

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061025\
 Data File : VV038780.D
 Acq On : 10 Jun 2025 14:17
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050324

Quant Time: Jun 10 15:43:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 10 14:44:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	457759	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	485718	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	265708	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	157355	41.335	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	82.660%	
7) Chloroethane-d5	1.542	69	149307	42.847	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	85.700%	
11) 1,1-Dichloroethene-d2	2.069	65	76105	40.617	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	81.240%	
21) 2-Butanone-d5	3.783	46	389112	131.062	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	131.060%#	
24) Chloroform-d	4.249	84	403533	49.756	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	99.520%	
26) 1,2-Dichloroethane-d4	4.940	65	267553	56.509	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	113.020%	
32) Benzene-d6	4.960	84	740764	48.337	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	96.680%	
36) 1,2-Dichloropropane-d6	5.982	67	256027	50.302	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	100.600%	
41) Toluene-d8	7.236	98	664539	49.107	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	98.220%	
43) trans-1,3-Dichloroprop...	7.545	79	117220	52.809	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	105.620%	
47) 2-Hexanone-d5	8.014	63	272825	129.197	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	129.200%	
56) 1,1,2,2-Tetrachloroeth...	10.140	84	419459	55.541	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	111.080%	
66) 1,2-Dichlorobenzene-d4	11.548	152	239566	46.457	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	92.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.117	85	212171	39.450	ug/L	99
3) Chloromethane	1.227	50	242987	44.700	ug/L	100
5) Vinyl chloride	1.294	62	241089	42.910	ug/L	99
6) Bromomethane	1.494	94	144202	51.679	ug/L	100
8) Chloroethane	1.558	64	151254	44.827	ug/L	99
9) Trichlorofluoromethane	1.722	101	308505	41.615	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	185099	42.190	ug/L	99
12) 1,1-Dichloroethene	2.079	96	171854	43.449	ug/L	93
13) Acetone	2.117	43	307613	153.654	ug/L	94
14) Carbon disulfide	2.249	76	512919	42.426	ug/L	99
15) Methyl Acetate	2.378	43	339258	63.808	ug/L	93
16) Methylene chloride	2.455	84	242176	52.665	ug/L	93
17) trans-1,2-Dichloroethene	2.703	96	187883	47.233	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	704892	58.848	ug/L	98
19) 1,1-Dichloroethane	3.117	63	411198	49.753	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	220343	51.585	ug/L	94
22) 2-Butanone	3.860	43	440517	140.172	ug/L	98
23) Bromochloromethane	4.150	128	128015	56.143	ug/L	89
25) Chloroform	4.275	83	415214	51.020	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	341159	55.482	ug/L	99
29) Cyclohexane	4.584	56	290316	41.808	ug/L #	89
30) 1,1,1-Trichloroethane	4.513	97	312982	43.804	ug/L	97
31) Carbon tetrachloride	4.735	117	266180	42.925	ug/L	97
33) Benzene	5.008	78	852425	49.891	ug/L	100
34) Trichloroethene	5.831	95	204215	45.094	ug/L	98
35) Methylcyclohexane	6.047	83	293566	41.333	ug/L	95
37) 1,2-Dichloropropane	6.088	63	256160	52.037	ug/L	98
38) Bromodichloromethane	6.426	83	323851	50.704	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	371066	52.467	ug/L	100
40) 4-Methyl-2-pentanone	7.146	43	894606	132.943	ug/L	95
42) Toluene	7.307	91	873134	49.498	ug/L	98
44) trans-1,3-Dichloropropene	7.574	75	368659	54.006	ug/L	100
45) 1,1,2-Trichloroethane	7.760	97	261705	54.238	ug/L	99
46) Tetrachloroethene	7.899	164	145826	43.786	ug/L	98
48) 2-Hexanone	8.063	43	717617	144.022	ug/L	93
49) Dibromochloromethane	8.165	129	261704	53.398	ug/L	99
50) 1,2-Dibromoethane	8.275	107	272257	54.902	ug/L	99
51) Chlorobenzene	8.805	112	564096	47.393	ug/L	98
52) Ethylbenzene	8.937	91	900634	47.401	ug/L	100
53) m,p-Xylene	9.063	106	346309	49.664	ug/L	98
54) o-Xylene	9.468	106	336065	49.804	ug/L	99
55) Styrene	9.487	104	639688	54.434	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.165	83	452883	56.867	ug/L	99
59) Bromoform	9.654	173	193123	52.091	ug/L	98
60) Isopropylbenzene	9.857	105	863190	45.609	ug/L	100
61) 1,2,3-Trichloropropane	10.198	75	353036	54.363	ug/L	98
62) 1,3,5-Trimethylbenzene	10.468	105	685794	46.572	ug/L	99
63) 1,2,4-Trimethylbenzene	10.841	105	698423	48.003	ug/L	99
64) 1,3-Dichlorobenzene	11.107	146	429254	47.467	ug/L	99
65) 1,4-Dichlorobenzene	11.197	146	449359	46.166	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	439216	48.081	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.352	75	104374	56.236	ug/L	90
69) 1,3,5-Trichlorobenzene	12.570	180	264585	44.255	ug/L	100
70) 1,2,4-trichlorobenzene	13.185	180	229296	44.859	ug/L	99
71) Naphthalene	13.426	128	982518	54.110	ug/L	100
72) 1,2,3-Trichlorobenzene	13.667	180	263525	49.423	ug/L	99

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

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