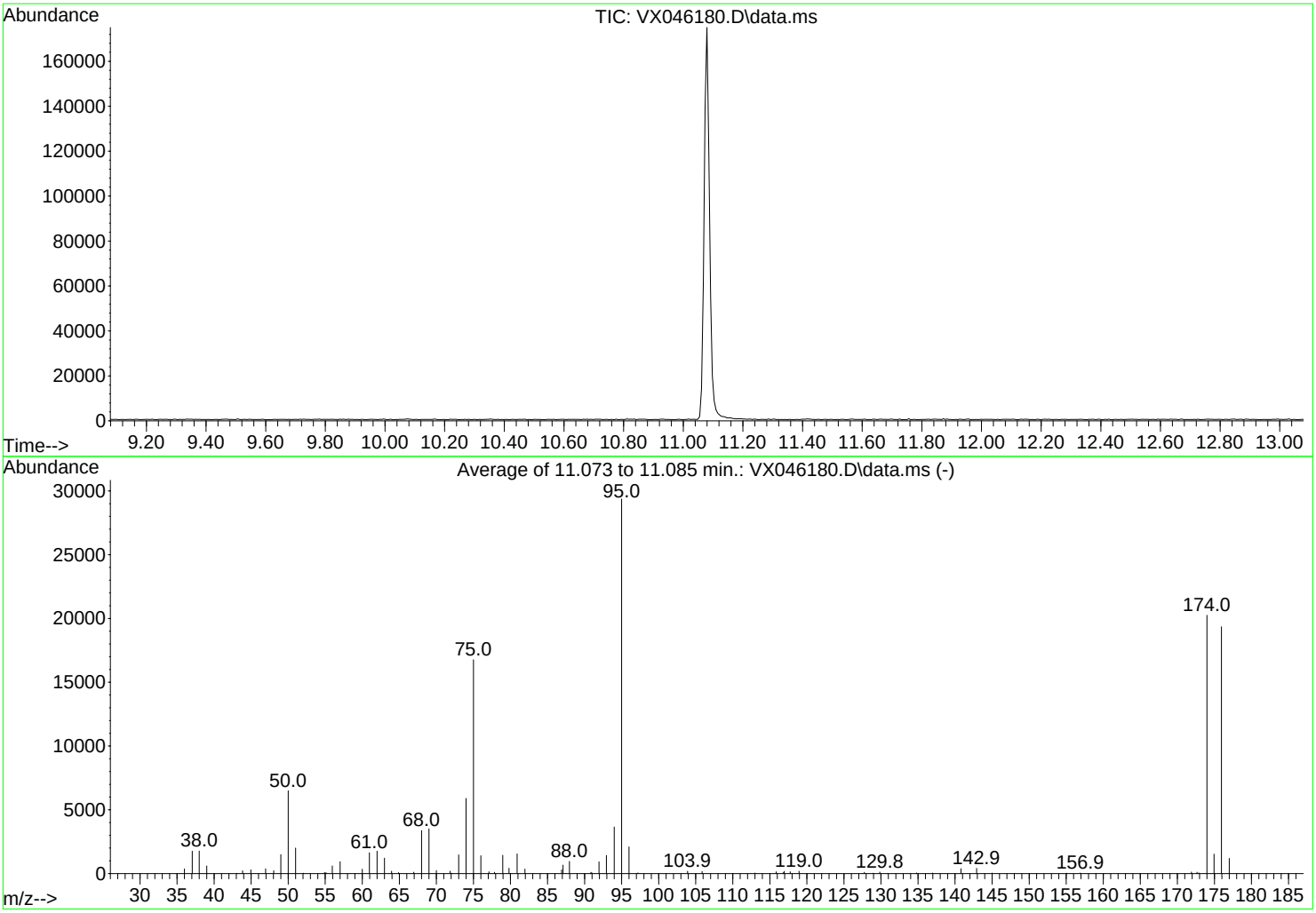
Sample Results: **VX046180.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046180.D
Acq On : 14 May 2025 09:29
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	6493	PASS
75	95	30	60	57.1	16768	PASS
95	95	100	100	100.0	29365	PASS
96	95	5	9	7.1	2092	PASS
173	174	0.00	2	0.3	55	PASS
174	95	50	100	69.0	20256	PASS
175	174	5	9	7.5	1526	PASS
176	174	95	101	95.5	19353	PASS
177	176	5	9	6.2	1196	PASS

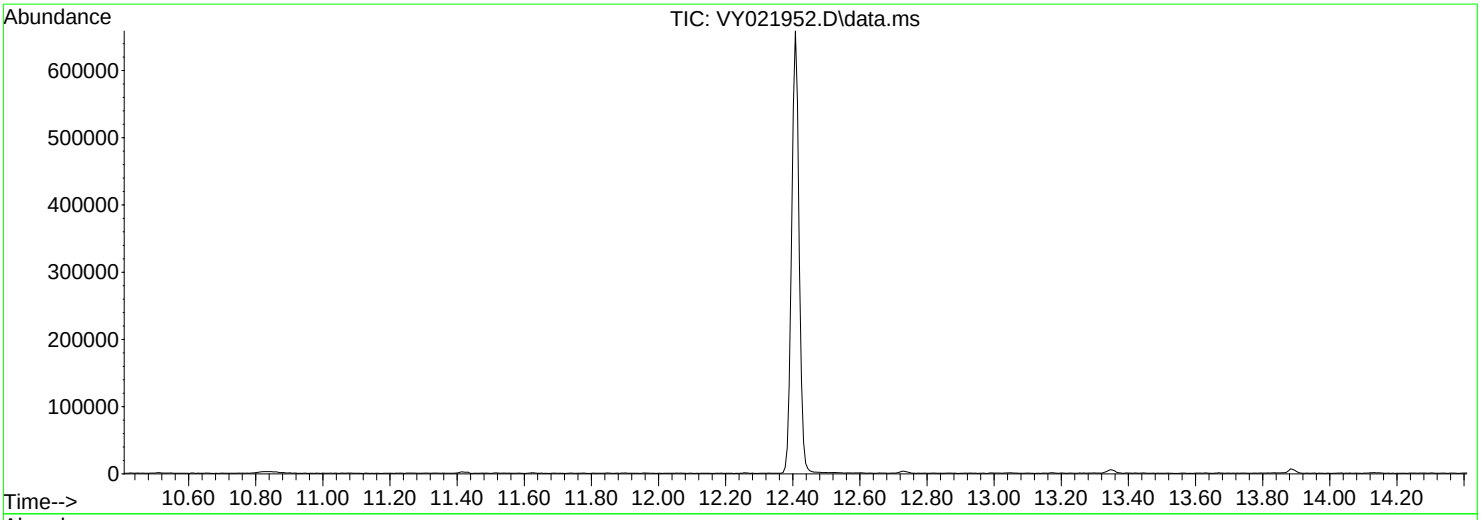
Sample Results: **VY021952.D**

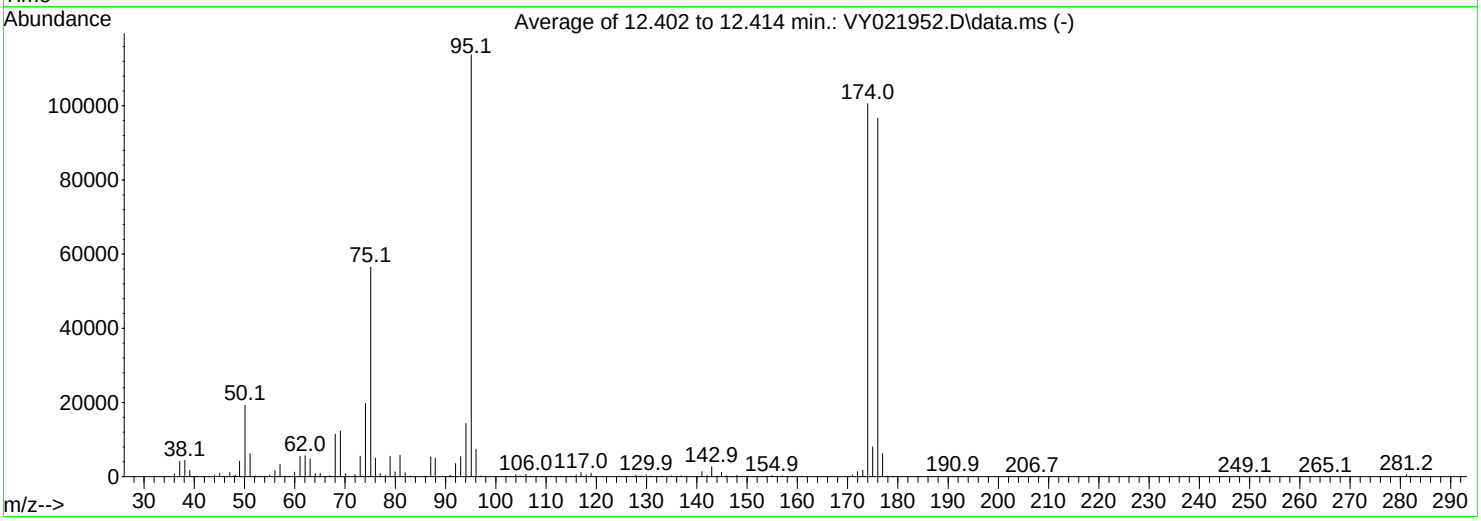
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021952.D
Acq On : 22 Apr 2025 11:33
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	19237	PASS
75	95	30	60	49.7	56504	PASS
95	95	100	100	100.0	113749	PASS
96	95	5	9	6.5	7410	PASS
173	174	0.00	2	1.7	1741	PASS
174	95	50	100	88.4	100587	PASS
175	174	5	9	8.0	8046	PASS
176	174	95	101	96.1	96621	PASS
177	176	5	9	6.4	6205	PASS

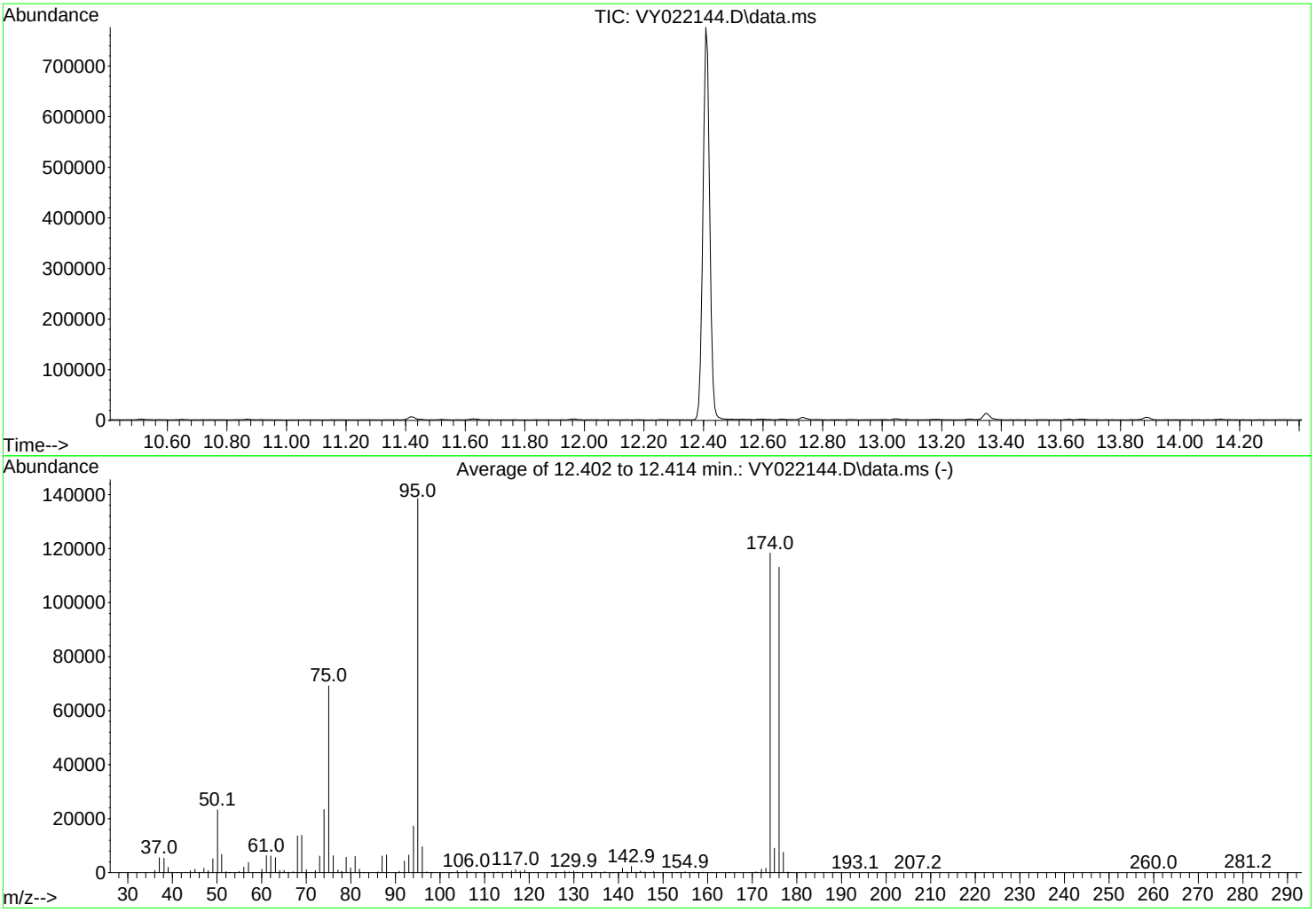
Sample Results: **VY022144.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022144.D
Acq On : 05 May 2025 08:15
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	23243	PASS
75	95	30	60	49.9	69173	PASS
95	95	100	100	100.0	138573	PASS
96	95	5	9	7.0	9645	PASS
173	174	0.00	2	1.4	1687	PASS
174	95	50	100	85.4	118339	PASS
175	174	5	9	7.7	9061	PASS
176	174	95	101	95.6	113131	PASS
177	176	5	9	6.7	7536	PASS

Raw Data: **VN086480.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBL01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086480.D	1		05/05/25 12:38	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBL01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086480.D	1		05/05/25 12:38	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	60.2		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	50.8		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	8.224			
540-36-3	1,4-Difluorobenzene	296000	9.1			
3114-55-4	Chlorobenzene-d5	275000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788			

Raw Data: **VN086480.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBL01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086480.D	1		05/05/25 12:38	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086480.D
Acq On : 05 May 2025 12:38
Operator : JC\MD
Sample : VN0505WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Quant Time: May 06 01:43:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

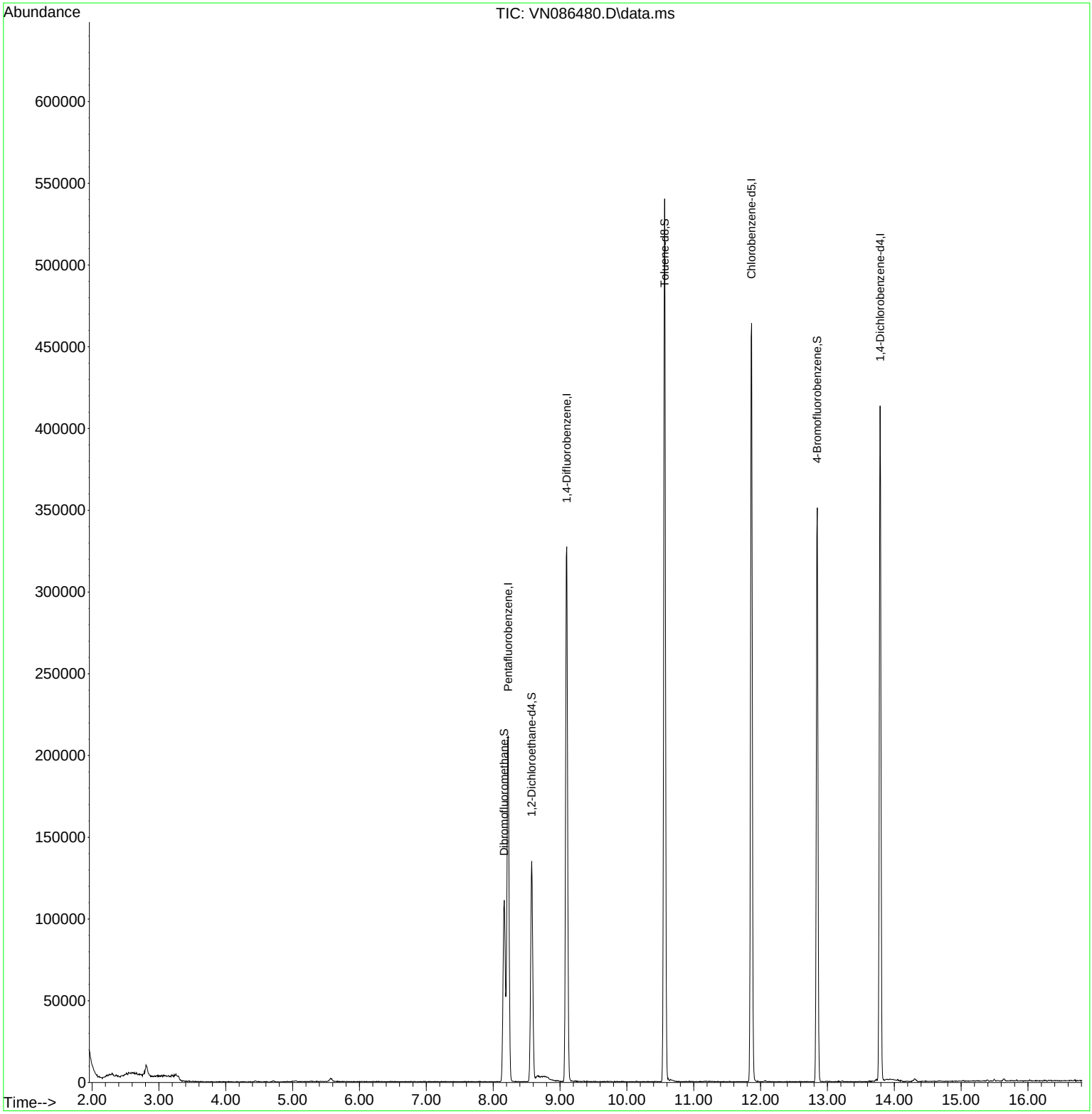
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	156438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111180	49.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.020%			
35) Dibromofluoromethane	8.165	113	82766	60.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 120.380%			
50) Toluene-d8	10.565	98	373128	50.772	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.847	95	126773	47.294	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.580%			
Target Compounds						Qvalue

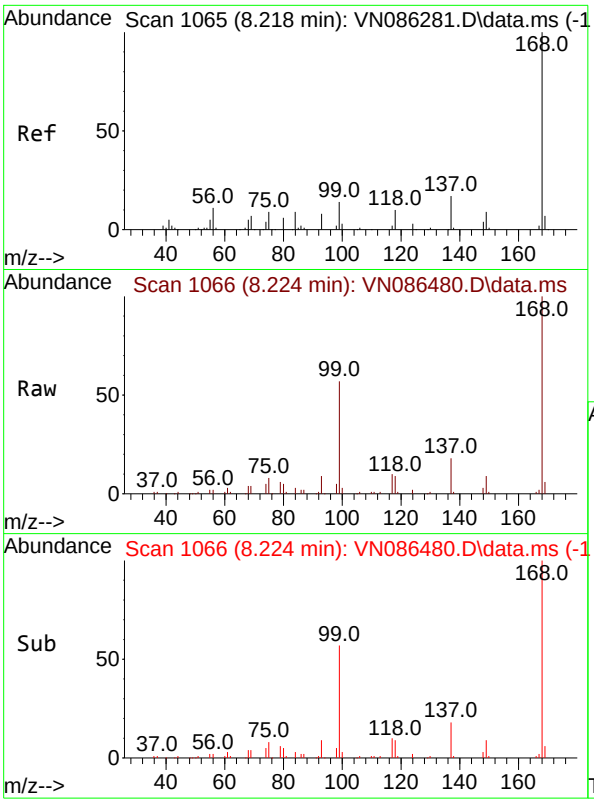
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086480.D
Acq On : 05 May 2025 12:38
Operator : JC\MD
Sample : VN0505WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Quant Time: May 06 01:43:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



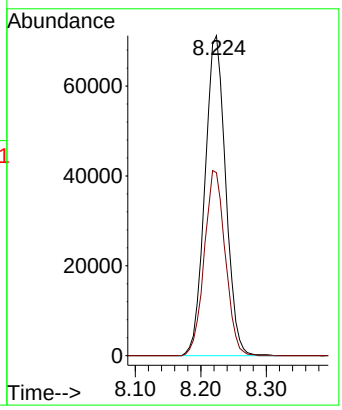


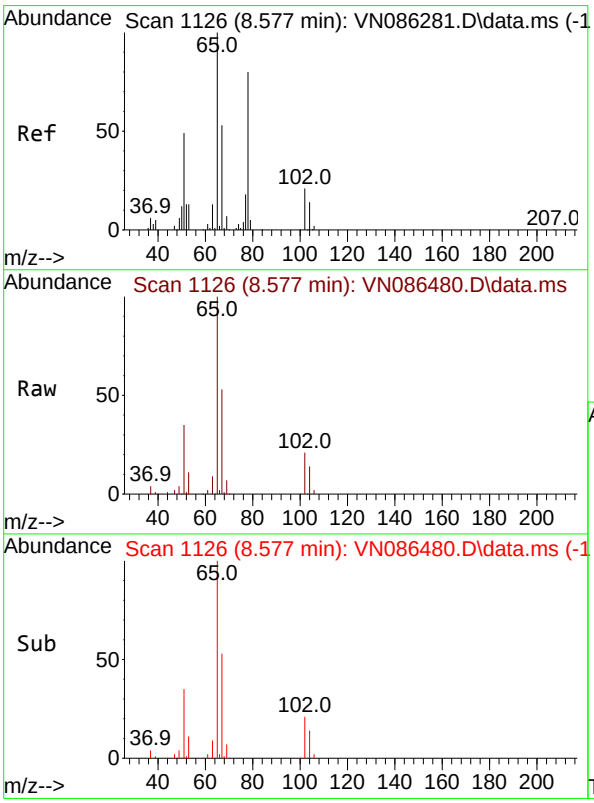
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Tgt Ion:168 Resp: 156438

Ion	Ratio	Lower	Upper
168	100		
99	57.2	52.5	78.7

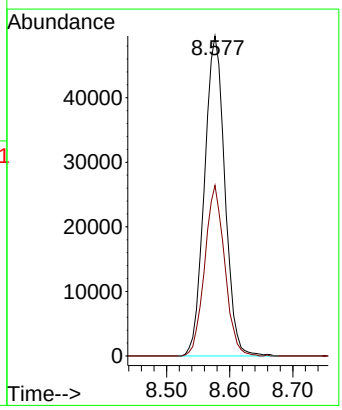


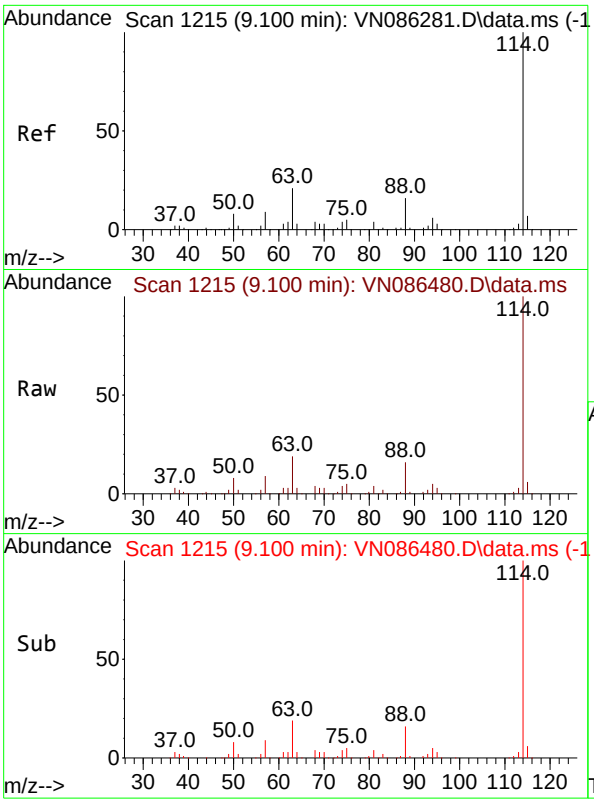


#33
1,2-Dichloroethane-d4
Concen: 49.011 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion: 65 Resp: 111180

