

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061125\
 Data File : VV038782.D
 Acq On : 11 Jun 2025 14:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050325

Quant Time: Jun 11 15:00:45 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	478804	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	517658	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	293222	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	169645	42.604	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.200%		
7) Chloroethane-d5	1.542	69	161760	44.380	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.760%		
11) 1,1-Dichloroethene-d2	2.066	65	85574	43.663	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.320%		
21) 2-Butanone-d5	3.786	46	326979	105.293	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.290%		
24) Chloroform-d	4.249	84	416742	49.126	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.260%		
26) 1,2-Dichloroethane-d4	4.941	65	256534	51.800	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.600%		
32) Benzene-d6	4.957	84	775313	47.469	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.940%		
36) 1,2-Dichloropropane-d6	5.986	67	252619	46.570	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.140%		
41) Toluene-d8	7.236	98	712289	49.388	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.780%		
43) trans-1,3-Dichloroprop...	7.545	79	115944	49.011	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.020%		
47) 2-Hexanone-d5	8.014	63	250306	111.219	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.220%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	417845	51.914	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	103.820%		
66) 1,2-Dichlorobenzene-d4	11.548	152	262906	46.199	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.118	85	251922	44.782	ug/L	98
3) Chloromethane	1.227	50	249126	43.815	ug/L	99
5) Vinyl chloride	1.291	62	272939	46.443	ug/L	99
6) Bromomethane	1.494	94	152421	52.224	ug/L	96
8) Chloroethane	1.558	64	160853	45.576	ug/L	98
9) Trichlorofluoromethane	1.722	101	368018	47.461	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	217732	47.447	ug/L	99
12) 1,1-Dichloroethene	2.079	96	197777	47.805	ug/L	88
13) Acetone	2.118	43	248969	118.895	ug/L	97
14) Carbon disulfide	2.249	76	587812	46.483	ug/L	100
15) Methyl Acetate	2.378	43	297321	53.462	ug/L	93
16) Methylene chloride	2.452	84	240548	50.011	ug/L	92
17) trans-1,2-Dichloroethene	2.703	96	198824	47.786	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	645679	51.535	ug/L	98
19) 1,1-Dichloroethane	3.114	63	428072	49.518	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	228717	51.192	ug/L	94
22) 2-Butanone	3.863	43	376174	114.437	ug/L	96
23) Bromochloromethane	4.150	128	124896	52.367	ug/L	90
25) Chloroform	4.278	83	434054	50.991	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	339667	52.811	ug/L	100
29) Cyclohexane	4.584	56	334561	45.207	ug/L	96
30) 1,1,1-Trichloroethane	4.510	97	351435	46.151	ug/L	97
31) Carbon tetrachloride	4.735	117	308314	46.652	ug/L	99
33) Benzene	5.008	78	905107	49.706	ug/L	100
34) Trichloroethene	5.831	95	224161	46.444	ug/L	99
35) Methylcyclohexane	6.047	83	346121	45.726	ug/L	96
37) 1,2-Dichloropropane	6.088	63	259510	49.464	ug/L	98
38) Bromodichloromethane	6.426	83	335619	49.304	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	376561	49.959	ug/L	98
40) 4-Methyl-2-pentanone	7.146	43	806385	112.439	ug/L	95
42) Toluene	7.307	91	964603	51.310	ug/L	98
44) trans-1,3-Dichloropropene	7.574	75	378588	52.038	ug/L	99
45) 1,1,2-Trichloroethane	7.760	97	255631	49.710	ug/L	98
46) Tetrachloroethene	7.899	164	163226	45.986	ug/L	98
48) 2-Hexanone	8.063	43	645264	121.510	ug/L	94
49) Dibromochloromethane	8.169	129	267154	51.146	ug/L	99
50) 1,2-Dibromoethane	8.275	107	266713	50.466	ug/L	99
51) Chlorobenzene	8.805	112	616609	48.608	ug/L	98
52) Ethylbenzene	8.937	91	1010105	49.883	ug/L	99
53) m,p-Xylene	9.066	106	390131	52.496	ug/L	97
54) o-Xylene	9.471	106	371377	51.641	ug/L	99
55) Styrene	9.487	104	707661	56.503	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.165	83	442995	52.194	ug/L	99
59) Bromoform	9.654	173	194997	47.661	ug/L	100
60) Isopropylbenzene	9.857	105	990805	47.439	ug/L	99
61) 1,2,3-Trichloropropane	10.198	75	349487	48.766	ug/L	98
62) 1,3,5-Trimethylbenzene	10.468	105	780752	48.045	ug/L	100
63) 1,2,4-Trimethylbenzene	10.841	105	793685	49.432	ug/L	100
64) 1,3-Dichlorobenzene	11.108	146	479844	48.083	ug/L	98
65) 1,4-Dichlorobenzene	11.198	146	514145	47.865	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	489091	48.517	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.352	75	99418	48.539	ug/L	91
69) 1,3,5-Trichlorobenzene	12.571	180	300287	45.513	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	258008	45.740	ug/L	98
71) Naphthalene	13.426	128	1029796	51.392	ug/L	100
72) 1,2,3-Trichlorobenzene	13.667	180	290170	49.313	ug/L	98

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

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