

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061025\
 Data File : VW031719.D
 Acq On : 10 Jun 2025 14:29
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV477

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2025
 Supervised By :Mahesh Dadoda 06/27/2025

Quant Time: Jun 26 08:10:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061025SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 25 07:47:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	369886	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	336378	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	161075	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.393	65	102122	22.045	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	88.160%	
7) Chloroethane-d5	2.929	69	82162	21.486	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	85.960%	
11) 1,1-Dichloroethene-d2	4.051	65	49142	20.201	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	80.800%	
21) 2-Butanone-d5	7.099	46	86098m	47.450	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	94.900%	
24) Chloroform-d	7.660	84	236750	22.081	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	88.320%	
26) 1,2-Dichloroethane-d4	8.313	65	139975	22.248	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	89.000%	
32) Benzene-d6	8.282	84	442683	21.762	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	87.040%	
36) 1,2-Dichloropropane-d6	9.276	67	133236	22.087	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	88.360%	
41) Toluene-d8	10.324	98	408181	21.746	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	87.000%	
43) trans-1,3-Dichloroprop...	10.581	79	61956	21.197	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	84.800%	
47) 2-Hexanone-d5	10.922	63	67772	47.772	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	95.540%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	135965	22.588	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	90.360%	
66) 1,2-Dichlorobenzene-d4	13.848	152	134893	21.842	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	87.360%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.039	85	75934	17.411	ug/L	99
3) Chloromethane	2.247	50	87220	19.977	ug/L	100
5) Vinyl chloride	2.399	62	105298	20.215	ug/L	97
6) Bromomethane	2.820	94	74859	20.215	ug/L	99
8) Chloroethane	2.966	64	67166	20.130	ug/L	93
9) Trichlorofluoromethane	3.295	101	78165	16.918	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.100	101	100930	20.391	ug/L #	87
12) 1,1-Dichloroethene	4.069	96	100540	20.334	ug/L	96
13) Acetone	4.149	43	54349	34.720	ug/L	100
14) Carbon disulfide	4.411	76	278446	20.366	ug/L	100
15) Methyl Acetate	4.704	43	73795	23.765	ug/L	99
16) Methylene chloride	4.947	84	114244	18.387	ug/L	99
17) trans-1,2-Dichloroethene	5.453	96	108195	21.072	ug/L	99
18) Methyl tert-butyl Ether	5.453	73	188427	22.476	ug/L	99
19) 1,1-Dichloroethane	6.234	63	203415	21.333	ug/L	99
20) cis-1,2-Dichloroethene	7.179	96	122516	21.444	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) 2-Butanone	7.191	43	93954	49.061	ug/L	98
23) Bromochloromethane	7.526	128	58883	22.813	ug/L	94
25) Chloroform	7.685	83	223507	21.879	ug/L	99
27) 1,2-Dichloroethane	8.404	62	165079	22.168	ug/L	98
29) Cyclohexane	7.965	56	179654	20.215	ug/L	99
30) 1,1,1-Trichloroethane	7.880	97	167310	21.293	ug/L	97
31) Carbon tetrachloride	8.075	117	148733	20.591	ug/L	97
33) Benzene	8.331	78	458043	21.692	ug/L	100
34) Trichloroethene	9.099	95	121458	20.426	ug/L	97
35) Methylcyclohexane	9.337	83	198076	20.521	ug/L	98
37) 1,2-Dichloropropane	9.373	63	117516	21.723	ug/L	99
38) Bromodichloromethane	9.648	83	159742	22.014	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	192732	21.875	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	209571	47.883	ug/L	99
42) Toluene	10.385	91	491683	21.615	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	167084	21.663	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	102426	22.428	ug/L	96
46) Tetrachloroethene	10.861	164	86454	20.533	ug/L	90
48) 2-Hexanone	10.965	43	146145	48.331	ug/L	98
49) Dibromochloromethane	11.129	129	105172	22.229	ug/L	90
50) 1,2-Dibromoethane	11.233	107	101242	22.421	ug/L	100
51) Chlorobenzene	11.660	112	319369	21.962	ug/L	91
52) Ethylbenzene	11.727	91	556295	21.441	ug/L	98
53) m,p-Xylene	11.836	106	207908	21.622	ug/L	93
54) o-Xylene	12.166	106	198619	21.596	ug/L	80
55) Styrene	12.178	104	354617	22.629	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.708	83	134224	22.989	ug/L	95
59) Bromoform	12.348	173	63504	22.458	ug/L	98
60) Isopropylbenzene	12.464	105	526953	21.009	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	104461	23.238	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	434395	21.671	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	436253	21.930	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	232604	21.752	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	234804	21.430	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	212556	21.314	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.482	75	26502	23.191	ug/L	98
69) 1,3,5-Trichlorobenzene	14.622	180	145184	20.659	ug/L	97
70) 1,2,4-trichlorobenzene	15.128	180	127753	20.747	ug/L	96
71) Naphthalene	15.360	128	356912	22.962	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	124941	21.595	ug/L	97

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

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