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.0



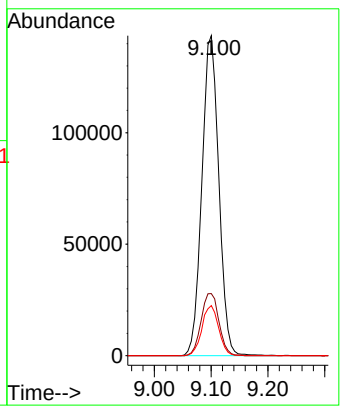


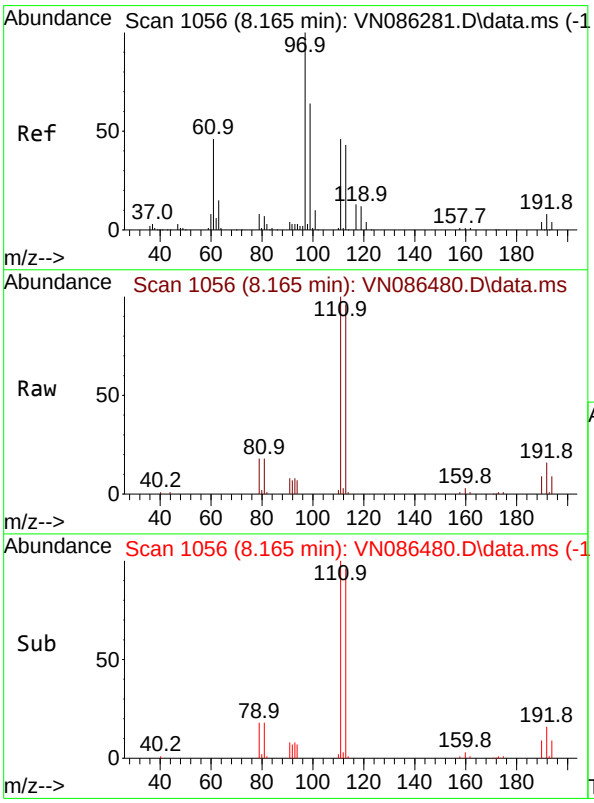
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Tgt Ion:114 Resp: 296282

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	42.6
88	15.6	0.0	31.8

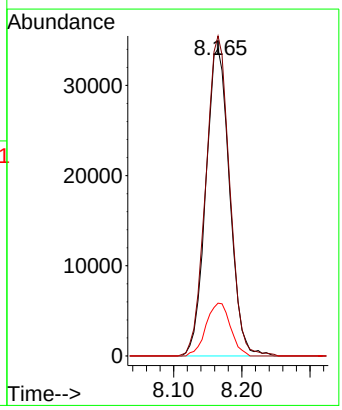


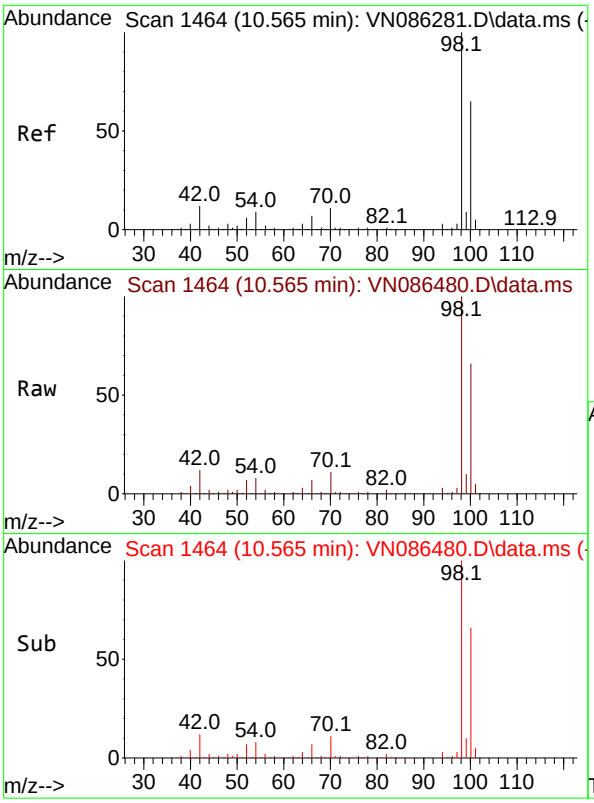


#35
Dibromofluoromethane
Concen: 60.190 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion:113 Resp: 82766

Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.4	125.0
192	17.6	13.7	20.5



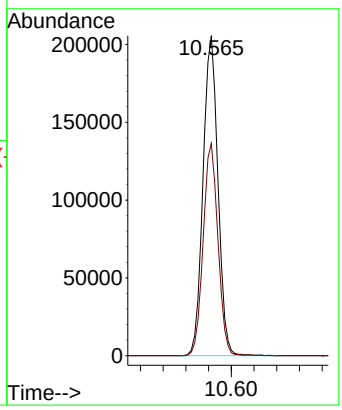


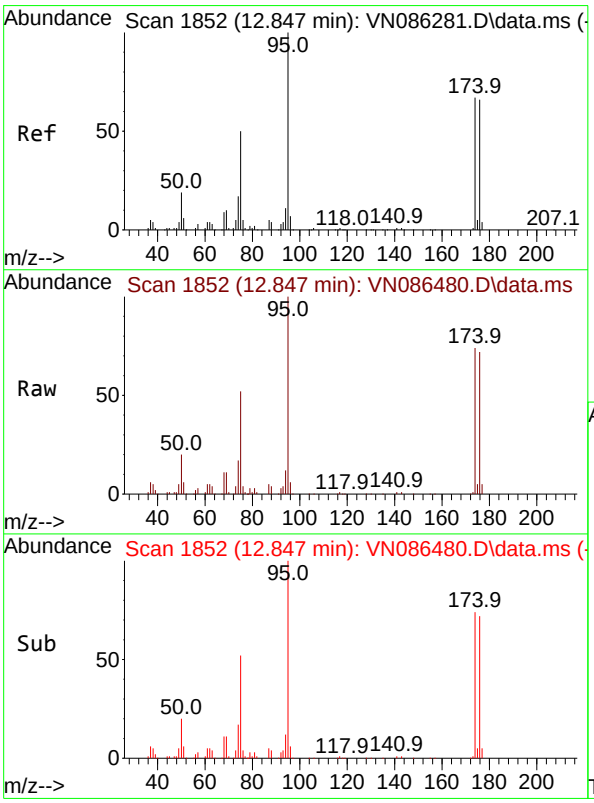
#50
Toluene-d8
Concen: 50.772 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Tgt Ion: 98 Resp: 373128

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7

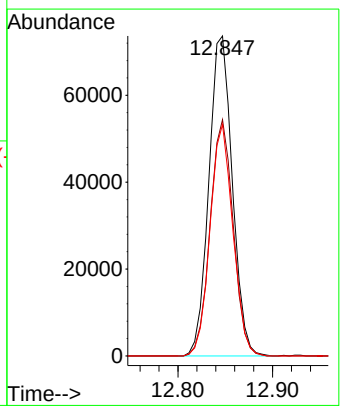


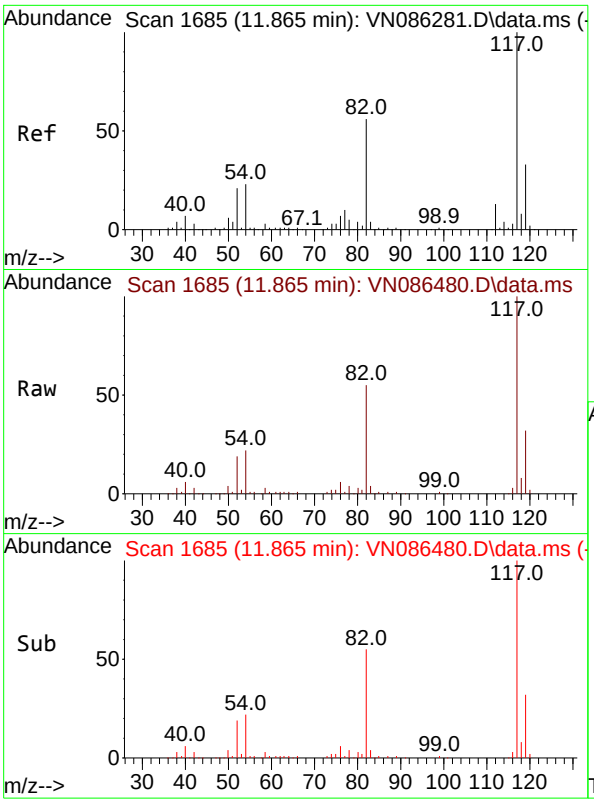


#62
4-Bromofluorobenzene
Concen: 47.294 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion: 95 Resp: 126773

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	133.4
176	70.3	0.0	129.2



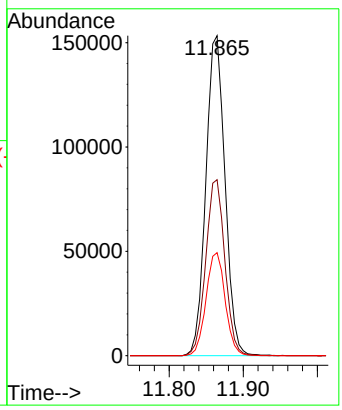


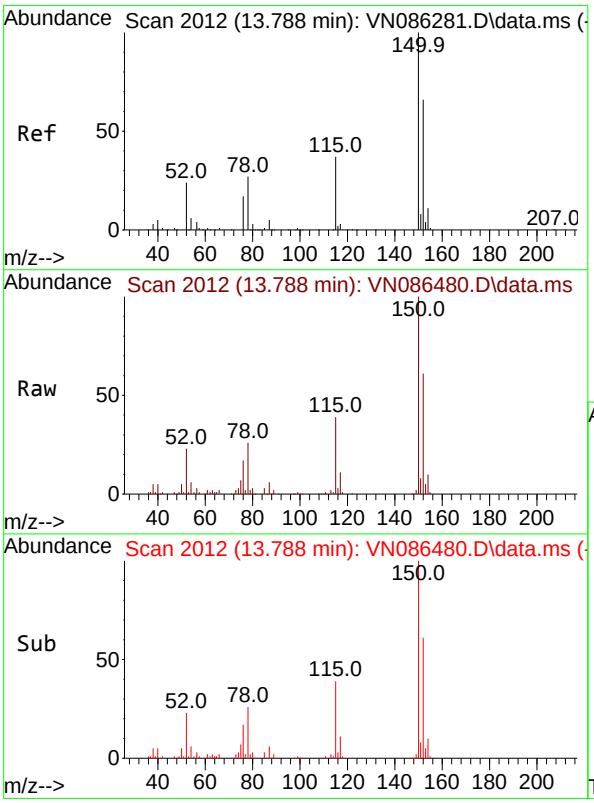
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Tgt Ion:117 Resp: 275019

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.7	67.1
119	32.2	26.4	39.6

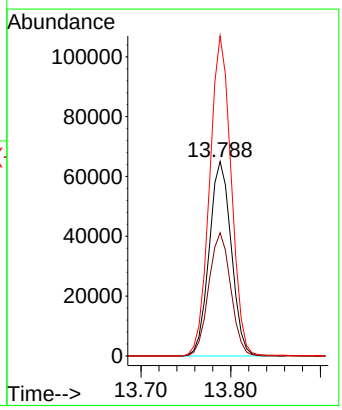




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion:152 Resp: 110905

Ion	Ratio	Lower	Upper
152	100		
115	63.1	31.9	95.9
150	161.2	0.0	352.0



Sample Results: **VN086480.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086480.D
Acq On : 05 May 2025 12:38
Operator : JC\MD
Sample : VN0505WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

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_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086480.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.807	139	145	155	rVB	6521	15917	1.63%	0.330%
2	8.165	1046	1056	1060	rBV	110920	260841	26.74%	5.404%
3	8.224	1060	1066	1078	rVB	211373	467339	47.91%	9.682%
4	8.577	1115	1126	1135	rBV	134920	301530	30.91%	6.247%
5	9.100	1206	1215	1226	rBV	327160	678576	69.57%	14.058%
6	10.565	1455	1464	1472	rBV	540096	975353	100.00%	20.207%
7	11.865	1676	1685	1699	rVB	463823	836615	85.78%	17.332%
8	12.847	1844	1852	1861	rBV	351095	594994	61.00%	12.327%
9	13.788	2005	2012	2023	rVB	412591	695743	71.33%	14.414%

Sum of corrected areas: 4826908

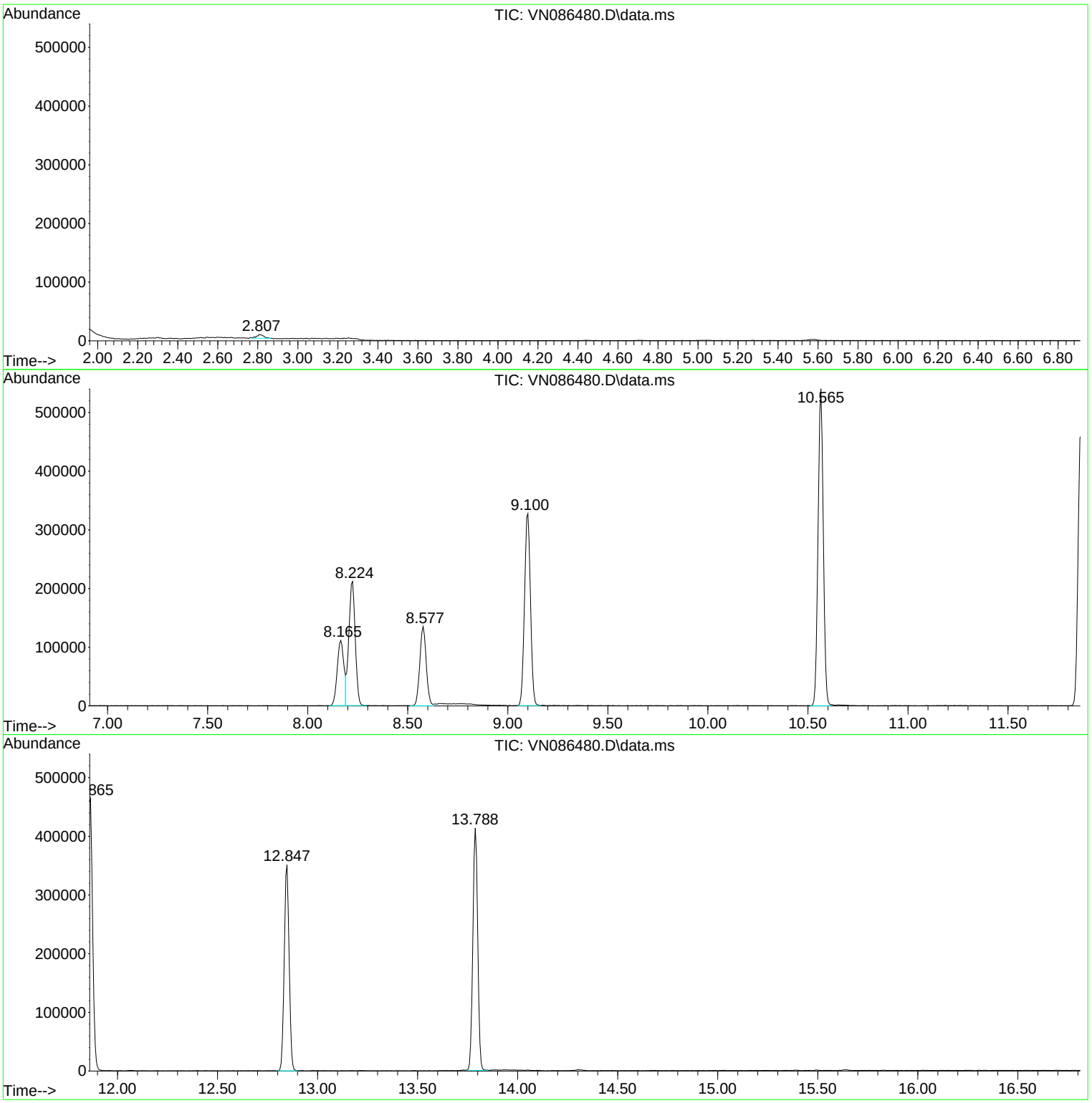
Sample Results: **VN086480.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086480.D
Acq On : 05 May 2025 12:38
Operator : JC\MD
Sample : VN0505WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN086480.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086480.D
Acq On : 05 May 2025 12:38
Operator : JC\MD
Sample : VN0505WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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_N\Data\VN050525\
Data File : VN086480.D
Acq On : 05 May 2025 12:38
Operator : JC\MD
Sample : VN0505WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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: **VX046183.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBL01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046183.D	1		05/14/25 10:50	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

Raw Data: **VX046183.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBL01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046183.D	1		05/14/25 10:50	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66100	5.55			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	124000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	54700	12.018			

Raw Data: **VX046183.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBL01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046183.D	1		05/14/25 10:50	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Time: May 15 01:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	66143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66199	53.684	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.360%			
35) Dibromofluoromethane	5.379	113	49039	51.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.400%			
50) Toluene-d8	8.647	98	165941	50.058	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.120%			
62) 4-Bromofluorobenzene	11.079	95	64922	51.057	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.120%			

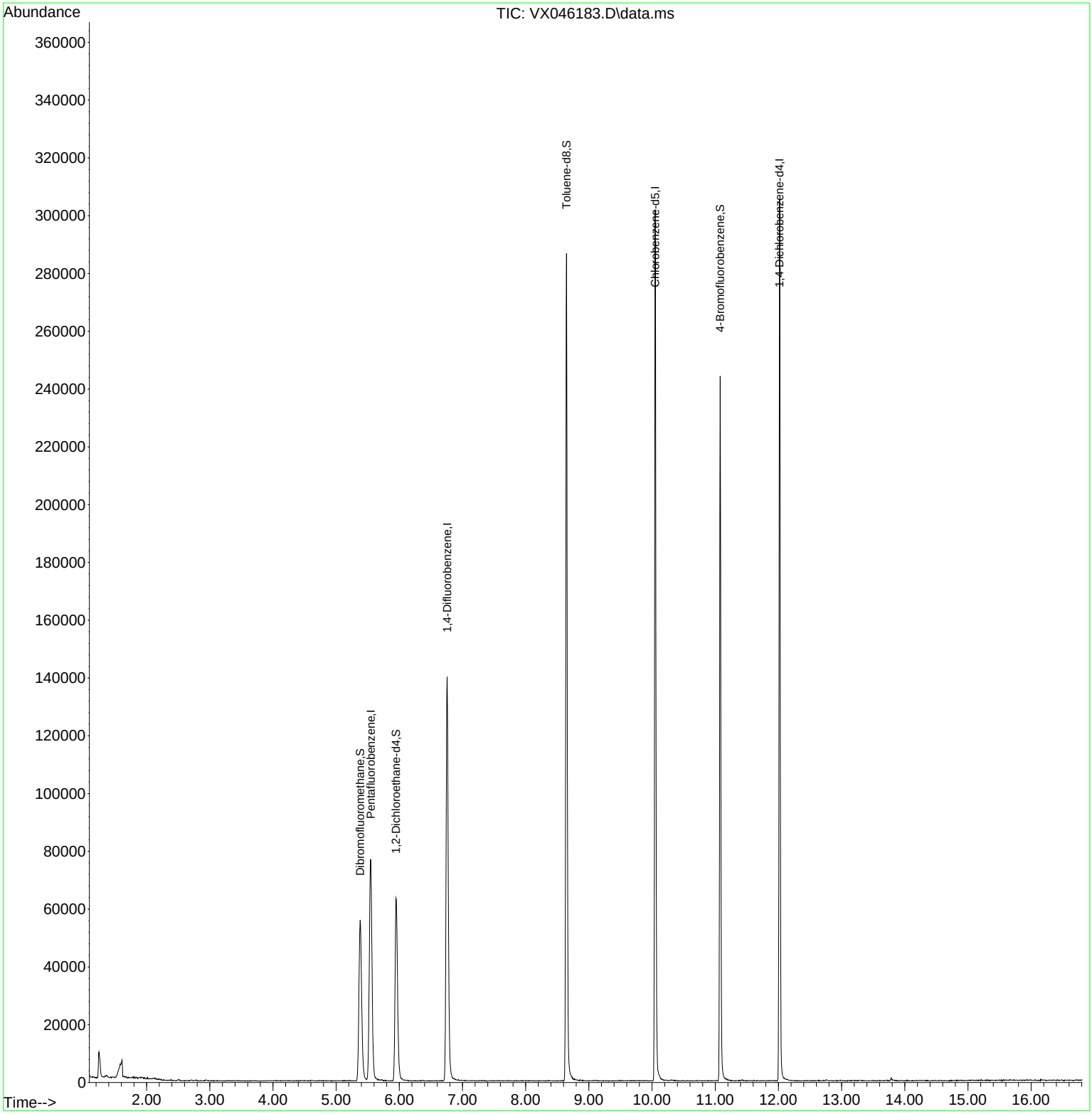
Target Compounds Qvalue

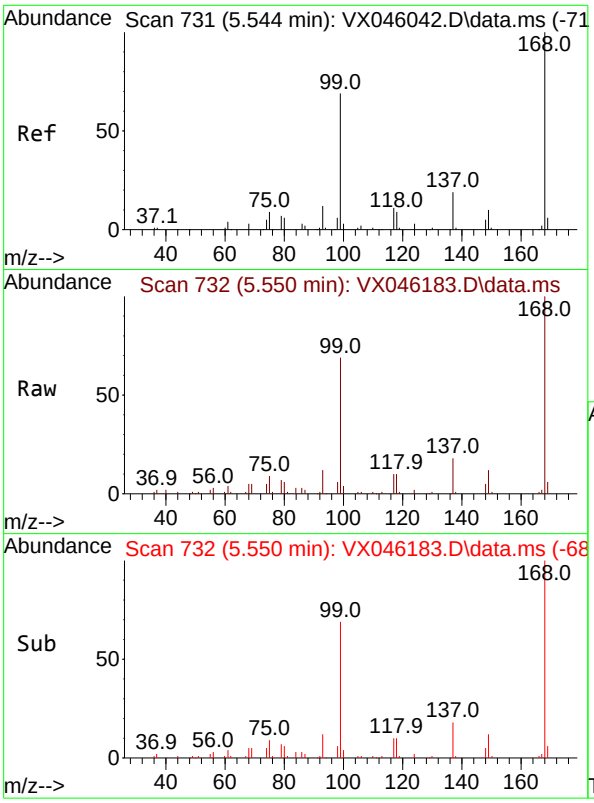
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Time: May 15 01:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



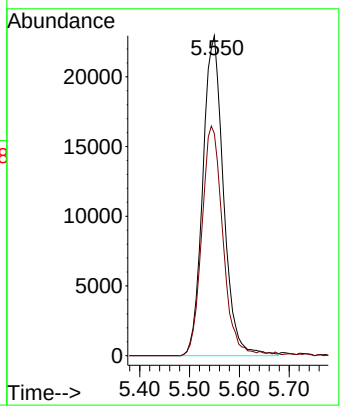


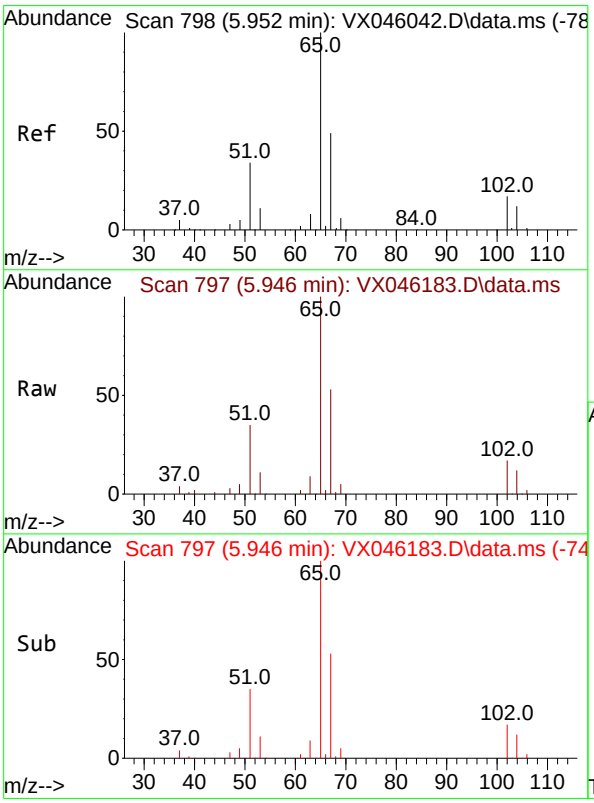
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Tgt Ion:168 Resp: 66143

Ion	Ratio	Lower	Upper
168	100		
99	69.4	54.9	82.3

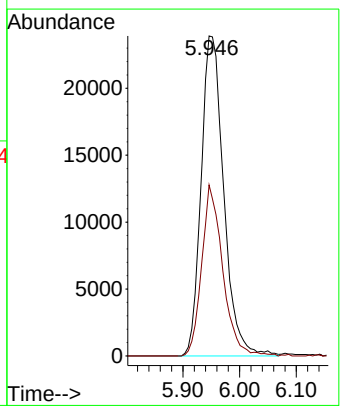


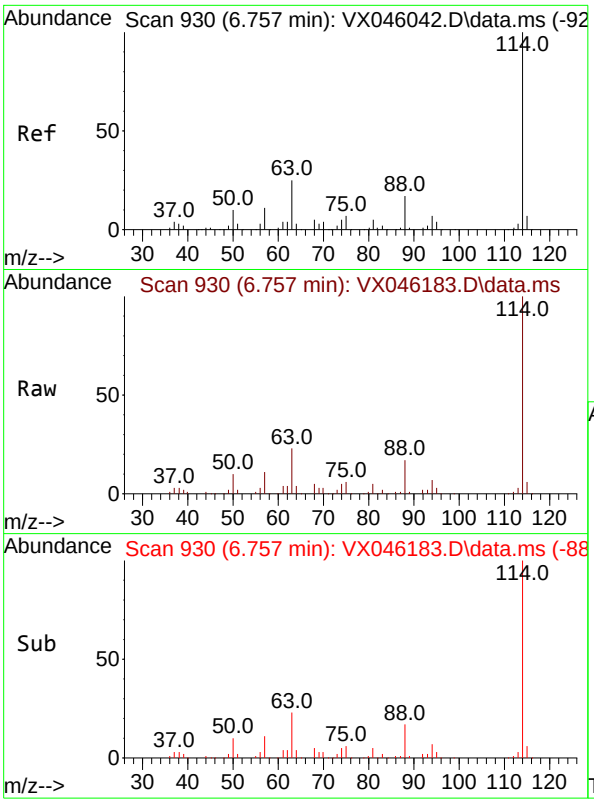


#33
1,2-Dichloroethane-d4
Concen: 53.684 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Tgt Ion: 65 Resp: 66199

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	99.0



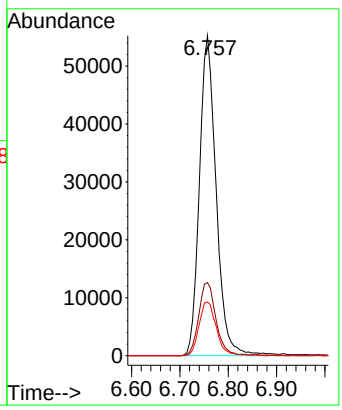


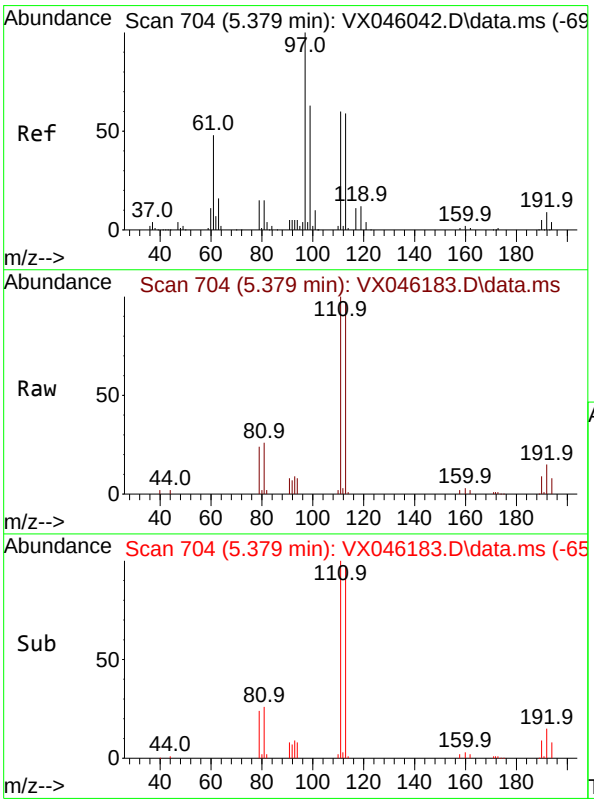
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Tgt Ion:114 Resp: 133003

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	49.2
88	16.8	0.0	33.6

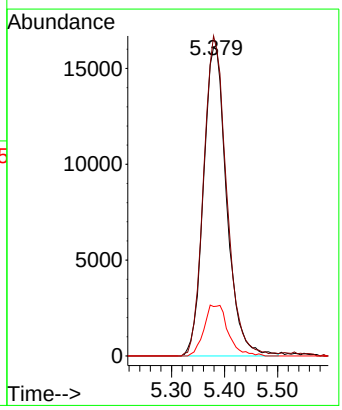


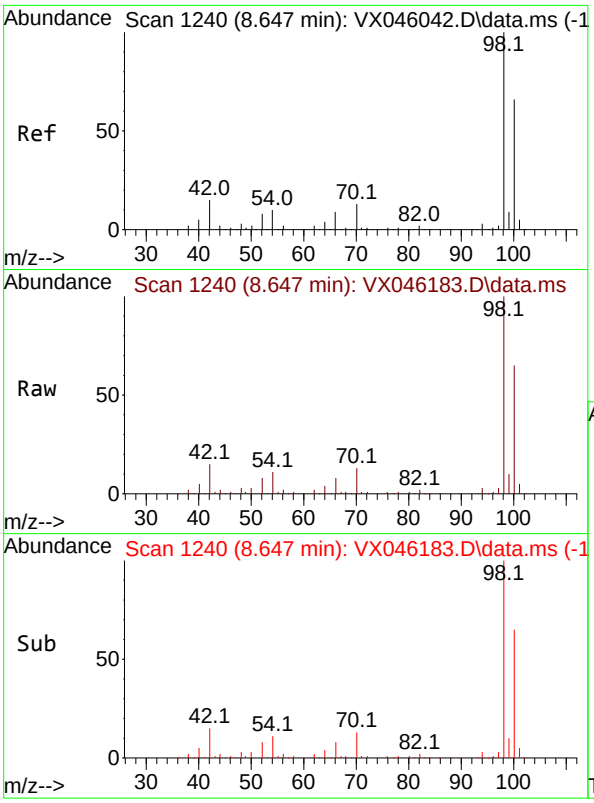


#35
Dibromofluoromethane
Concen: 51.202 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Tgt Ion:113 Resp: 49039

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.1	124.7
192	17.0	13.3	19.9



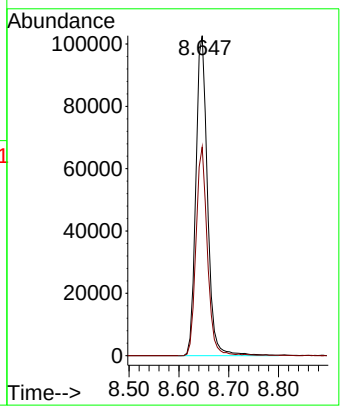


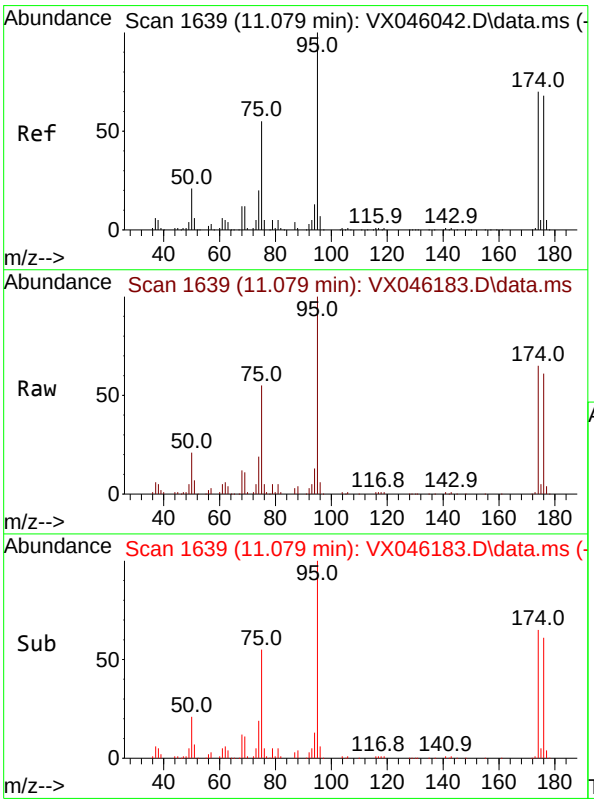
#50
Toluene-d8
Concen: 50.058 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Tgt Ion: 98 Resp: 165941

Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.5	80.3

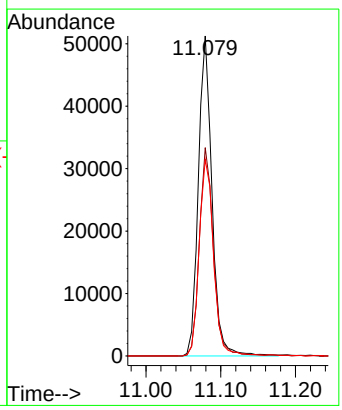


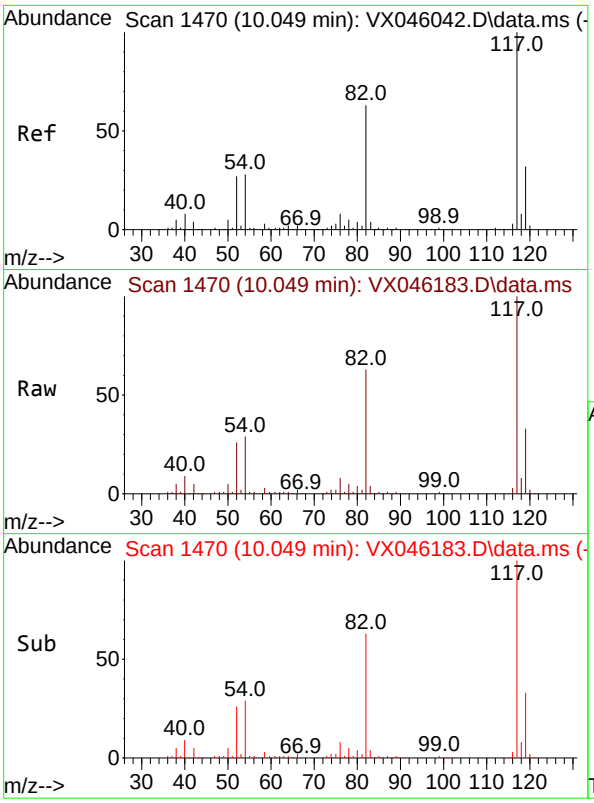


#62
4-Bromofluorobenzene
Concen: 51.057 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Tgt Ion: 95 Resp: 64922

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	135.8
176	64.8	0.0	131.4



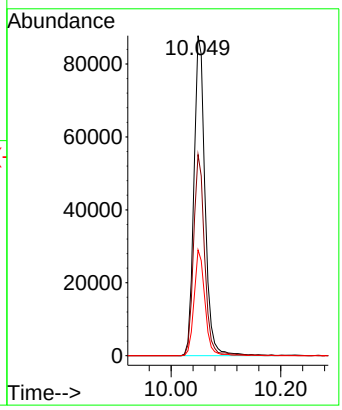


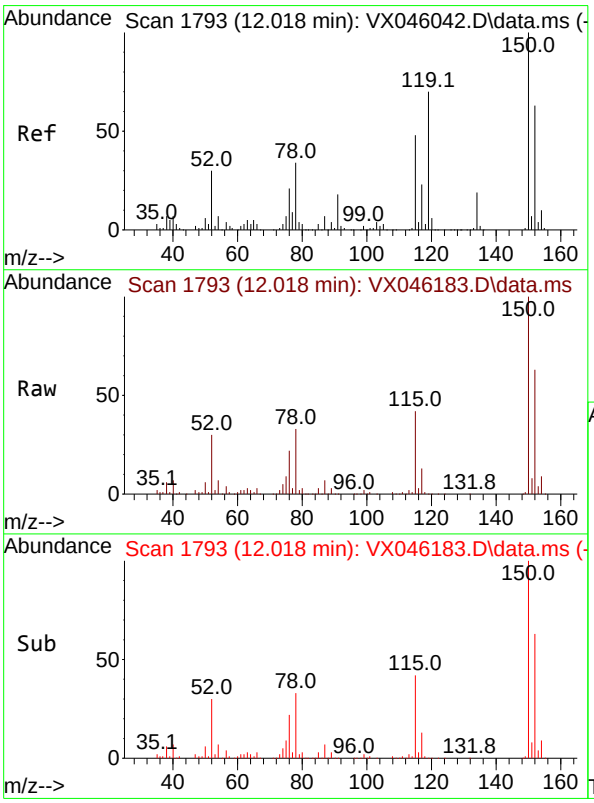
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Tgt Ion:117 Resp: 124085

Ion	Ratio	Lower	Upper
117	100		
82	62.8	50.6	76.0
119	33.1	25.8	38.6

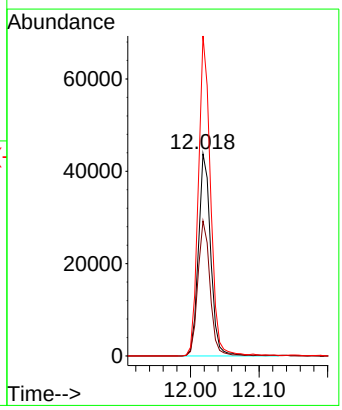




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Tgt Ion:152 Resp: 54666

Ion	Ratio	Lower	Upper
152	100		
115	66.4	46.9	140.7
150	156.1	0.0	351.0



Sample Results: **VX046183.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

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_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046183.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.246	22	26	35	rBV2	8812	16550	3.60%	0.661%
2	1.581	70	81	82	rBV4	4596	10548	2.29%	0.421%
3	1.611	84	86	88	rVB2	5780	5063	1.10%	0.202%
4	5.379	694	704	721	rBV	55690	167226	36.34%	6.678%
5	5.544	721	731	749	rVB3	76438	222483	48.34%	8.885%
6	5.946	788	797	811	rBV	63312	172222	37.42%	6.878%
7	6.757	920	930	945	rBV	139913	337823	73.40%	13.491%
8	8.647	1234	1240	1256	rBV	286218	460221	100.00%	18.379%
9	10.049	1465	1470	1491	rBV	301357	423282	91.97%	16.904%
10	11.079	1634	1639	1652	rBV	243880	316192	68.70%	12.627%
11	12.018	1788	1793	1804	rBV	305205	372457	80.93%	14.874%

Sum of corrected areas: 2504067

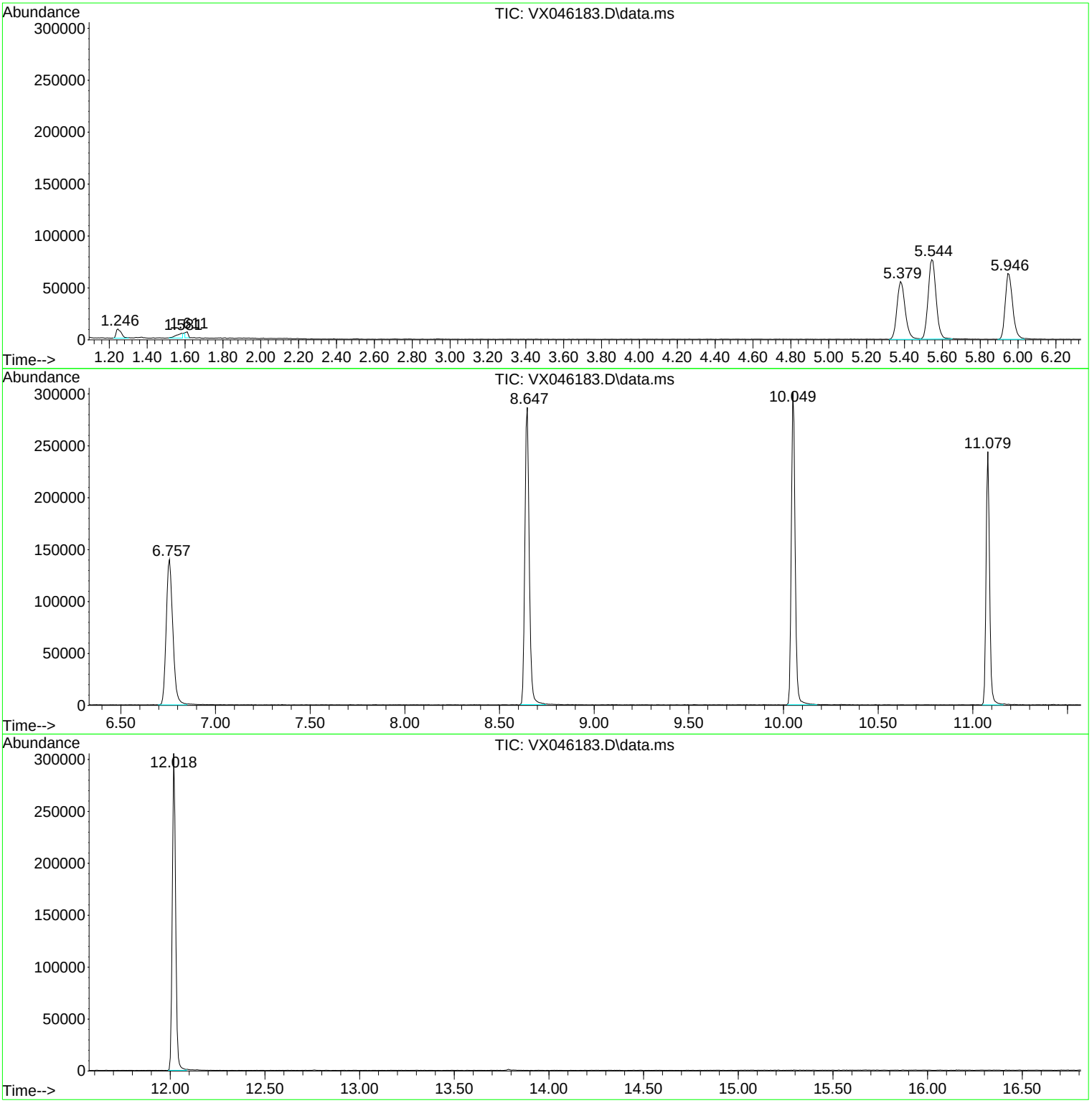
Sample Results: **VX046183.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046183.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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: **VY022146.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022146.D	1		05/05/25 09:24	VY050525

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

Raw Data: **VY022146.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022146.D	1		05/05/25 09:24	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.00	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	25.0	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	5.00	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	5.00	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	5.00	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	5.00	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	10.0	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	5.00	U	0.82	5.00	ug/Kg
100-42-5	Styrene	5.00	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	5.00	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.00	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.00	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.00	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.00	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	46.5		74 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		38 - 136	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	329000	7.713			
540-36-3	1,4-Difluorobenzene	599000	8.616			
3114-55-4	Chlorobenzene-d5	512000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	192000	13.346			

Raw Data: **VY022146.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022146.D	1		05/05/25 09:24	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Time: May 06 05:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	329285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	599236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	511500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151518	49.816	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.640%			
35) Dibromofluoromethane	7.634	113	198164	50.056	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.120%			
50) Toluene-d8	10.109	98	694430	46.528	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.060%			
62) 4-Bromofluorobenzene	12.408	95	277751	55.281	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.560%			

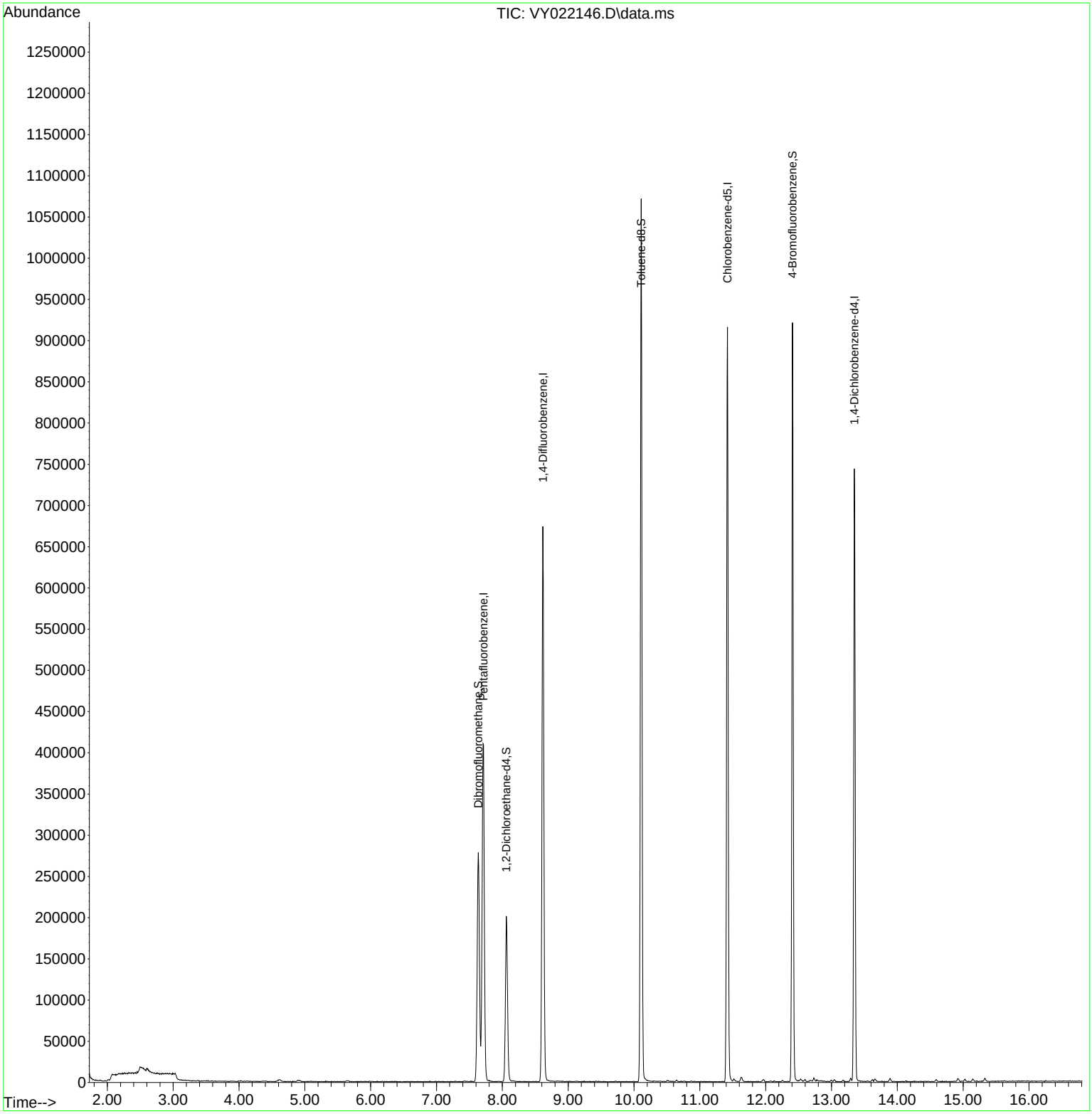
Target Compounds Qvalue

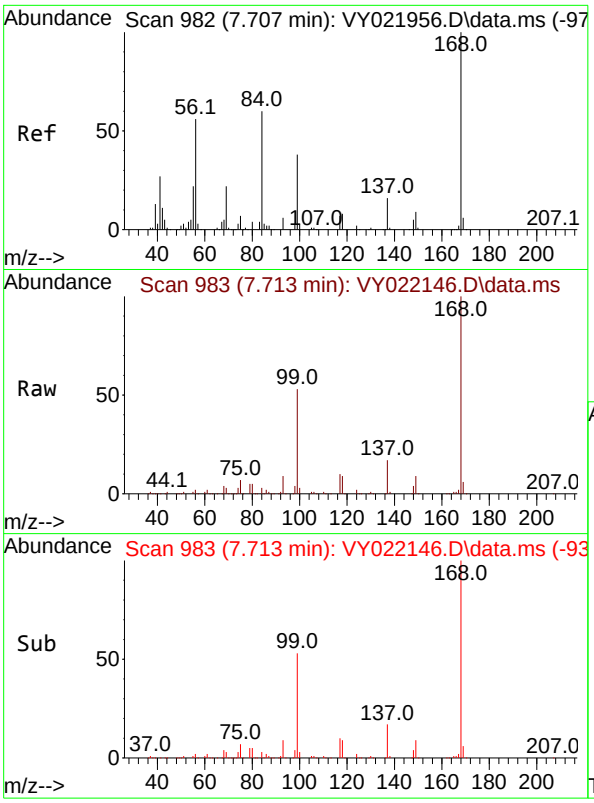
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Time: May 06 05:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



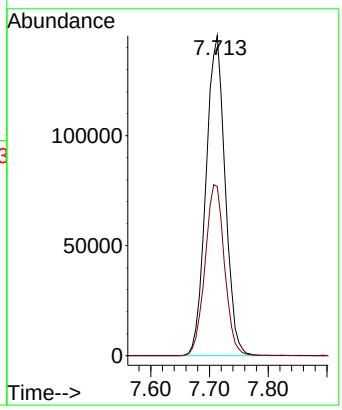


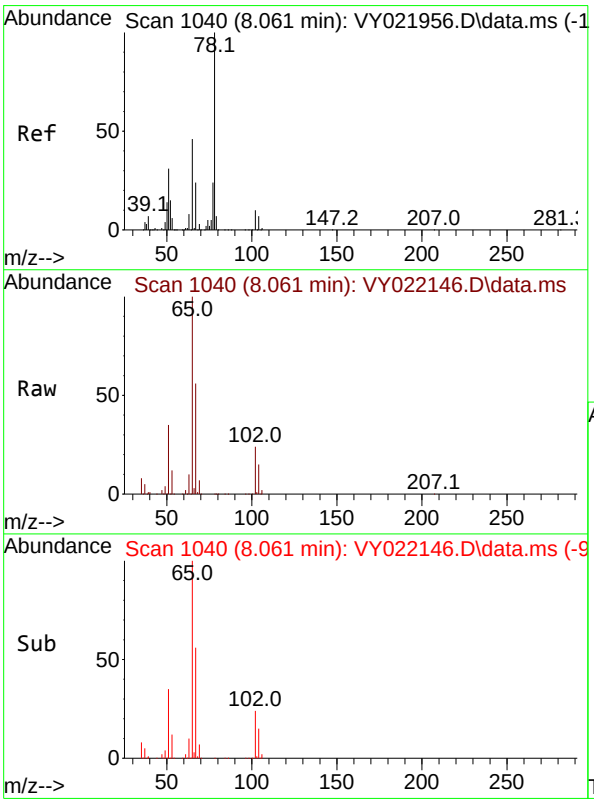
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Tgt Ion:168 Resp: 329285

Ion	Ratio	Lower	Upper
168	100		
99	52.9	43.1	64.7

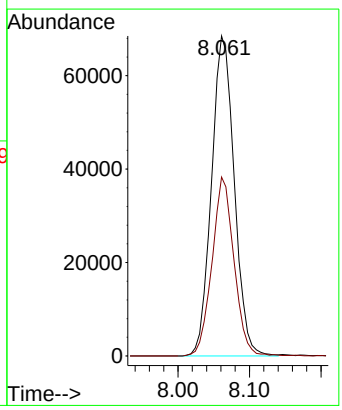


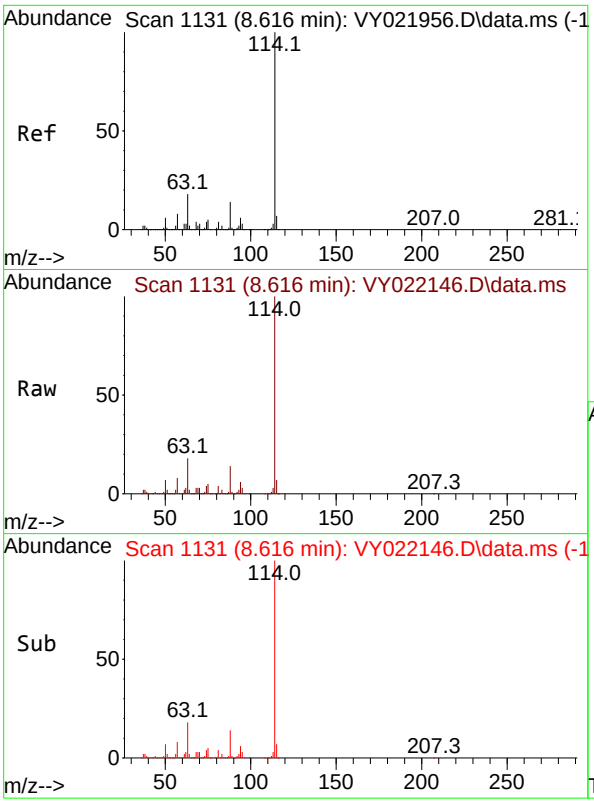


#33
1,2-Dichloroethane-d4
Concen: 49.816 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion: 65 Resp: 151518

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.8



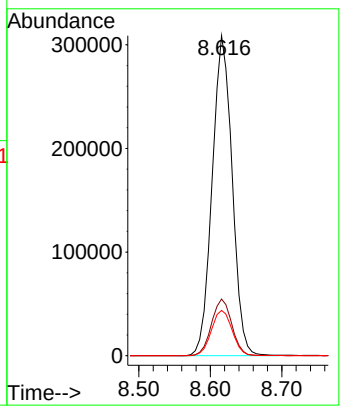


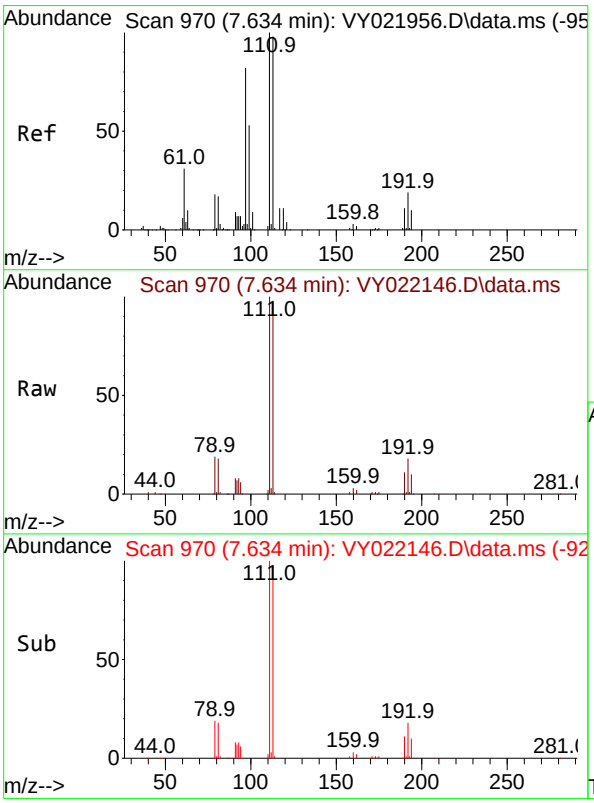
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Tgt Ion:114 Resp: 599236

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.4
88	14.1	0.0	28.2

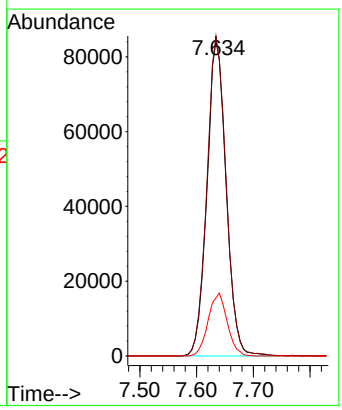


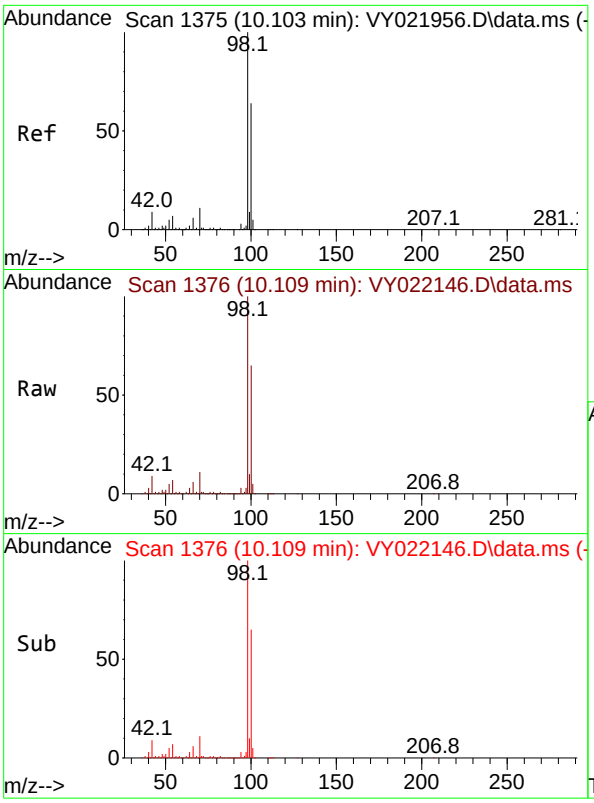


#35
Dibromofluoromethane
Concen: 50.056 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion:113 Resp: 198164

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.8
192	19.8	15.6	23.4



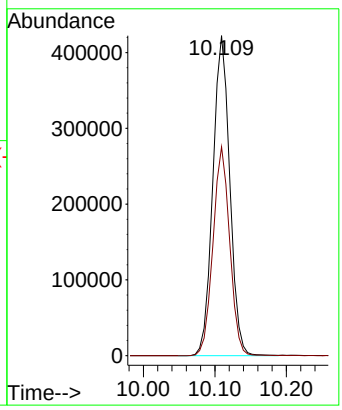


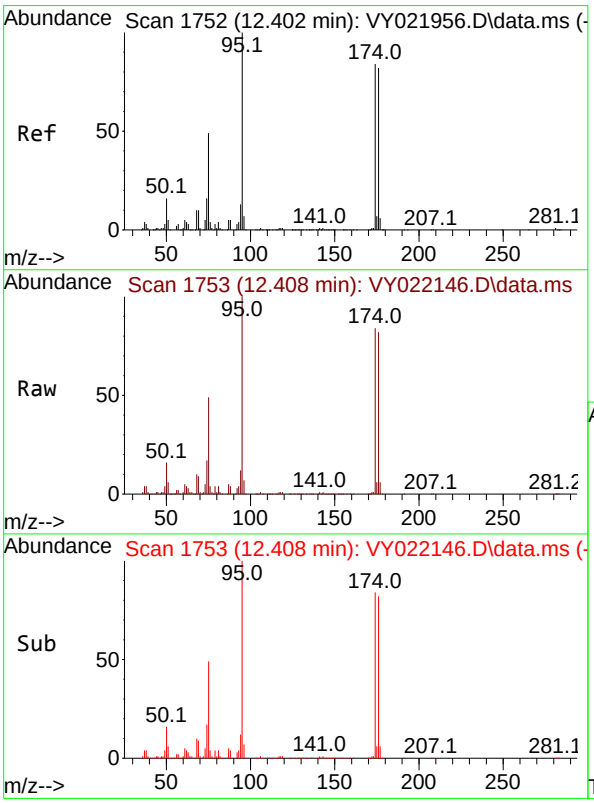
#50
Toluene-d8
Concen: 46.528 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Tgt Ion: 98 Resp: 694430

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4

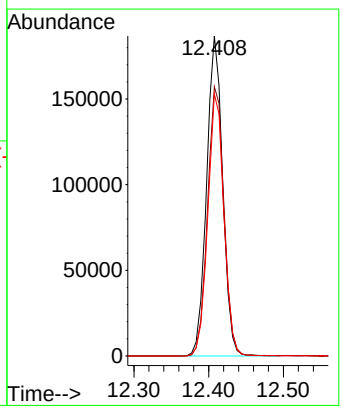


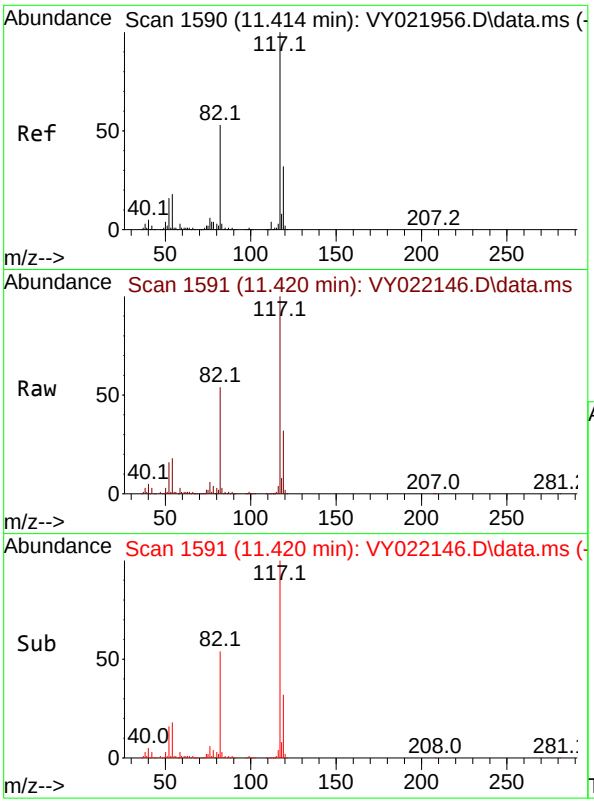


#62
4-Bromofluorobenzene
Concen: 55.281 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion: 95 Resp: 277751

Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	179.0
176	82.4	0.0	171.8



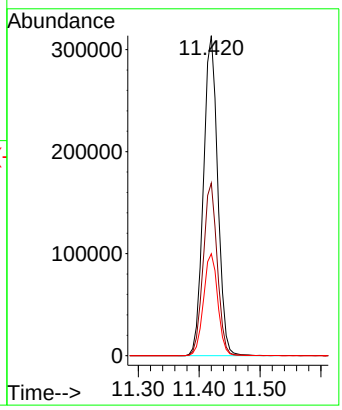


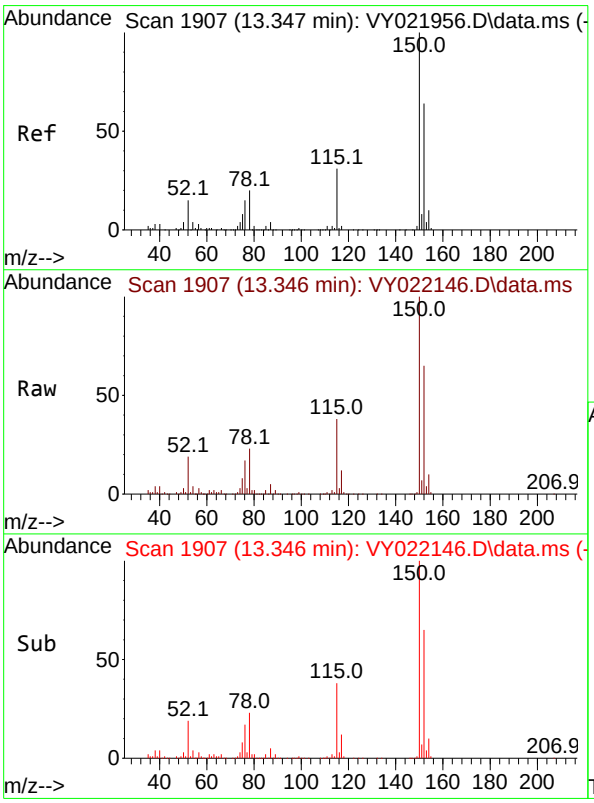
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Tgt Ion:117 Resp: 511500

Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.1	63.1
119	31.8	25.7	38.5

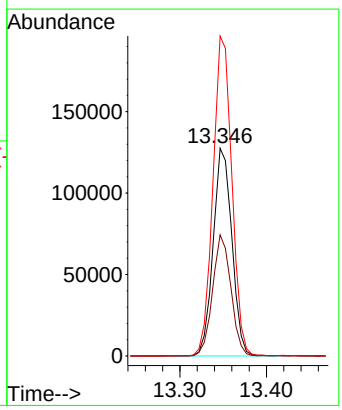




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion:152 Resp: 191516

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.0	84.0
150	154.9	0.0	345.6



Sample Results: **VY022146.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022146.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	958	970	976	rBV2	277976	656953	36.93%	7.182%
2	7.707	976	982	996	rVB	409044	953069	53.58%	10.419%
3	8.061	1031	1040	1054	rBV	200599	432646	24.32%	4.730%
4	8.616	1121	1131	1142	rBV	673699	1327706	74.64%	14.514%
5	10.109	1368	1376	1396	rBV	1071024	1778834	100.00%	19.446%
6	11.420	1583	1591	1603	rBV	915444	1500005	84.33%	16.398%
7	12.408	1745	1753	1765	rBV	920879	1389531	78.11%	15.190%
8	13.346	1901	1907	1917	rVB	742563	1108714	62.33%	12.120%

Sum of corrected areas: 9147458

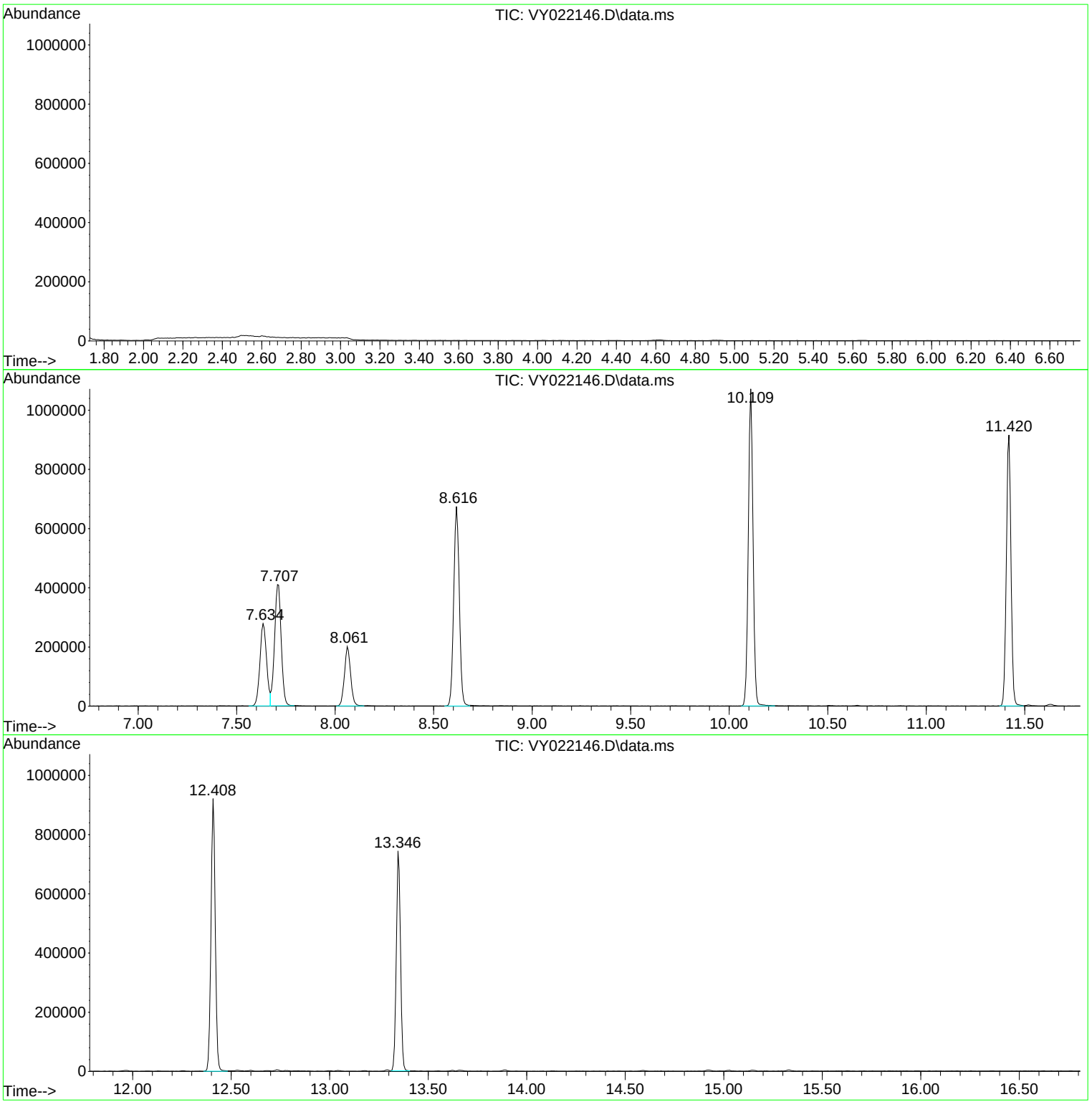
Sample Results: **VY022146.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022146.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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: **VN086481.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBS01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086481.D	1		05/05/25 13:02	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		0.22	1.00	ug/L
74-87-3	Chloromethane	17.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
74-83-9	Bromomethane	24.1		1.40	5.00	ug/L
75-00-3	Chloroethane	19.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.2		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.23	1.00	ug/L
67-64-1	Acetone	92.7		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	5.00	ug/L
78-93-3	2-Butanone	88.3		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.4		0.16	1.00	ug/L
71-43-2	Benzene	19.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.0		0.68	5.00	ug/L
108-88-3	Toluene	20.4		0.14	1.00	ug/L

Raw Data: **VN086481.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBS01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086481.D	1		05/05/25 13:02	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.9		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	94.1		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.24	2.00	ug/L
95-47-6	o-Xylene	20.3		0.12	1.00	ug/L
100-42-5	Styrene	20.0		0.15	1.00	ug/L
75-25-2	Bromoform	20.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.2		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	57.8		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	51.4		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	8.224			
540-36-3	1,4-Difluorobenzene	367000	9.1			
3114-55-4	Chlorobenzene-d5	334000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.788			

Raw Data: **VN086481.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBS01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086481.D	1		05/05/25 13:02	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086481.D
Acq On : 05 May 2025 13:02
Operator : JC\MD
Sample : VN0505WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 06 01:44:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	196497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	366604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	333505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147153	51.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.280%			
35) Dibromofluoromethane	8.165	113	98358	57.808	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.620%			
50) Toluene-d8	10.565	98	467119	51.369	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.847	95	166342	50.152	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	45545	19.553	ug/l	95
3) Chloromethane	2.359	50	60081	17.747	ug/l	100
4) Vinyl Chloride	2.518	62	61363	18.995	ug/l	97
5) Bromomethane	2.959	94	34989	24.079	ug/l	95
6) Chloroethane	3.118	64	41536	19.211	ug/l	100
7) Trichlorofluoromethane	3.500	101	72291	20.202	ug/l	96
8) Diethyl Ether	3.959	74	28241	18.078	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	43345	20.023	ug/l	98
10) Methyl Iodide	4.589	142	54089	22.727	ug/l	94
11) Tert butyl alcohol	5.518	59	45454	87.429	ug/l	100
12) 1,1-Dichloroethene	4.342	96	44135	19.083	ug/l	94
13) Acrolein	4.177	56	23490	87.062	ug/l	97
14) Allyl chloride	5.018	41	68325	16.619	ug/l	98
15) Acrylonitrile	5.718	53	118119	91.907	ug/l	99
16) Acetone	4.430	43	94899	92.739	ug/l	100
17) Carbon Disulfide	4.712	76	122600	17.704	ug/l	97
18) Methyl Acetate	5.024	43	55592	16.253	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	159201	18.726	ug/l	99
20) Methylene Chloride	5.271	84	52689	20.002	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	47311	19.567	ug/l	92
22) Diisopropyl ether	6.671	45	158120	17.679	ug/l	98
23) Vinyl Acetate	6.600	43	645338	103.219	ug/l	97
24) 1,1-Dichloroethane	6.565	63	90200	19.114	ug/l	98
25) 2-Butanone	7.477	43	156656	88.327	ug/l	94
26) 2,2-Dichloropropane	7.483	77	82783	19.593	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	59708	19.896	ug/l	96
28) Bromochloromethane	7.812	49	36734	18.359	ug/l	90
29) Tetrahydrofuran	7.835	42	104135	87.803	ug/l	97
30) Chloroform	7.965	83	93481	20.166	ug/l	99
31) Cyclohexane	8.253	56	81461	17.641	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	82275	20.747	ug/l	94
36) 1,1-Dichloropropene	8.371	75	65288	19.211	ug/l	98
37) Ethyl Acetate	7.559	43	66017	18.452	ug/l	95
38) Carbon Tetrachloride	8.359	117	66692	20.607	ug/l	97
39) Methylcyclohexane	9.600	83	74520	18.449	ug/l	95
40) Benzene	8.606	78	213326	19.592	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086481.D
Acq On : 05 May 2025 13:02
Operator : JC\MD
Sample : VN0505WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 06 01:44:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	34423	16.601	ug/l		91
42) 1,2-Dichloroethane	8.671	62	71406	20.565	ug/l		99
43) Isopropyl Acetate	8.688	43	126913	18.324	ug/l		98
44) Trichloroethene	9.353	130	52520	20.351	ug/l		95
45) 1,2-Dichloropropane	9.618	63	50856	19.081	ug/l		99
46) Dibromomethane	9.706	93	35677	21.009	ug/l		96
47) Bromodichloromethane	9.882	83	75382	20.553	ug/l		98
48) Methyl methacrylate	9.677	41	54587	17.374	ug/l		95
49) 1,4-Dioxane	9.694	88	21197	396.625	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	340895	93.047	ug/l		98
52) Toluene	10.629	92	138652	20.408	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	81152	19.821	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	85142	18.934	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	51087	20.900	ug/l		98
56) Ethyl methacrylate	10.871	69	85820	19.100	ug/l		97
57) 1,3-Dichloropropane	11.159	76	88498	20.406	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	175389	82.241	ug/l		97
59) 2-Hexanone	11.194	43	255604	94.059	ug/l		100
60) Dibromochloromethane	11.359	129	57296	21.346	ug/l		99
61) 1,2-Dibromoethane	11.465	107	51455	20.862	ug/l		98
64) Tetrachloroethene	11.100	164	51243	19.975	ug/l		98
65) Chlorobenzene	11.888	112	152591	20.502	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	50098	20.404	ug/l		100
67) Ethyl Benzene	11.959	91	265929	19.800	ug/l		100
68) m/p-Xylenes	12.065	106	202748	40.289	ug/l		97
69) o-Xylene	12.394	106	101213	20.337	ug/l		97
70) Styrene	12.406	104	166189	20.041	ug/l		99
71) Bromoform	12.576	173	37113	20.076	ug/l	#	99
73) Isopropylbenzene	12.694	105	243827	20.198	ug/l		100
74) N-amyl acetate	12.488	43	108683	18.085	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	73655	21.220	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	69462m	19.946	ug/l		
77) Bromobenzene	12.976	156	59108	22.098	ug/l		92
78) n-propylbenzene	13.035	91	288441	20.277	ug/l		99
79) 2-Chlorotoluene	13.123	91	181075	20.343	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	201865	20.431	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	27567	19.011	ug/l		93
82) 4-Chlorotoluene	13.217	91	177105	20.030	ug/l		97
83) tert-Butylbenzene	13.435	119	174852	20.424	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	203281	20.212	ug/l		100
85) sec-Butylbenzene	13.612	105	244446	20.585	ug/l		99
86) p-Isopropyltoluene	13.723	119	205137	20.958	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	102825	20.450	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	103560	20.448	ug/l		99
89) n-Butylbenzene	14.053	91	170904	19.699	ug/l		99
90) Hexachloroethane	14.329	117	33653	20.441	ug/l		96
91) 1,2-Dichlorobenzene	14.100	146	99193	20.347	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12990	18.561	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	43550	18.656	ug/l		99
94) Hexachlorobutadiene	15.494	225	18264	20.727	ug/l		98
95) Naphthalene	15.635	128	143324	17.320	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	42531	19.244	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086481.D
Acq On : 05 May 2025 13:02
Operator : JC\MD
Sample : VN0505WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 06 01:44:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

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

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

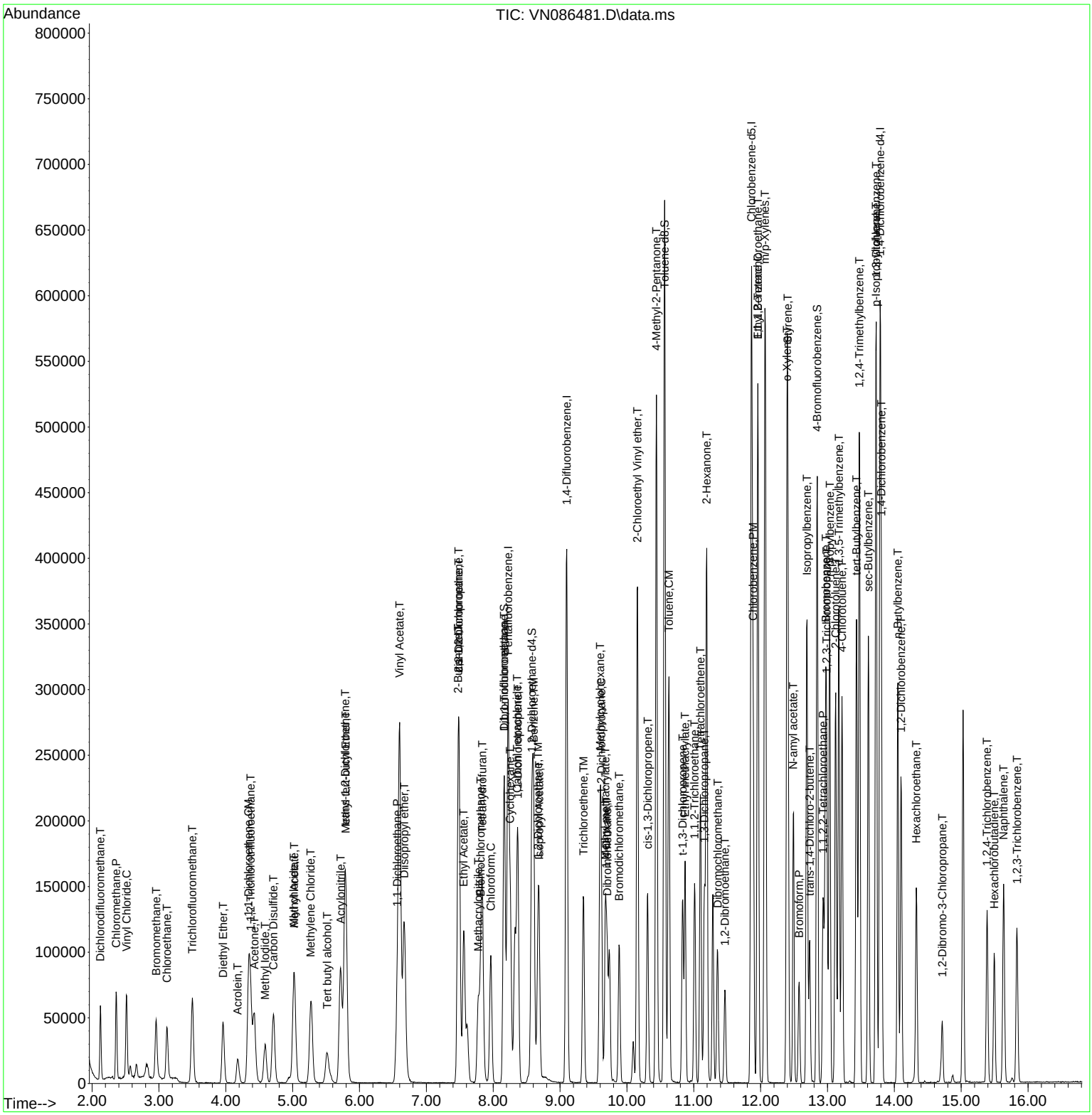
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086481.D
Acq On : 05 May 2025 13:02
Operator : JC\MD
Sample : VN0505WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 06 01:44:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Raw Data: **VX046188.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBS01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046188.D	1		05/14/25 12:46	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.1		0.22	1.00	ug/L
74-87-3	Chloromethane	19.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.8		0.26	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	5.00	ug/L
75-00-3	Chloroethane	21.6		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.23	1.00	ug/L
67-64-1	Acetone	99.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.7		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.3		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.0		0.22	1.00	ug/L
67-66-3	Chloroform	20.6		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.9		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.5		0.14	1.00	ug/L

Raw Data: **VX046188.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBS01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046188.D	1		05/14/25 12:46	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.0		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.2		0.24	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	1.00	ug/L
100-42-5	Styrene	20.0		0.15	1.00	ug/L
75-25-2	Bromoform	18.6		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.9		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	87900	5.55			
540-36-3	1,4-Difluorobenzene	156000	6.757			
3114-55-4	Chlorobenzene-d5	138000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63300	12.018			

Raw Data: **VX046188.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBS01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046188.D	1		05/14/25 12:46	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046188.D
Acq On : 14 May 2025 12:46
Operator : JC/MD
Sample : VX0514WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Quant Time: May 15 01:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	87880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155746	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85335	52.085	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.180%			
35) Dibromofluoromethane	5.385	113	57455	51.229	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.460%			
50) Toluene-d8	8.647	98	199212	51.320	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.640%			
62) 4-Bromofluorobenzene	11.079	95	74687	50.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	26995	20.070	ug/l	100
3) Chloromethane	1.307	50	25169	19.296	ug/l	99
4) Vinyl Chloride	1.374	62	22810	18.790	ug/l	97
5) Bromomethane	1.599	94	10194	18.105	ug/l	97
6) Chloroethane	1.672	64	13982	21.575	ug/l	94
7) Trichlorofluoromethane	1.880	101	36109	20.126	ug/l	97
8) Diethyl Ether	2.136	74	12284	20.113	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	21842	19.672	ug/l	98
10) Methyl Iodide	2.447	142	21998	16.744	ug/l	100
11) Tert butyl alcohol	2.971	59	23307	101.345	ug/l	100
12) 1,1-Dichloroethene	2.312	96	19697	18.902	ug/l	98
13) Acrolein	2.233	56	26796	102.311	ug/l	98
14) Allyl chloride	2.660	41	38866	19.516	ug/l	98
15) Acrylonitrile	3.062	53	67508	102.658	ug/l	98
16) Acetone	2.379	43	65605	99.869	ug/l	100
17) Carbon Disulfide	2.507	76	41074	16.626	ug/l	99
18) Methyl Acetate	2.703	43	34574	22.681	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	71925	19.688	ug/l	98
20) Methylene Chloride	2.788	84	23524	18.687	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	19669	18.769	ug/l	99
22) Diisopropyl ether	3.763	45	76577	19.906	ug/l	97
23) Vinyl Acetate	3.721	43	330012	97.536	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42800	19.975	ug/l	98
25) 2-Butanone	4.556	43	99939	104.792	ug/l	97
26) 2,2-Dichloropropane	4.471	77	29524	17.605	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	24825	19.678	ug/l	99
28) Bromochloromethane	4.897	49	23678	22.958	ug/l	96
29) Tetrahydrofuran	5.007	42	62179	104.047	ug/l	99
30) Chloroform	5.092	83	46068	20.628	ug/l	98
31) Cyclohexane	5.458	56	37670	19.293	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	38635	19.957	ug/l	98
36) 1,1-Dichloropropene	5.690	75	28745	19.076	ug/l	99
37) Ethyl Acetate	4.721	43	35215	18.915	ug/l	99
38) Carbon Tetrachloride	5.672	117	32596	19.252	ug/l	97
39) Methylcyclohexane	7.379	83	34808	17.942	ug/l	98
40) Benzene	6.031	78	87577	19.841	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046188.D
Acq On : 14 May 2025 12:46
Operator : JC/MD
Sample : VX0514WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Quant Time: May 15 01:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	21111	21.676	ug/l		99
42) 1,2-Dichloroethane	6.080	62	38323	20.117	ug/l		100
43) Isopropyl Acetate	6.342	43	56154	19.771	ug/l		100
44) Trichloroethene	7.123	130	20027	18.852	ug/l		96
45) 1,2-Dichloropropane	7.427	63	22439	20.445	ug/l		98
46) Dibromomethane	7.580	93	17173	19.839	ug/l		100
47) Bromodichloromethane	7.818	83	33688	19.759	ug/l		97
48) Methyl methacrylate	7.689	41	28733	19.809	ug/l		99
49) 1,4-Dioxane	7.659	88	12597	457.379	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	195785	103.848	ug/l		98
52) Toluene	8.714	92	52893	19.543	ug/l		96
53) t-1,3-Dichloropropene	8.976	75	27932	18.432	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	31770	18.968	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	21999	20.614	ug/l		95
56) Ethyl methacrylate	9.116	69	33817	19.882	ug/l		99
57) 1,3-Dichloropropane	9.305	76	37857	19.752	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	90312	104.151	ug/l		100
59) 2-Hexanone	9.427	43	144738	103.768	ug/l		98
60) Dibromochloromethane	9.518	129	23073	19.687	ug/l		99
61) 1,2-Dibromoethane	9.610	107	22060	19.889	ug/l		97
64) Tetrachloroethene	9.268	164	18113	18.518	ug/l		95
65) Chlorobenzene	10.079	112	57364	18.958	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20101	19.455	ug/l		99
67) Ethyl Benzene	10.195	91	103376	19.381	ug/l		99
68) m/p-Xylenes	10.299	106	76474	39.202	ug/l		100
69) o-Xylene	10.640	106	37066	19.490	ug/l		97
70) Styrene	10.652	104	62259	19.984	ug/l		99
71) Bromoform	10.799	173	14407	18.572	ug/l	#	98
73) Isopropylbenzene	10.957	105	100059	20.308	ug/l		100
74) N-amyl acetate	10.841	43	47294	19.425	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	34952	20.243	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	29943m	19.656	ug/l		
77) Bromobenzene	11.195	156	22192	19.401	ug/l		99
78) n-propylbenzene	11.299	91	112157	19.578	ug/l		99
79) 2-Chlorotoluene	11.360	91	72402	19.594	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	83635	20.319	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	7362	15.734	ug/l		89
82) 4-Chlorotoluene	11.451	91	83144	20.290	ug/l		98
83) tert-Butylbenzene	11.713	119	82342	19.860	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	82697	19.839	ug/l		99
85) sec-Butylbenzene	11.890	105	100532	19.748	ug/l		99
86) p-Isopropyltoluene	12.006	119	82358	19.599	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	40253	19.282	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	40957	19.211	ug/l		97
89) n-Butylbenzene	12.329	91	68625	18.618	ug/l		100
90) Hexachloroethane	12.536	117	13714	18.525	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	41875	19.989	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7781	20.343	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	21623	17.971	ug/l		98
94) Hexachlorobutadiene	13.725	225	10135	19.287	ug/l		99
95) Naphthalene	13.774	128	81431	18.453	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	23467	18.902	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046188.D
Acq On : 14 May 2025 12:46
Operator : JC/MD
Sample : VX0514WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Quant Time: May 15 01:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

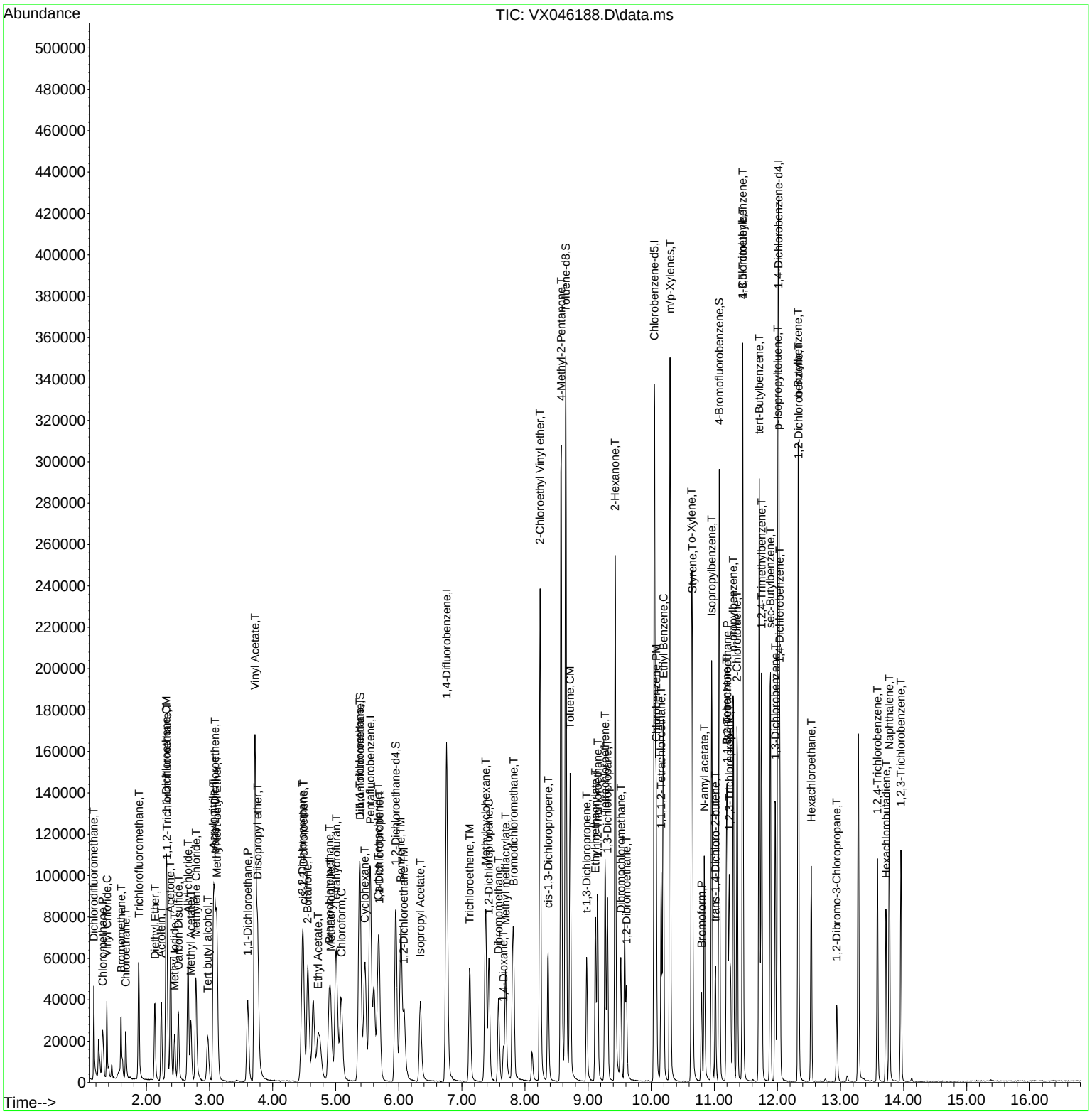
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046188.D
Acq On : 14 May 2025 12:46
Operator : JC/MD
Sample : VX0514WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Quant Time: May 15 01:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



Raw Data: **VY022147.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.7		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	93.4		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.2		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.7		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	92.1		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.7		0.91	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.6		3.60	25.0	ug/Kg
108-88-3	Toluene	20.2		0.78	5.00	ug/Kg

Raw Data: **VY022147.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	92.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.0		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.9		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		38 - 136	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	7.713			
540-36-3	1,4-Difluorobenzene	438000	8.616			
3114-55-4	Chlorobenzene-d5	396000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	212000	13.346			

Raw Data: **VY022147.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	283597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	437631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	395977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	212383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	130743	49.911	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.820%			
35) Dibromofluoromethane	7.634	113	142785	49.386	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.780%			
50) Toluene-d8	10.109	98	533457	48.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.408	95	183926	50.125	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45521	18.837	ug/l	99
3) Chloromethane	2.068	50	68631	19.946	ug/l	97
4) Vinyl Chloride	2.202	62	83953	19.855	ug/l	98
5) Bromomethane	2.592	94	80640	22.136	ug/l	99
6) Chloroethane	2.732	64	59493	20.659	ug/l	96
7) Trichlorofluoromethane	3.056	101	114277	20.496	ug/l	96
8) Diethyl Ether	3.452	74	27528	18.969	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	62536	20.675	ug/l	99
10) Methyl Iodide	4.007	142	62685	17.900	ug/l	98
11) Tert butyl alcohol	4.884	59	13817	96.078	ug/l	97
12) 1,1-Dichloroethene	3.793	96	56505	20.042	ug/l	99
13) Acrolein	3.653	56	12255	47.479	ug/l	100
14) Allyl chloride	4.385	41	64034	19.506	ug/l	99
15) Acrylonitrile	5.061	53	50219	94.524	ug/l	99
16) Acetone	3.872	43	36620	93.425	ug/l	98
17) Carbon Disulfide	4.104	76	172376	19.176	ug/l	99
18) Methyl Acetate	4.391	43	24946	20.387	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	122495	19.413	ug/l	94
20) Methylene Chloride	4.616	84	61860	18.676	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	62716	19.863	ug/l	99
22) Diisopropyl ether	6.018	45	147220	20.152	ug/l	95
23) Vinyl Acetate	5.964	43	381169	96.815	ug/l	100
24) 1,1-Dichloroethane	5.915	63	102019	20.147	ug/l	99
25) 2-Butanone	6.902	43	55008	92.124	ug/l	97
26) 2,2-Dichloropropane	6.884	77	93959	21.170	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	70002	19.828	ug/l	99
28) Bromochloromethane	7.250	49	40301	20.490	ug/l	100
29) Tetrahydrofuran	7.268	42	36635	94.466	ug/l	100
30) Chloroform	7.421	83	113922	20.282	ug/l	99
31) Cyclohexane	7.707	56	85669	19.784	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	105659	20.792	ug/l	100
36) 1,1-Dichloropropene	7.835	75	79161	20.383	ug/l	99
37) Ethyl Acetate	6.982	43	26192	18.778	ug/l	99
38) Carbon Tetrachloride	7.817	117	97921	21.100	ug/l	99
39) Methylcyclohexane	9.109	83	96393	19.723	ug/l	96
40) Benzene	8.079	78	245125	20.191	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	13405	17.581	ug/l		90
42) 1,2-Dichloroethane	8.158	62	63069	20.983	ug/l		100
43) Isopropyl Acetate	8.201	43	51461	19.211	ug/l		98
44) Trichloroethene	8.865	130	69699	20.727	ug/l		99
45) 1,2-Dichloropropane	9.146	63	54540	20.315	ug/l		99
46) Dibromomethane	9.237	93	33746	20.079	ug/l		99
47) Bromodichloromethane	9.426	83	86130	20.515	ug/l		97
48) Methyl methacrylate	9.225	41	23901	19.301	ug/l		97
49) 1,4-Dioxane	9.237	88	6413	358.012	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	134271	95.622	ug/l		100
52) Toluene	10.170	92	158982	20.231	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	72724	20.194	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	85689	20.017	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	45637	20.329	ug/l		98
56) Ethyl methacrylate	10.438	69	46887	18.264	ug/l		97
57) 1,3-Dichloropropane	10.719	76	72166	20.052	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	121659	96.924	ug/l		99
59) 2-Hexanone	10.761	43	86027	92.884	ug/l		97
60) Dibromochloromethane	10.914	129	60636	19.509	ug/l		97
61) 1,2-Dibromoethane	11.018	107	41480	19.572	ug/l		100
64) Tetrachloroethene	10.652	164	79383	21.251	ug/l		95
65) Chlorobenzene	11.444	112	177439	20.038	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	62480	20.042	ug/l		98
67) Ethyl Benzene	11.524	91	284474	19.639	ug/l		100
68) m/p-Xylenes	11.627	106	232280	40.298	ug/l		99
69) o-Xylene	11.956	106	105732	19.902	ug/l		99
70) Styrene	11.969	104	176830	19.824	ug/l		99
71) Bromoform	12.133	173	34946	19.281	ug/l	#	99
73) Isopropylbenzene	12.255	105	276933	19.517	ug/l		99
74) N-amyl acetate	12.072	43	43915	18.014	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	45282	18.928	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	36757m	20.205	ug/l		
77) Bromobenzene	12.536	156	69315	19.332	ug/l		96
78) n-propylbenzene	12.597	91	338881	20.055	ug/l		100
79) 2-Chlorotoluene	12.682	91	195791	19.923	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	235339	20.129	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	14546	19.255	ug/l		98
82) 4-Chlorotoluene	12.779	91	206233	20.188	ug/l		99
83) tert-Butylbenzene	12.999	119	201521	19.219	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	234406	20.045	ug/l		98
85) sec-Butylbenzene	13.176	105	307501	20.041	ug/l		100
86) p-Isopropyltoluene	13.291	119	260054	19.960	ug/l		98
87) 1,3-Dichlorobenzene	13.291	146	142760	19.604	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	140689	19.507	ug/l		100
89) n-Butylbenzene	13.621	91	227203	19.510	ug/l		100
90) Hexachloroethane	13.883	117	57209	19.985	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	123286	19.410	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7469	19.624	ug/l		86
93) 1,2,4-Trichlorobenzene	14.925	180	66121	18.371	ug/l		97
94) Hexachlorobutadiene	15.023	225	43136	19.479	ug/l		100
95) Naphthalene	15.145	128	101830	17.031	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	57120	18.385	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

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

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

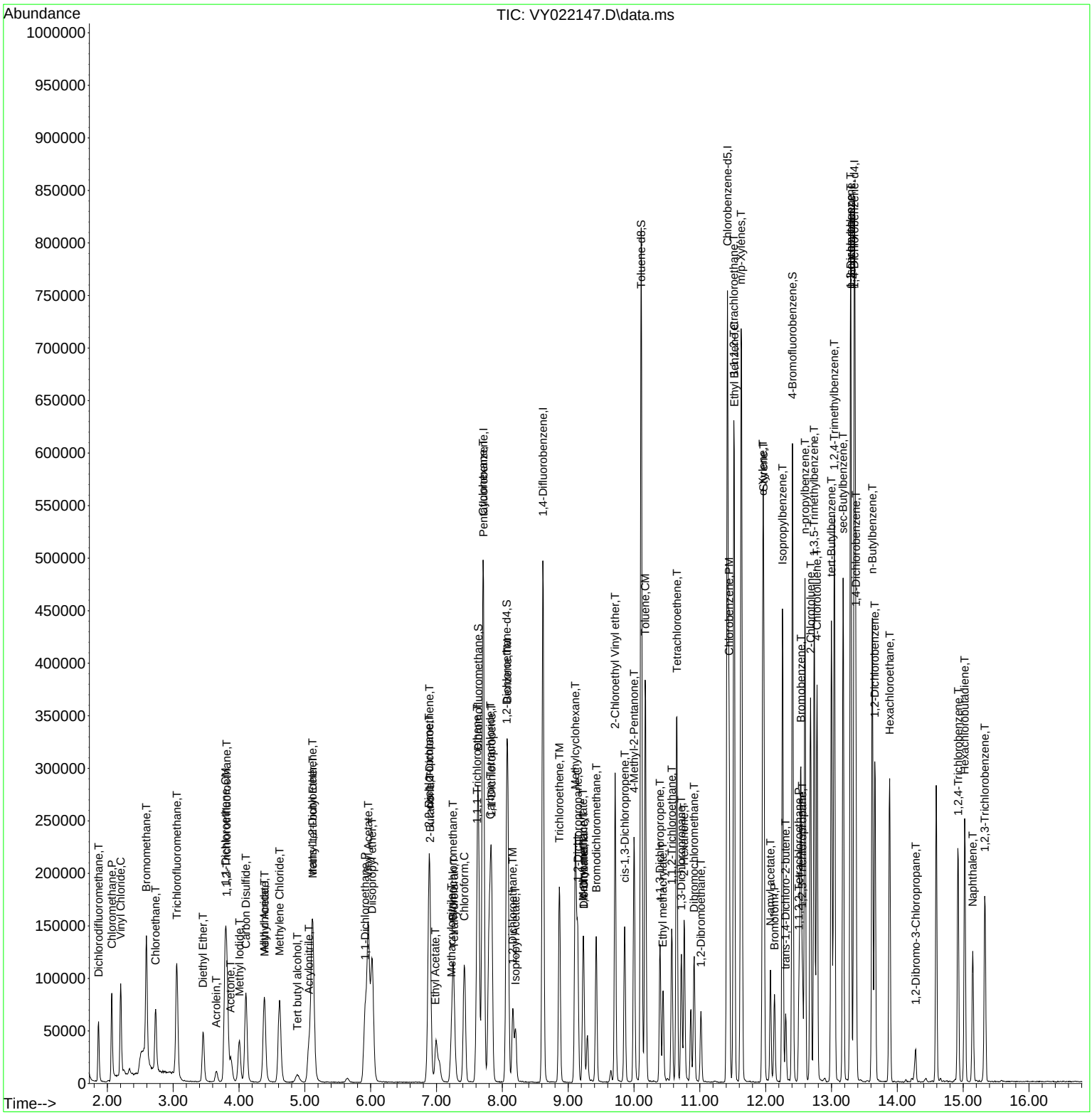
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



Raw Data: **VX046189.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBSD01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046189.D	1		05/14/25 13:12	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		0.22	1.00	ug/L
74-87-3	Chloromethane	18.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.26	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	5.00	ug/L
75-00-3	Chloroethane	20.4		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.6		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.9		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.0		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.0		0.22	1.00	ug/L
67-66-3	Chloroform	20.6		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.2		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.8		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L

Raw Data: **VX046189.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBSD01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046189.D	1		05/14/25 13:12	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.7		0.24	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	1.00	ug/L
100-42-5	Styrene	20.3		0.15	1.00	ug/L
75-25-2	Bromoform	18.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	51.2		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	86700	5.544			
540-36-3	1,4-Difluorobenzene	152000	6.757			
3114-55-4	Chlorobenzene-d5	135000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63300	12.018			

Raw Data: **VX046189.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBSD01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046189.D	1		05/14/25 13:12	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046189.D
Acq On : 14 May 2025 13:12
Operator : JC/MD
Sample : VX0514WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Quant Time: May 15 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	86737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152178	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82996	51.325	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.660%			
35) Dibromofluoromethane	5.379	113	56503	51.561	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.120%			
50) Toluene-d8	8.647	98	194251	51.215	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.420%			
62) 4-Bromofluorobenzene	11.079	95	73831	50.747	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25654	19.324	ug/l	97
3) Chloromethane	1.307	50	23629	18.354	ug/l	98
4) Vinyl Chloride	1.374	62	21694	18.106	ug/l	100
5) Bromomethane	1.593	94	9882	17.782	ug/l	95
6) Chloroethane	1.666	64	13073	20.438	ug/l	98
7) Trichlorofluoromethane	1.874	101	34781	19.641	ug/l	99
8) Diethyl Ether	2.136	74	11779	19.540	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	21281	19.420	ug/l	98
10) Methyl Iodide	2.447	142	22546	17.387	ug/l	97
11) Tert butyl alcohol	2.977	59	23236	102.368	ug/l	97
12) 1,1-Dichloroethene	2.313	96	19344	18.808	ug/l	94
13) Acrolein	2.233	56	23824	92.162	ug/l	97
14) Allyl chloride	2.660	41	38510	19.592	ug/l	95
15) Acrylonitrile	3.062	53	66674	102.725	ug/l	98
16) Acetone	2.380	43	66505	102.574	ug/l	98
17) Carbon Disulfide	2.502	76	40575	16.641	ug/l	98
18) Methyl Acetate	2.703	43	32935	21.890	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	72965	20.235	ug/l	99
20) Methylene Chloride	2.782	84	23002	18.513	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	19732	19.078	ug/l	96
22) Diisopropyl ether	3.757	45	77420	20.390	ug/l	92
23) Vinyl Acetate	3.715	43	334635	100.206	ug/l	100
24) 1,1-Dichloroethane	3.605	63	42403	20.051	ug/l	99
25) 2-Butanone	4.556	43	98812	104.976	ug/l	100
26) 2,2-Dichloropropane	4.471	77	27978	16.903	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	24603	19.759	ug/l	99
28) Bromochloromethane	4.891	49	23381	22.969	ug/l	96
29) Tetrahydrofuran	5.001	42	63216	107.176	ug/l	98
30) Chloroform	5.086	83	45318	20.559	ug/l	99
31) Cyclohexane	5.464	56	36605	18.995	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	37021	19.375	ug/l	100
36) 1,1-Dichloropropene	5.690	75	27617	18.757	ug/l	98
37) Ethyl Acetate	4.715	43	36995	20.337	ug/l	98
38) Carbon Tetrachloride	5.672	117	31734	19.182	ug/l	96
39) Methylcyclohexane	7.373	83	34444	18.171	ug/l	92
40) Benzene	6.031	78	85349	19.790	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046189.D
Acq On : 14 May 2025 13:12
Operator : JC/MD
Sample : VX0514WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Quant Time: May 15 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	20110	21.133	ug/l		95
42) 1,2-Dichloroethane	6.080	62	38313	20.584	ug/l		99
43) Isopropyl Acetate	6.336	43	56897	20.502	ug/l		98
44) Trichloroethene	7.123	130	20138	19.401	ug/l		94
45) 1,2-Dichloropropane	7.427	63	22258	20.756	ug/l		94
46) Dibromomethane	7.580	93	17270	20.419	ug/l		99
47) Bromodichloromethane	7.818	83	34342	20.615	ug/l		96
48) Methyl methacrylate	7.690	41	28820	20.334	ug/l		99
49) 1,4-Dioxane	7.659	88	12361	459.333	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	194328	105.491	ug/l		99
52) Toluene	8.714	92	52577	19.882	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27856	18.813	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	32143	19.641	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	21380	20.504	ug/l		97
56) Ethyl methacrylate	9.116	69	33882	20.388	ug/l		98
57) 1,3-Dichloropropane	9.305	76	37749	20.158	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	93482	110.335	ug/l		99
59) 2-Hexanone	9.427	43	143704	105.443	ug/l		100
60) Dibromochloromethane	9.519	129	23268	20.319	ug/l		100
61) 1,2-Dibromoethane	9.610	107	22257	20.537	ug/l		99
64) Tetrachloroethene	9.269	164	17833	18.695	ug/l		96
65) Chlorobenzene	10.079	112	56820	19.256	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19619	19.471	ug/l		99
67) Ethyl Benzene	10.189	91	100759	19.371	ug/l		98
68) m/p-Xylenes	10.299	106	73672	38.725	ug/l		96
69) o-Xylene	10.640	106	36254	19.547	ug/l		94
70) Styrene	10.653	104	61536	20.254	ug/l		100
71) Bromoform	10.799	173	14026	18.541	ug/l	#	96
73) Isopropylbenzene	10.957	105	96342	19.543	ug/l		99
74) N-amyl acetate	10.842	43	47260	19.400	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34677	20.073	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	29819m	19.564	ug/l		
77) Bromobenzene	11.195	156	22021	19.240	ug/l		99
78) n-propylbenzene	11.299	91	111324	19.421	ug/l		99
79) 2-Chlorotoluene	11.360	91	71121	19.236	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	82919	20.133	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	7641	16.321	ug/l		92
82) 4-Chlorotoluene	11.451	91	80060	19.526	ug/l		99
83) tert-Butylbenzene	11.713	119	81310	19.600	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	82930	19.884	ug/l		99
85) sec-Butylbenzene	11.890	105	100388	19.708	ug/l		99
86) p-Isopropyltoluene	12.006	119	80992	19.263	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	40364	19.324	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	41455	19.433	ug/l		98
89) n-Butylbenzene	12.329	91	68723	18.634	ug/l		100
90) Hexachloroethane	12.536	117	13745	18.556	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	41961	20.019	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7652	19.994	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	21846	18.146	ug/l		98
94) Hexachlorobutadiene	13.725	225	10028	19.072	ug/l		98
95) Naphthalene	13.774	128	82437	18.670	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	23336	18.786	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046189.D
Acq On : 14 May 2025 13:12
Operator : JC/MD
Sample : VX0514WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Quant Time: May 15 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

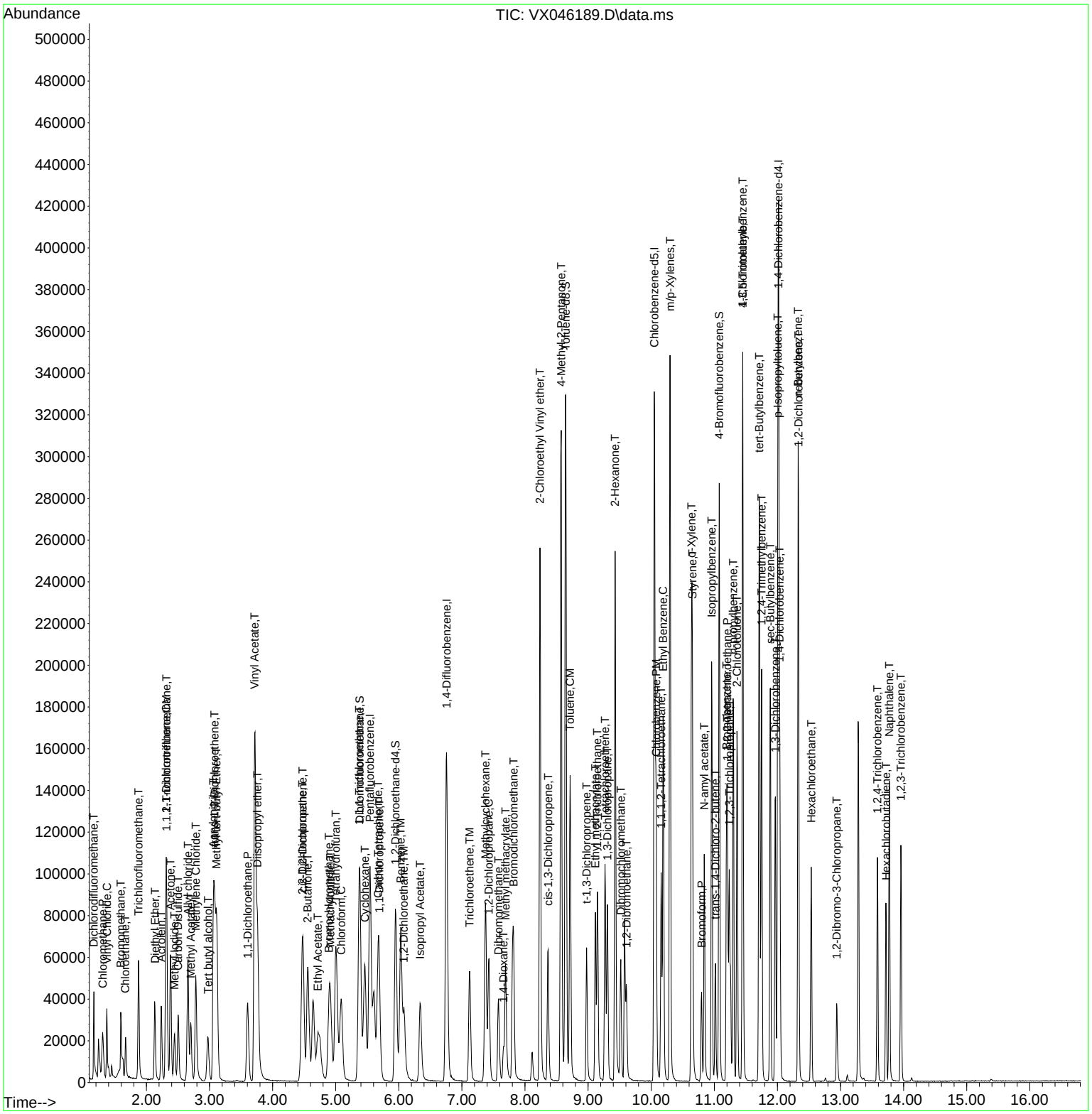
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046189.D
Acq On : 14 May 2025 13:12
Operator : JC/MD
Sample : VX0514WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Quant Time: May 15 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



Raw Data: **VY022165.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022165.D	1		05/05/25 17:28	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	40.8		1.00	4.60	ug/Kg
74-87-3	Chloromethane	45.3		1.00	4.60	ug/Kg
75-01-4	Vinyl Chloride	48.7		0.72	4.60	ug/Kg
74-83-9	Bromomethane	41.5		0.97	4.60	ug/Kg
75-00-3	Chloroethane	51.8		1.10	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	46.3		1.10	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	44.5		0.97	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	44.9		0.91	4.60	ug/Kg
67-64-1	Acetone	270		4.30	22.8	ug/Kg
75-15-0	Carbon Disulfide	41.0		0.97	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	47.4		0.67	4.60	ug/Kg
79-20-9	Methyl Acetate	86.3		1.40	4.60	ug/Kg
75-09-2	Methylene Chloride	46.5		3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	46.9		0.78	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	50.9		0.73	4.60	ug/Kg
110-82-7	Cyclohexane	45.5		0.72	4.60	ug/Kg
78-93-3	2-Butanone	230		6.00	22.8	ug/Kg
56-23-5	Carbon Tetrachloride	47.8		0.88	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	49.0		0.68	4.60	ug/Kg
74-97-5	Bromochloromethane	54.5		1.00	4.60	ug/Kg
67-66-3	Chloroform	50.6		0.77	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	48.7		0.85	4.60	ug/Kg
108-87-2	Methylcyclohexane	45.4		0.83	4.60	ug/Kg
71-43-2	Benzene	50.6		0.72	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	49.1		0.72	4.60	ug/Kg
79-01-6	Trichloroethene	46.8		0.74	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	51.9		0.83	4.60	ug/Kg
75-27-4	Bromodichloromethane	50.9		0.71	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	250		3.30	22.8	ug/Kg
108-88-3	Toluene	52.4		0.71	4.60	ug/Kg

Raw Data: **VY022165.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022165.D	1		05/05/25 17:28	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	45.6		0.59	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	45.7		0.56	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	48.1		0.84	4.60	ug/Kg
591-78-6	2-Hexanone	240		3.40	22.8	ug/Kg
124-48-1	Dibromochloromethane	47.7		0.79	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	46.5		0.80	4.60	ug/Kg
127-18-4	Tetrachloroethene	47.7		0.96	4.60	ug/Kg
108-90-7	Chlorobenzene	46.7		0.83	4.60	ug/Kg
100-41-4	Ethyl Benzene	49.8		0.61	4.60	ug/Kg
179601-23-1	m/p-Xylenes	100		1.10	9.10	ug/Kg
95-47-6	o-Xylene	49.4		0.75	4.60	ug/Kg
100-42-5	Styrene	36.0		0.65	4.60	ug/Kg
75-25-2	Bromoform	44.1		0.78	4.60	ug/Kg
98-82-8	Isopropylbenzene	50.0		0.71	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	46.9		1.10	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	42.5		1.60	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	42.8		1.40	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	42.8		1.30	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	43.7		1.70	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	29.2		2.70	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	27.7		2.90	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	58.1		70 - 134	116%	SPK: 50
2037-26-5	Toluene-d8	60.8		74 - 123	122%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		38 - 136	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	169000	7.707			
540-36-3	1,4-Difluorobenzene	262000	8.615			
3114-55-4	Chlorobenzene-d5	243000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.346			

Raw Data: **VY022165.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022165.D	1		05/05/25 17:28	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022165.D
Acq On : 05 May 2025 17:28
Operator : SY/MD
Sample : Q1956-03MS
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 06 05:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	168734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	261635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	242756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87078	55.871	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.740%			
35) Dibromofluoromethane	7.640	113	100339	58.050	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.100%			
50) Toluene-d8	10.109	98	396003	60.770	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 121.540%			
62) 4-Bromofluorobenzene	12.407	95	121880	55.559	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.860	85	64403	44.794	ug/l	98
3) Chloromethane	2.068	50	101808	49.729	ug/l	99
4) Vinyl Chloride	2.202	62	134578	53.494	ug/l	98
5) Bromomethane	2.598	94	98663	45.520	ug/l	99
6) Chloroethane	2.738	64	97444	56.873	ug/l	99
7) Trichlorofluoromethane	3.055	101	168454	50.779	ug/l	97
8) Diethyl Ether	3.452	74	41749	48.351	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.817	101	87882	48.834	ug/l	98
10) Methyl Iodide	4.000	142	93558	44.903	ug/l	97
11) Tert butyl alcohol	4.860	59	21028	245.758	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	82715	49.311	ug/l	94
13) Acrolein	3.653	56	6064	39.487	ug/l	99
14) Allyl chloride	4.384	41	99984	51.191	ug/l	97
15) Acrylonitrile	5.061	53	77160	244.099	ug/l	99
16) Acetone	3.866	43	59424	295.145	ug/l	97
17) Carbon Disulfide	4.104	76	240695	45.004	ug/l	99
18) Methyl Acetate	4.384	43	68982	94.750	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	195526	52.080	ug/l	98
20) Methylene Chloride	4.610	84	100553	51.022	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	96659	51.453	ug/l	98
22) Diisopropyl ether	6.018	45	246686	56.755	ug/l	97
23) Vinyl Acetate	5.963	43	193767	82.719	ug/l	98
24) 1,1-Dichloroethane	5.915	63	168456	55.913	ug/l	98
25) 2-Butanone	6.896	43	88333	248.638	ug/l	96
26) 2,2-Dichloropropane	6.884	77	128714	48.744	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	113018	53.805	ug/l	97
28) Bromochloromethane	7.244	49	69980	59.800	ug/l	93
29) Tetrahydrofuran	7.262	42	59162	256.401	ug/l	99
30) Chloroform	7.420	83	185485	55.503	ug/l	100
31) Cyclohexane	7.701	56	128542	49.892	ug/l	94
32) 1,1,1-Trichloroethane	7.615	97	161659	53.468	ug/l	98
36) 1,1-Dichloropropene	7.835	75	123882	53.355	ug/l	99
37) Ethyl Acetate	6.988	43	36766	44.090	ug/l	96
38) Carbon Tetrachloride	7.817	117	145495	52.441	ug/l	98
39) Methylcyclohexane	9.109	83	145637	49.843	ug/l	94
40) Benzene	8.079	78	403142	55.545	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022165.D
Acq On : 05 May 2025 17:28
Operator : SY/MD
Sample : Q1956-03MS
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 06 05:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.213	41	21185m	46.474 ug/l		
42) 1,2-Dichloroethane	8.158	62	96918	53.934 ug/l		99
43) Isopropyl Acetate	8.195	43	77574	48.441 ug/l		98
44) Trichloroethene	8.865	130	103268	51.368 ug/l		94
45) 1,2-Dichloropropane	9.140	63	91383	56.934 ug/l		98
46) Dibromomethane	9.231	93	51622	51.378 ug/l		97
47) Bromodichloromethane	9.426	83	140280	55.888 ug/l		98
48) Methyl methacrylate	9.225	41	41280	55.760 ug/l		99
49) 1,4-Dioxane	9.225	88	9574	894.009 ug/l	#	95
51) 4-Methyl-2-Pentanone	9.999	43	227640	271.167 ug/l		97
52) Toluene	10.170	92	270455	57.566 ug/l		99
53) t-1,3-Dichloropropene	10.395	75	107817	50.078 ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	128269	50.119 ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	70904	52.830 ug/l		99
56) Ethyl methacrylate	10.438	69	67812	44.183 ug/l		96
57) 1,3-Dichloropropane	10.719	76	116274	54.041 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	184366	245.686 ug/l		99
59) 2-Hexanone	10.761	43	147026	265.529 ug/l		97
60) Dibromochloromethane	10.914	129	97320	52.375 ug/l		99
61) 1,2-Dibromoethane	11.017	107	64620	51.000 ug/l		98
64) Tetrachloroethene	10.645	164	119916	52.363 ug/l		95
65) Chlorobenzene	11.444	112	278330	51.271 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	102401	53.580 ug/l		99
67) Ethyl Benzene	11.517	91	485649	54.688 ug/l		97
68) m/p-Xylenes	11.627	106	391072	110.669 ug/l		100
69) o-Xylene	11.956	106	176678	54.246 ug/l		99
70) Styrene	11.968	104	216048	39.507 ug/l		95
71) Bromoform	12.133	173	53844	48.458 ug/l	#	99
73) Isopropylbenzene	12.255	105	459729	54.870 ug/l		100
74) N-amyl acetate	12.072	43	47297	32.856 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	72724	51.483 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	54622m	50.850 ug/l		
77) Bromobenzene	12.529	156	105479	49.822 ug/l		96
78) n-propylbenzene	12.596	91	544686	54.590 ug/l		99
79) 2-Chlorotoluene	12.682	91	308315	53.133 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	374123	54.194 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	17141	38.428 ug/l		91
82) 4-Chlorotoluene	12.779	91	317135	52.574 ug/l		99
83) tert-Butylbenzene	12.999	119	336016	54.272 ug/l		98
84) 1,2,4-Trimethylbenzene	13.041	105	374398	54.221 ug/l		100
85) sec-Butylbenzene	13.175	105	478604	52.827 ug/l		100
86) p-Isopropyltoluene	13.291	119	394727	51.309 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	200543	46.638 ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	199946	46.950 ug/l		99
89) n-Butylbenzene	13.614	91	324369	47.171 ug/l		99
90) Hexachloroethane	13.877	117	85072	50.331 ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	176281	47.003 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10770	47.922 ug/l		90
93) 1,2,4-Trichlorobenzene	14.919	180	68068	32.028 ug/l		99
94) Hexachlorobutadiene	15.023	225	40649	31.087 ug/l		98
95) Naphthalene	15.145	128	117453	33.269 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	55700	30.362 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022165.D
Acq On : 05 May 2025 17:28
Operator : SY/MD
Sample : Q1956-03MS
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 06 05:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

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

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

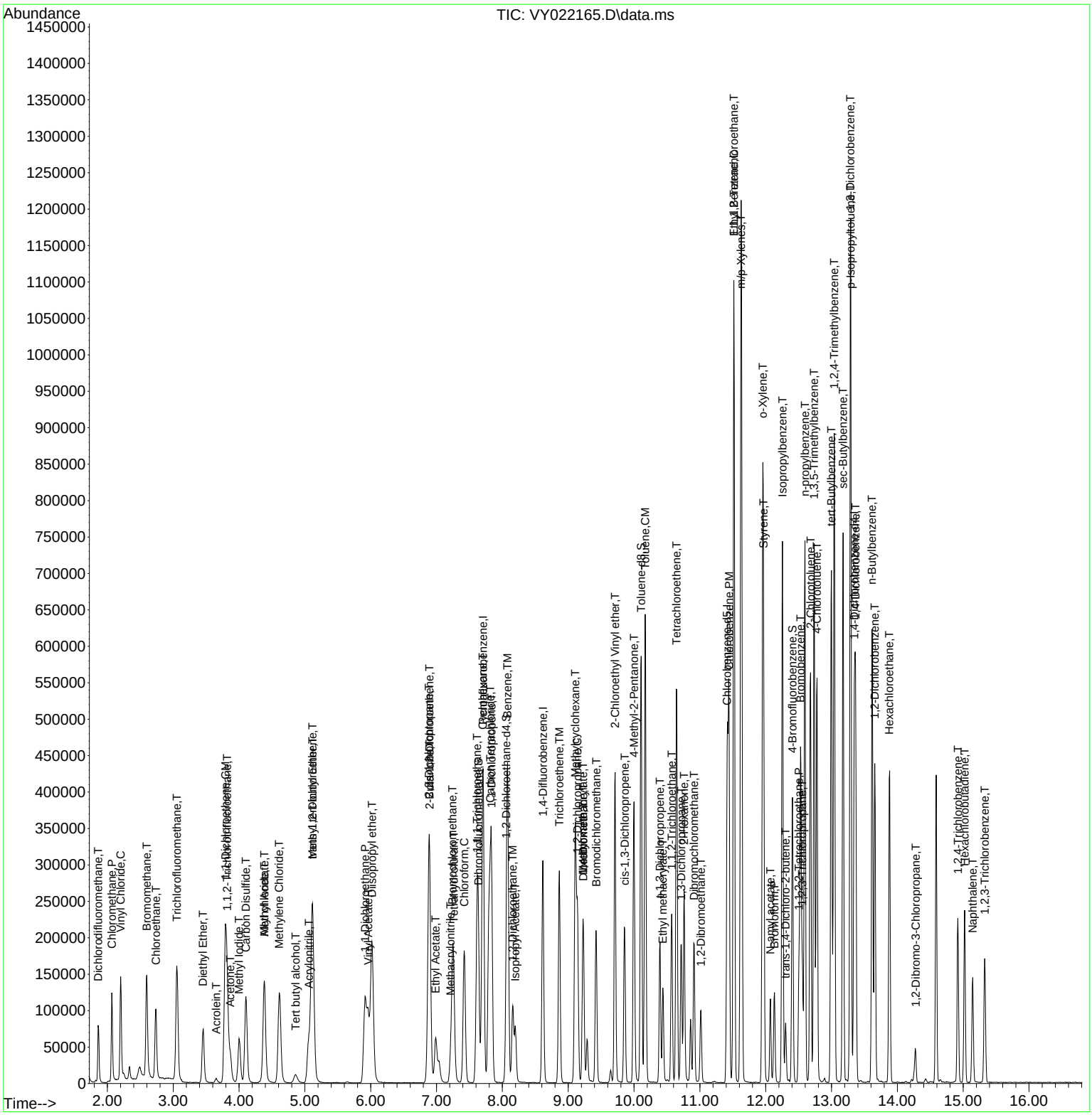
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022165.D
Acq On : 05 May 2025 17:28
Operator : SY/MD
Sample : Q1956-03MS
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 06 05:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



Raw Data: **VY022166.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	6.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022166.D	1		05/05/25 17:51	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	45.3		0.99	4.30	ug/Kg
74-87-3	Chloromethane	46.2		0.99	4.30	ug/Kg
75-01-4	Vinyl Chloride	51.2		0.68	4.30	ug/Kg
74-83-9	Bromomethane	43.4		0.93	4.30	ug/Kg
75-00-3	Chloroethane	51.5		1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	46.8		1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	46.8		0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	46.8		0.87	4.30	ug/Kg
67-64-1	Acetone	200		4.10	21.7	ug/Kg
75-15-0	Carbon Disulfide	41.8		0.92	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	42.0		0.63	4.30	ug/Kg
79-20-9	Methyl Acetate	67.4		1.30	4.30	ug/Kg
75-09-2	Methylene Chloride	43.0		3.10	8.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	47.0		0.75	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	50.3		0.69	4.30	ug/Kg
110-82-7	Cyclohexane	46.7		0.68	4.30	ug/Kg
78-93-3	2-Butanone	180		5.70	21.7	ug/Kg
56-23-5	Carbon Tetrachloride	49.3		0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	47.5		0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	44.2		1.00	4.30	ug/Kg
67-66-3	Chloroform	49.7		0.73	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	49.7		0.81	4.30	ug/Kg
108-87-2	Methylcyclohexane	48.1		0.79	4.30	ug/Kg
71-43-2	Benzene	50.5		0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	44.9		0.68	4.30	ug/Kg
79-01-6	Trichloroethene	47.8		0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	50.3		0.79	4.30	ug/Kg
75-27-4	Bromodichloromethane	47.9		0.68	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	190		3.10	21.7	ug/Kg
108-88-3	Toluene	51.4		0.68	4.30	ug/Kg

Raw Data: **VY022166.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	6.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022166.D	1		05/05/25 17:51	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	41.4		0.56	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	44.2		0.54	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	43.0		0.80	4.30	ug/Kg
591-78-6	2-Hexanone	180		3.20	21.7	ug/Kg
124-48-1	Dibromochloromethane	43.1		0.75	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	40.2		0.76	4.30	ug/Kg
127-18-4	Tetrachloroethene	49.2		0.91	4.30	ug/Kg
108-90-7	Chlorobenzene	47.7		0.79	4.30	ug/Kg
100-41-4	Ethyl Benzene	51.9		0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	100		1.10	8.70	ug/Kg
95-47-6	o-Xylene	51.4		0.71	4.30	ug/Kg
100-42-5	Styrene	38.0		0.62	4.30	ug/Kg
75-25-2	Bromoform	39.0		0.75	4.30	ug/Kg
98-82-8	Isopropylbenzene	55.0		0.68	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	42.8		1.00	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	45.9		1.50	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	44.1		1.40	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	44.3		1.30	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	36.4		1.60	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	28.7		2.60	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	25.7		2.80	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	56.8		70 - 134	114%	SPK: 50
2037-26-5	Toluene-d8	58.8		74 - 123	118%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		38 - 136	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	7.707			
540-36-3	1,4-Difluorobenzene	282000	8.616			
3114-55-4	Chlorobenzene-d5	252000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.347			

Raw Data: **VY022166.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	6.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022166.D	1		05/05/25 17:51	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY022166.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022166.D
Acq On : 05 May 2025 17:51
Operator : SY/MD
Sample : Q1956-04MSD
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 06 05:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	183464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	282446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	251760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	123121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87005	51.342	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.680%			
35) Dibromofluoromethane	7.634	113	105973	56.792	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.580%			
50) Toluene-d8	10.103	98	413665	58.803	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.600%			
62) 4-Bromofluorobenzene	12.408	95	124343	52.506	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	81774	52.309	ug/l	100
3) Chloromethane	2.068	50	118676	53.314	ug/l	98
4) Vinyl Chloride	2.202	62	161541	59.056	ug/l	97
5) Bromomethane	2.598	94	117988	50.066	ug/l	96
6) Chloroethane	2.733	64	110689	59.417	ug/l	99
7) Trichlorofluoromethane	3.056	101	194574	53.943	ug/l	97
8) Diethyl Ether	3.452	74	44592	47.498	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	105713	54.026	ug/l	99
10) Methyl Iodide	4.007	142	119042	52.546	ug/l	98
11) Tert butyl alcohol	4.854	59	18407	197.854	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	98515	54.015	ug/l	95
13) Acrolein	3.653	56	7179	42.994	ug/l	98
14) Allyl chloride	4.385	41	109738	51.674	ug/l	98
15) Acrylonitrile	5.061	53	72479	210.881	ug/l	97
16) Acetone	3.866	43	51345	229.748	ug/l	98
17) Carbon Disulfide	4.104	76	280241	48.191	ug/l	99
18) Methyl Acetate	4.385	43	61528	77.726	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	197911	48.483	ug/l	97
20) Methylene Chloride	4.616	84	106339	49.626	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	110817	54.254	ug/l	94
22) Diisopropyl ether	6.019	45	272553	57.672	ug/l	96
23) Vinyl Acetate	5.964	43	267112	104.874	ug/l	100
24) 1,1-Dichloroethane	5.915	63	190132	58.041	ug/l	99
25) 2-Butanone	6.890	43	79899	206.841	ug/l	97
26) 2,2-Dichloropropane	6.884	77	148215	51.622	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	125082	54.767	ug/l	97
28) Bromochloromethane	7.244	49	64816	50.940	ug/l	98
29) Tetrahydrofuran	7.262	42	52721	210.142	ug/l	99
30) Chloroform	7.421	83	208535	57.390	ug/l	98
31) Cyclohexane	7.701	56	150783	53.826	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	188359	57.297	ug/l	99
36) 1,1-Dichloropropene	7.835	75	143475	57.241	ug/l	99
37) Ethyl Acetate	6.982	43	35584	39.528	ug/l	98
38) Carbon Tetrachloride	7.817	117	170289	56.855	ug/l	97
39) Methylcyclohexane	9.109	83	175064	55.500	ug/l	97
40) Benzene	8.079	78	456229	58.227	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022166.D
Acq On : 05 May 2025 17:51
Operator : SY/MD
Sample : Q1956-04MSD
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 06 05:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	21897m	44.496	ug/l		
42) 1,2-Dichloroethane	8.158	62	100489	51.801	ug/l		98
43) Isopropyl Acetate	8.195	43	74871	43.308	ug/l		96
44) Trichloroethene	8.866	130	119569	55.094	ug/l		95
45) 1,2-Dichloropropane	9.140	63	100532	58.019	ug/l		97
46) Dibromomethane	9.231	93	53037	48.897	ug/l		97
47) Bromodichloromethane	9.420	83	149820	55.290	ug/l		100
48) Methyl methacrylate	9.219	41	38804	48.554	ug/l		98
49) 1,4-Dioxane	9.231	88	8383	725.118	ug/l		93
51) 4-Methyl-2-Pentanone	10.000	43	202252	223.173	ug/l		97
52) Toluene	10.170	92	300939	59.335	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	111052	47.780	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	141008	51.037	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	71864	49.600	ug/l		98
56) Ethyl methacrylate	10.438	69	69351	41.856	ug/l		96
57) 1,3-Dichloropropane	10.719	76	116040	49.958	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	180773	223.149	ug/l		99
59) 2-Hexanone	10.762	43	127478	213.262	ug/l		98
60) Dibromochloromethane	10.908	129	99678	49.691	ug/l		100
61) 1,2-Dibromoethane	11.012	107	63429	46.372	ug/l		98
64) Tetrachloroethene	10.646	164	134923	56.809	ug/l		98
65) Chlorobenzene	11.444	112	310166	55.092	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	113644	57.336	ug/l		99
67) Ethyl Benzene	11.518	91	551660	59.899	ug/l		99
68) m/p-Xylenes	11.627	106	437997	119.515	ug/l		99
69) o-Xylene	11.957	106	200228	59.278	ug/l		99
70) Styrene	11.969	104	248695	43.851	ug/l		96
71) Bromoform	12.133	173	51847	44.992	ug/l	#	100
73) Isopropylbenzene	12.255	105	521638	63.415	ug/l		100
74) N-amyl acetate	12.072	43	50669	35.852	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	68497	49.391	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	52521m	49.802	ug/l		
77) Bromobenzene	12.530	156	114981	55.318	ug/l		98
78) n-propylbenzene	12.597	91	622550	63.552	ug/l		99
79) 2-Chlorotoluene	12.682	91	353120	61.984	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	422747	62.374	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	17529	40.027	ug/l		99
82) 4-Chlorotoluene	12.773	91	353572	59.703	ug/l		100
83) tert-Butylbenzene	12.999	119	381232	62.718	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	412129	60.794	ug/l		100
85) sec-Butylbenzene	13.176	105	541984	60.934	ug/l		100
86) p-Isopropyltoluene	13.292	119	445785	59.021	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	223349	52.906	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	212649	50.860	ug/l		100
89) n-Butylbenzene	13.615	91	364597	54.006	ug/l		100
90) Hexachloroethane	13.877	117	92672	55.845	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	188153	51.100	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9261	41.973	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	69006	33.072	ug/l		99
94) Hexachlorobutadiene	15.023	225	42326	32.970	ug/l		97
95) Naphthalene	15.145	128	107843	31.114	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	53430	29.665	ug/l		99

Sample Results: **VY022166.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022166.D
Acq On : 05 May 2025 17:51
Operator : SY/MD
Sample : Q1956-04MSD
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 06 05:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

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

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

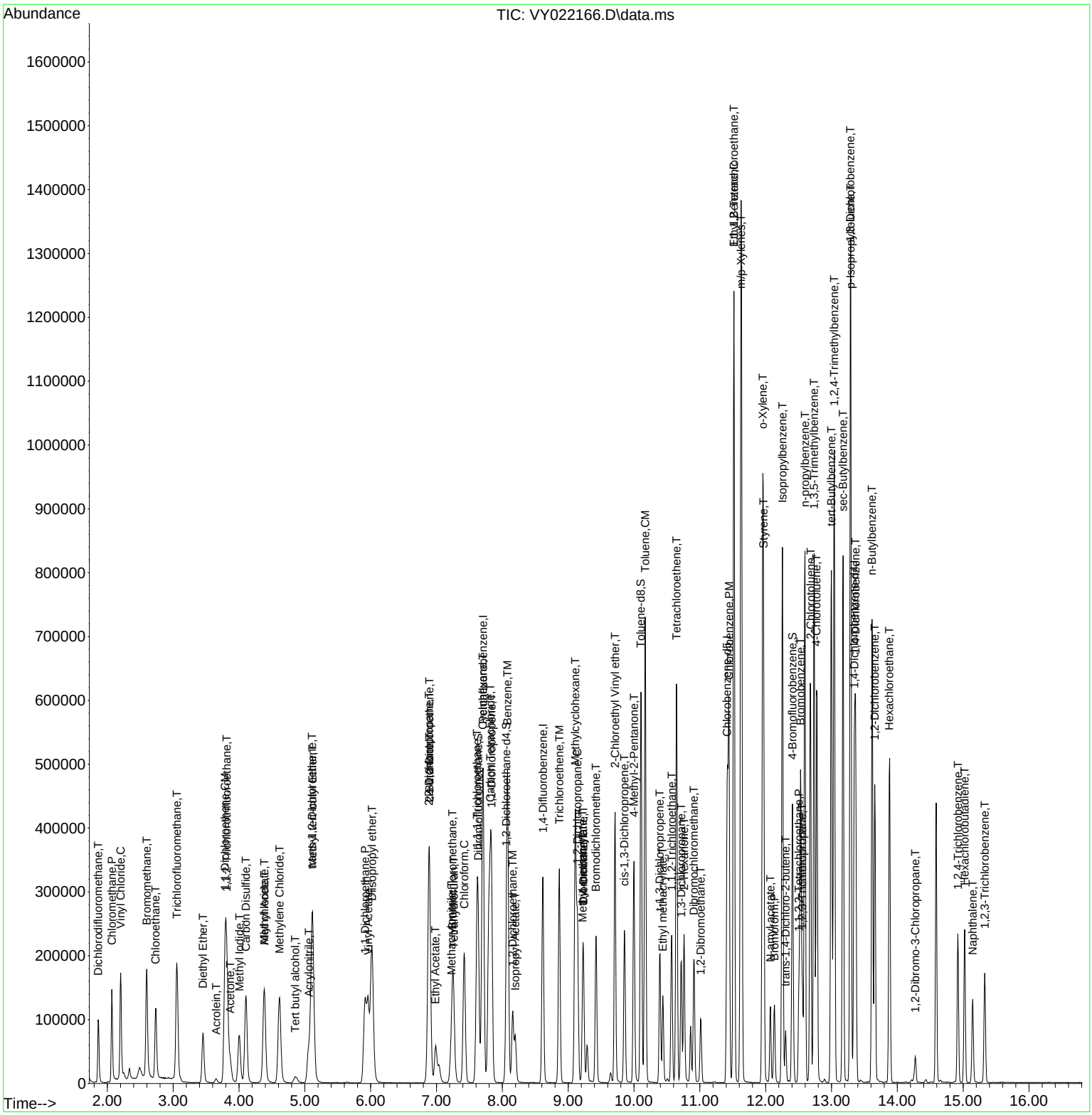
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022166.D
Acq On : 05 May 2025 17:51
Operator : SY/MD
Sample : Q1956-04MSD
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 06 05:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



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

Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086277.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	1,4-Dichlorobenzene	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	Acetone	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	Vinyl Acetate	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	Allyl chloride	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	Vinyl Acetate	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN086282.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICC100	VN086282.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN050525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086478.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:56:49 AM	MMDadoda	5/6/2025 12:40:29 PM	Peak Integrated by Software
VN0505WBS01	VN086481.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:56:54 AM	MMDadoda	5/6/2025 12:40:29 PM	Peak Integrated by Software
VSTDCCC050	VN086502.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:57:41 AM	MMDadoda	5/6/2025 12:40:38 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

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

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

Manual Integration Report

Sequence:	VX051425	Instrument	MSVOA_x

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

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

Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

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

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

Manual Integration Report

Sequence:	VY050525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022145.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:34 PM	Sam	5/6/2025 12:44:33 PM	Peak Integrated by Software
VSTDCCC050	VY022145.D	Methacrylonitrile	MMDadoda	5/6/2025 12:43:34 PM	Sam	5/6/2025 12:44:33 PM	Peak Integrated by Software
VY0505SBS01	VY022147.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:36 PM	Sam	5/6/2025 12:44:35 PM	Peak Integrated by Software
Q1956-03MS	VY022165.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:38 PM	Sam	5/6/2025 12:44:38 PM	Peak Integrated by Software
Q1956-03MS	VY022165.D	Methacrylonitrile	MMDadoda	5/6/2025 12:43:38 PM	Sam	5/6/2025 12:44:38 PM	Peak Integrated by Software
Q1956-04MSD	VY022166.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:40 PM	Sam	5/6/2025 12:44:39 PM	Peak Integrated by Software
Q1956-04MSD	VY022166.D	Methacrylonitrile	MMDadoda	5/6/2025 12:43:40 PM	Sam	5/6/2025 12:44:39 PM	Peak Integrated by Software
VSTDCCC050	VY022168.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:41 PM	Sam	5/6/2025 12:44:41 PM	Peak Integrated by Software
VSTDCCC050	VY022168.D	Methacrylonitrile	MMDadoda	5/6/2025 12:43:41 PM	Sam	5/6/2025 12:44:41 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM				
SubDirectory	VN041525	HP Acquire Method	MSVOA_N		HP Processing Method	82N041525W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP133665
Initial Calibration Stds	VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC	
Internal Standard/PEM	VP131746
ICV/I.BLK	VP133673
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086276.D	15 Apr 2025 10:47	JC\MD	Ok
2	VSTDICC001	VN086277.D	15 Apr 2025 11:29	JC\MD	Ok,M
3	VSTDICC005	VN086278.D	15 Apr 2025 12:21	JC\MD	Ok,M
4	VSTDICC010	VN086279.D	15 Apr 2025 12:45	JC\MD	Ok,M
5	VSTDICC020	VN086280.D	15 Apr 2025 13:09	JC\MD	Ok,M
6	VSTDICCC050	VN086281.D	15 Apr 2025 13:51	JC\MD	Ok,M
7	VSTDICC100	VN086282.D	15 Apr 2025 14:29	JC\MD	Ok,M
8	VIBLK	VN086283.D	15 Apr 2025 15:06	JC\MD	Ok
9	VSTDICV050	VN086284.D	15 Apr 2025 15:30	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086477.D	05 May 2025 10:23	JC\MD	Ok
2	VSTDCCC050	VN086478.D	05 May 2025 11:32	JC\MD	Ok,M
3	VN0505MBL01	VN086479.D	05 May 2025 12:13	JC\MD	Ok
4	VN0505WBL01	VN086480.D	05 May 2025 12:38	JC\MD	Ok
5	VN0505WBS01	VN086481.D	05 May 2025 13:02	JC\MD	Ok,M
6	VN0505WBSD01	VN086482.D	05 May 2025 13:36	JC\MD	Ok,M
7	IBLK	VN086483.D	05 May 2025 14:00	JC\MD	Ok
8	Q1942-01	VN086484.D	05 May 2025 14:24	JC\MD	Ok
9	Q1942-02	VN086485.D	05 May 2025 14:48	JC\MD	Ok
10	Q1942-03	VN086486.D	05 May 2025 15:12	JC\MD	Ok
11	Q1942-04	VN086487.D	05 May 2025 15:36	JC\MD	Ok
12	Q1956-07	VN086488.D	05 May 2025 16:00	JC\MD	Ok
13	Q1929-05RE	VN086489.D	05 May 2025 16:25	JC\MD	Confirms
14	Q1929-09RE	VN086490.D	05 May 2025 16:49	JC\MD	Confirms
15	VN0505MBS01	VN086491.D	05 May 2025 17:13	JC\MD	Ok,M
16	VN0505MBSD01	VN086492.D	05 May 2025 17:37	JC\MD	Ok,M
17	Q1914-06ME	VN086493.D	05 May 2025 18:01	JC\MD	Not Ok
18	Q1914-07MEDL	VN086494.D	05 May 2025 18:25	JC\MD	Ok
19	Q1914-08DL	VN086495.D	05 May 2025 18:49	JC\MD	Ok
20	Q1914-09MEDL	VN086496.D	05 May 2025 19:14	JC\MD	Ok
21	Q1914-12	VN086497.D	05 May 2025 19:38	JC\MD	Not Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VN086498.D	05 May 2025 20:02	JC\MD	Ok
23	Q1939-03	VN086499.D	05 May 2025 20:26	JC\MD	Not Ok
24	Q1939-06	VN086500.D	05 May 2025 20:50	JC\MD	Ok
25	IBLK	VN086501.D	05 May 2025 21:14	JC\MD	Ok
26	VSTDCCC050	VN086502.D	05 May 2025 21:38	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDICC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDICC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDICC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDICCC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDICC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDICC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDICC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDICC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051425

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VX051425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133910
Initial Calibration Stds	
CCC	VP133911,VP133912
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046180.D	14 May 2025 09:29	JC/MD	Ok
2	VSTDCCC050	VX046181.D	14 May 2025 09:59	JC/MD	Ok,NR
3	VX0514MBL01	VX046182.D	14 May 2025 10:27	JC/MD	Ok
4	VX0514WBL01	VX046183.D	14 May 2025 10:50	JC/MD	Ok
5	Q1956-09	VX046184.D	14 May 2025 11:13	JC/MD	Ok
6	Q2018-06	VX046185.D	14 May 2025 11:37	JC/MD	ReRun
7	Q2032-11	VX046186.D	14 May 2025 12:00	JC/MD	ReRun
8	Q2032-12	VX046187.D	14 May 2025 12:23	JC/MD	ReRun
9	VX0514WBS01	VX046188.D	14 May 2025 12:46	JC/MD	Ok,NR
10	VX0514WBSD01	VX046189.D	14 May 2025 13:12	JC/MD	Ok,NR
11	Q2001-05DL	VX046190.D	14 May 2025 13:35	JC/MD	Ok
12	Q2001-09DL	VX046191.D	14 May 2025 13:59	JC/MD	Ok
13	Q2001-13DL	VX046192.D	14 May 2025 14:22	JC/MD	Ok
14	Q2018-04DL	VX046193.D	14 May 2025 14:45	JC/MD	Ok
15	IBLK	VX046194.D	14 May 2025 15:09	JC/MD	Ok
16	Q2033-01	VX046195.D	14 May 2025 15:32	JC/MD	Ok
17	IBLK	VX046196.D	14 May 2025 15:55	JC/MD	Ok
18	Q2043-05	VX046197.D	14 May 2025 16:19	JC/MD	Not Ok
19	VSTDCCC050	VX046198.D	14 May 2025 16:42	JC/MD	Ok,NR

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM				
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDICC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDICC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDICC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDICCC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDICC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDICC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM				
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133812
Initial Calibration Stds	
CCC	VP133813,VP133814
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022144.D	05 May 2025 08:15	SY/MD	Ok
2	VSTDCCC050	VY022145.D	05 May 2025 08:46	SY/MD	Ok,M
3	VY0505SBL01	VY022146.D	05 May 2025 09:24	SY/MD	Ok
4	VY0505SBS01	VY022147.D	05 May 2025 09:55	SY/MD	Ok,M
5	VY0505SBSD01	VY022148.D	05 May 2025 10:17	SY/MD	Ok,M
6	Q1933-01RE	VY022149.D	05 May 2025 11:14	SY/MD	Confirms
7	Q1946-01	VY022150.D	05 May 2025 11:37	SY/MD	Ok
8	Q1952-01	VY022151.D	05 May 2025 12:01	SY/MD	ReRun
9	Q1951-03	VY022152.D	05 May 2025 12:24	SY/MD	Ok
10	Q1947-03	VY022153.D	05 May 2025 12:47	SY/MD	Ok
11	Q1947-07	VY022154.D	05 May 2025 13:11	SY/MD	Ok
12	Q1938-02	VY022155.D	05 May 2025 13:34	SY/MD	Ok
13	Q1938-04	VY022156.D	05 May 2025 13:58	SY/MD	Ok
14	Q1938-06	VY022157.D	05 May 2025 14:21	SY/MD	Ok
15	Q1938-08	VY022158.D	05 May 2025 14:45	SY/MD	Ok
16	Q1936-04	VY022159.D	05 May 2025 15:08	SY/MD	Ok
17	Q1936-06	VY022160.D	05 May 2025 15:31	SY/MD	Ok
18	Q1936-08	VY022161.D	05 May 2025 15:55	SY/MD	Ok
19	Q1956-01	VY022162.D	05 May 2025 16:18	SY/MD	Ok
20	Q1956-02	VY022163.D	05 May 2025 16:42	SY/MD	Ok
21	Q1956-06	VY022164.D	05 May 2025 17:05	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM				
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133812
Initial Calibration Stds	
CCC	VP133813,VP133814
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1956-03MS	VY022165.D	05 May 2025 17:28	SY/MD	Ok,M
23	Q1956-04MSD	VY022166.D	05 May 2025 17:51	SY/MD	Ok,M
24	Q1883-17	VY022167.D	05 May 2025 18:14	SY/MD	Ok
25	VSTDCCC050	VY022168.D	05 May 2025 18:37	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_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM		
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133665
Initial Calibration Stds	VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC	
Internal Standard/PEM	VP131746
ICV/I.BLK	VP133673
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086276.D	15 Apr 2025 10:47		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086277.D	15 Apr 2025 11:29		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086278.D	15 Apr 2025 12:21	Comp.#13,16 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC010	VSTDICC010	VN086279.D	15 Apr 2025 12:45	Comp.#43 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN086280.D	15 Apr 2025 13:09		JC\MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VN086281.D	15 Apr 2025 13:51		JC\MD	Ok,M
7	VSTDICC100	VSTDICC100	VN086282.D	15 Apr 2025 14:29		JC\MD	Ok,M
8	VIBLK	VIBLK	VN086283.D	15 Apr 2025 15:06		JC\MD	Ok
9	VSTDICV050	ICVVN041525	VN086284.D	15 Apr 2025 15:30		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086477.D	05 May 2025 10:23		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086478.D	05 May 2025 11:32	pH#Lot#V12668	JC\MD	Ok,M
3	VN0505MBL01	VN0505MBL01	VN086479.D	05 May 2025 12:13		JC\MD	Ok
4	VN0505WBL01	VN0505WBL01	VN086480.D	05 May 2025 12:38		JC\MD	Ok
5	VN0505WBS01	VN0505WBS01	VN086481.D	05 May 2025 13:02		JC\MD	Ok,M
6	VN0505WBSD01	VN0505WBSD01	VN086482.D	05 May 2025 13:36		JC\MD	Ok,M
7	IBLK	IBLK	VN086483.D	05 May 2025 14:00		JC\MD	Ok
8	Q1942-01	STORAGE-BLANK-SO	VN086484.D	05 May 2025 14:24	vial A pH<2	JC\MD	Ok
9	Q1942-02	STORAGE-BLANK-WA	VN086485.D	05 May 2025 14:48	vial A pH<2	JC\MD	Ok
10	Q1942-03	STORAGE-BLANK-WA	VN086486.D	05 May 2025 15:12	vial A pH<2	JC\MD	Ok
11	Q1942-04	STORAGE-BLANK-SA	VN086487.D	05 May 2025 15:36	vial A pH<2	JC\MD	Ok
12	Q1956-07	FB-05022025	VN086488.D	05 May 2025 16:00	vial A pH<2 FB	JC\MD	Ok
13	Q1929-05RE	WC-A1-03-GRE	VN086489.D	05 May 2025 16:25	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
14	Q1929-09RE	WC-A1-04-GRE	VN086490.D	05 May 2025 16:49	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
15	VN0505MBS01	VN0505MBS01	VN086491.D	05 May 2025 17:13		JC\MD	Ok,M
16	VN0505MBSD01	VN0505MBSD01	VN086492.D	05 May 2025 17:37		JC\MD	Ok,M
17	Q1914-06ME	SS-5ME	VN086493.D	05 May 2025 18:01	run straight meoh	JC\MD	Not Ok
18	Q1914-07MEDL	SS-6MEDL	VN086494.D	05 May 2025 18:25		JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1914-08DL	SS-7DL	VN086495.D	05 May 2025 18:49		JC\MD	Ok
20	Q1914-09MEDL	SS-8MEDL	VN086496.D	05 May 2025 19:14		JC\MD	Ok
21	Q1914-12	SS-9	VN086497.D	05 May 2025 19:38	run soil	JC\MD	Not Ok
22	IBLK	IBLK	VN086498.D	05 May 2025 20:02		JC\MD	Ok
23	Q1939-03	GB2	VN086499.D	05 May 2025 20:26	Need Straight Run	JC\MD	Not Ok
24	Q1939-06	GB3B	VN086500.D	05 May 2025 20:50	vial C	JC\MD	Ok
25	IBLK	IBLK	VN086501.D	05 May 2025 21:14		JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN086502.D	05 May 2025 21:38		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDICC005	VSTDICC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDICC001	VSTDICC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051425

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VX051425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133910
Initial Calibration Stds	
CCC	VP133911,VP133912
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046180.D	14 May 2025 09:29		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046181.D	14 May 2025 09:59		JC/MD	Ok,NR
3	VX0514MBL01	VX0514MBL01	VX046182.D	14 May 2025 10:27		JC/MD	Ok
4	VX0514WBL01	VX0514WBL01	VX046183.D	14 May 2025 10:50		JC/MD	Ok
5	Q1956-09	TB	VX046184.D	14 May 2025 11:13	TB	JC/MD	Ok
6	Q2018-06	FB	VX046185.D	14 May 2025 11:37	FB;Contamination of tics	JC/MD	ReRun
7	Q2032-11	FB-05132025	VX046186.D	14 May 2025 12:00	FB;Contamination of tics	JC/MD	ReRun
8	Q2032-12	TB	VX046187.D	14 May 2025 12:23	TB;Contamination of tics	JC/MD	ReRun
9	VX0514WBS01	VX0514WBS01	VX046188.D	14 May 2025 12:46		JC/MD	Ok,NR
10	VX0514WBSD01	VX0514WBSD01	VX046189.D	14 May 2025 13:12		JC/MD	Ok,NR
11	Q2001-05DL	WC-A1-05-GDL	VX046190.D	14 May 2025 13:35		JC/MD	Ok
12	Q2001-09DL	WC-A1-06-GDL	VX046191.D	14 May 2025 13:59		JC/MD	Ok
13	Q2001-13DL	WC-A1-07-GDL	VX046192.D	14 May 2025 14:22		JC/MD	Ok
14	Q2018-04DL	MW2DL	VX046193.D	14 May 2025 14:45		JC/MD	Ok
15	IBLK	IBLK	VX046194.D	14 May 2025 15:09		JC/MD	Ok
16	Q2033-01	TW-WTS-08	VX046195.D	14 May 2025 15:32		JC/MD	Ok
17	IBLK	IBLK	VX046196.D	14 May 2025 15:55		JC/MD	Ok
18	Q2043-05	3139	VX046197.D	14 May 2025 16:19	Need Straight Run	JC/MD	Not Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051425

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VX051425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133910
Initial Calibration Stds	
CCC	VP133911,VP133912
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VX046198.D	14 May 2025 16:42		JC/MD	Ok,NR

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM		
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133812
Initial Calibration Stds	
CCC	VP133813,VP133814
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022144.D	05 May 2025 08:15		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022145.D	05 May 2025 08:46		SY/MD	Ok,M
3	VY0505SBL01	VY0505SBL01	VY022146.D	05 May 2025 09:24		SY/MD	Ok
4	VY0505SBS01	VY0505SBS01	VY022147.D	05 May 2025 09:55		SY/MD	Ok,M
5	VY0505SBSD01	VY0505SBSD01	VY022148.D	05 May 2025 10:17		SY/MD	Ok,M
6	Q1933-01RE	OK-01-050125RE	VY022149.D	05 May 2025 11:14	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1946-01	BB-CONCRETE	VY022150.D	05 May 2025 11:37	vial-A	SY/MD	Ok
8	Q1952-01	CLEAN-FILL	VY022151.D	05 May 2025 12:01	vial-A Internal Standard Fail	SY/MD	ReRun
9	Q1951-03	MH-KK-VOC	VY022152.D	05 May 2025 12:24	vial-A	SY/MD	Ok
10	Q1947-03	MH-P-VOC	VY022153.D	05 May 2025 12:47	vial-A	SY/MD	Ok
11	Q1947-07	MH-O-VOC	VY022154.D	05 May 2025 13:11	vial-A	SY/MD	Ok
12	Q1938-02	LOWER-WALL-PILE-A	VY022155.D	05 May 2025 13:34	vial-A	SY/MD	Ok
13	Q1938-04	LOWER-WALL-PILE-B	VY022156.D	05 May 2025 13:58	vial-A	SY/MD	Ok
14	Q1938-06	LOWER-WALL-PILE-C	VY022157.D	05 May 2025 14:21	vial-A	SY/MD	Ok
15	Q1938-08	LOWER-WALL-PILE-D	VY022158.D	05 May 2025 14:45	vial-A	SY/MD	Ok
16	Q1936-04	SMALL-PILE-B	VY022159.D	05 May 2025 15:08	vial-A	SY/MD	Ok
17	Q1936-06	SMALL-PILE-C	VY022160.D	05 May 2025 15:31	vial-A	SY/MD	Ok
18	Q1936-08	SMALL-PILE-D	VY022161.D	05 May 2025 15:55	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM		
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133812
Initial Calibration Stds	
CCC	VP133813,VP133814
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1956-01	SB1-3-4	VY022162.D	05 May 2025 16:18	vial-A	SY/MD	Ok
20	Q1956-02	SB2-4-5	VY022163.D	05 May 2025 16:42	vial-A	SY/MD	Ok
21	Q1956-06	SB91-3-4	VY022164.D	05 May 2025 17:05	vial-A	SY/MD	Ok
22	Q1956-03MS	SB2-4-5MS	VY022165.D	05 May 2025 17:28	vial-A	SY/MD	Ok,M
23	Q1956-04MSD	SB2-4-5MSD	VY022166.D	05 May 2025 17:51	vial-A	SY/MD	Ok,M
24	Q1883-17	SO-TB-01-042325	VY022167.D	05 May 2025 18:14	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY022168.D	05 May 2025 18:37		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/6/2025

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

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:30
Out Date: 05/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135668

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
Q1956-01	SB1-3-4	1	1.17	9.98	11.15	10.05	89.0	
Q1956-02	SB2-4-5	2	1.18	10.62	11.8	11.11	93.5	
Q1956-03	Q1956-02MS	3	1.18	10.62	11.8	11.11	93.5	
Q1956-04	Q1956-02MSD	4	1.18	10.62	11.8	11.11	93.5	
Q1956-06	SB91-3-4	5	1.14	10.65	11.79	10.75	90.2	
Q1957-01	AT090P-SD05-050125-00	6	1.15	10.74	11.89	3.3	20.0	
Q1957-02	AT090P-SD03-050125-00	7	1.18	10.90	12.08	3.97	25.6	
Q1957-03	AT090P-SD04-050125-00	8	1.19	10.36	11.55	2.09	8.7	
Q1958-01	SS050P-SD28-043025-00	9	1.16	10.21	11.37	9.51	81.8	
Q1958-02	SS050P-SD29-043025-00	10	1.17	9.97	11.14	3.2	20.4	
Q1958-03	SS050P-SD30-050225-00	11	1.19	10.62	11.81	9.59	79.1	
Q1958-04	SS050P-SD31-050225-00	12	1.19	10.13	11.32	9.18	78.9	
Q1959-01	SOIL-PILE	13	1.18	10.18	11.36	10.11	87.7	
Q1960-01	344	14	1.00	1.00	2.00	2.00	100.0	stone sample,100% solids
Q1960-02	72-11933	15	1.15	10.38	11.53	10.24	87.6	
Q1961-01	EO-01-050225	16	1.18	10.08	11.26	10.53	92.8	
Q1961-02	EO-01-050225-E2	17	1.14	10.18	11.32	10.88	95.7	
Q1962-01	HD-01-050525	18	1.18	10.10	11.28	9.87	86.0	
Q1962-02	HD-01-050525-E2	19	1.19	10.43	11.62	9.91	83.6	

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

WORKLIST(Hardcopy Internal Chain)

LB1356668

WorkList Name : %1-050525-1 **WorkList ID :** 189298 **Department :** Wet-Chemistry **Date :** 05-05-2025 08:48:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1956-01	SB1-3-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/01/2025	Chemtech -SO
Q1956-02	SB2-4-5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1956-03	Q1956-02MS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1956-04	Q1956-02MSD	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1956-06	SB91-3-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1957-01	AT090P-SD05-050125-00	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/01/2025	Chemtech -SO
Q1957-02	AT090P-SD03-050125-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/01/2025	Chemtech -SO
Q1957-03	AT090P-SD04-050125-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/01/2025	Chemtech -SO
Q1958-01	SS050P-SD28-043025-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/01/2025	Chemtech -SO
Q1958-02	SS050P-SD29-043025-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	04/30/2025	Chemtech -SO
Q1958-03	SS050P-SD30-050225-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	04/30/2025	Chemtech -SO
Q1958-04	SS050P-SD31-050225-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/02/2025	Chemtech -SO
Q1959-01	SOIL-PILE	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/02/2025	Chemtech -SO
Q1960-01	344	Solid	Percent Solids	Cool 4 deg C	PSEG04	L41	05/05/2025	Chemtech -SO
Q1960-02	72-11933	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/05/2025	Chemtech -SO
Q1961-01	EO-01-050225	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/05/2025	Chemtech -SO
Q1961-02	EO-01-050225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	05/05/2025	Chemtech -SO
Q1962-01	HD-01-050525	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	05/05/2025	Chemtech -SO
Q1962-02	HD-01-050525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	05/05/2025	Chemtech -SO

Date/Time 05/05/25 15:20
Raw Sample Received by: JR WQ
Raw Sample Relinquished by: SM

Date/Time 05/05/25 17:15
Raw Sample Received by: SM
Raw Sample Relinquished by: JR WQ

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. Q19560
COC Number 2046701

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM Smith
ADDRESS: 110 Fieldcrest Avenue #8 6th Floor
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: Marcie Encinas
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: Bergen Point Project
PROJECT NO.: 99939 LOCATION: W. Babylon, NY
PROJECT MANAGER: Marcie Encinas
e-mail: ENcinasMA@CDMSmith.com
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM Smith PO#:
ADDRESS: 110 Fieldcrest Avenue, #8 Floor 6th
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: Marcie Encinas PHONE: 732-590-4690

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: TCL VOC
2: TCL SVOC
3: TAL METALS
4: PCBs
5: PESTICIDES
6: HERBICIDES
7: PRO/GRO
8: FULL TCLP
9: RCRA CHARAC

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	SB1 - 3-4'	Soil		X	5/1/25	9:00am	13	X	X	X	X	X	X	X			E
2.	SB2-4-5'	Soil		X	5/2/25	12:00pm	13	X	X	X	X	X	X	X			E
3.	COMP1	Soil	X		5/2/25	1:30pm	3								X	X	E
4.	SB91 - 3-4'	Soil		X	5/1/25	9:20am	13	X	X	X	X	X	X	X	X		E
5.	SB2 - MS	Soil		X	5/2/25	12:30pm	13	X	X	X	X	X	X	X			E
6.	SB2 - MSD	Soil		X	5/2/25	12:40pm	13	X	X	X	X	X	X	X			E
7.	FB-05022025	Aqueous		X	5/2/25	11:00am	9	X	X	X	X	X	X	X			E, A, B
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5.2.2025 1404	1.
2.		2.
3.	5.2.2025 1826	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.3 °C
Comments: IR Gun #1 (Adjusted Factor + 1)

Page _____ of

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.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1956 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/2/2025 3:14:35 PM
Project Name : Bergen Point Fueling Syste
Receive DateTime : 5/2/2025 ~~12:00:00~~ AM 18:26
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1956-01	SB1-3-4	Solid	05/01/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-02	SB2-4-5	Solid	05/02/2025	12:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-03	Q1956-02MS	Solid	05/02/2025	12:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-04	Q1956-02MSD	Solid	05/02/2025	12:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-06	~~SB19~~-3-4 SB91	Solid	05/01/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-07	FB-05022025	Water	05/02/2025	11:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1956 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/2/2025 3:14:35 PM
Project Name : Bergen Point Fueling Syste
Receive DateTime : 5/2/2025 ~~12:00:00~~ 15:26 AM
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1956-09 TB		water	5/2/25	12:00	VOC-TCLVOA-10		8260-LOW		10 Bus Days.

Relinguished By : [signature]
Date / Time : 5/5/25 0835

Received By : [signature]
Date / Time : 5/5/25 08:35
Storage Area : VOA Refridgerator Room

Rep # 6
FZ-2