

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061025\
 Data File : VV038775.D
 Acq On : 10 Jun 2025 11:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050323

Quant Time: Jun 10 14:45:06 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	537547	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	559539	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	317256	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	203380	45.495	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.980%		
7) Chloroethane-d5	1.542	69	185100	45.234	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.460%		
11) 1,1-Dichloroethene-d2	2.069	65	103636	47.101	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.200%		
21) 2-Butanone-d5	3.783	46	306485	87.909	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.910%		
24) Chloroform-d	4.249	84	455630	47.841	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.680%		
26) 1,2-Dichloroethane-d4	4.937	65	272333	48.981	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.960%		
32) Benzene-d6	4.957	84	856542	48.517	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.040%		
36) 1,2-Dichloropropane-d6	5.982	67	275403	46.970	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.940%		
41) Toluene-d8	7.236	98	798454	51.218	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.440%		
43) trans-1,3-Dichloroprop...	7.545	79	124536	48.703	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.400%		
47) 2-Hexanone-d5	8.014	63	243117	99.939	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.940%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	432803	49.747	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.500%		
66) 1,2-Dichlorobenzene-d4	11.548	152	279547	45.402	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.117	85	295119	46.728	ug/L	99
3) Chloromethane	1.227	50	293892	46.040	ug/L	97
5) Vinyl chloride	1.294	62	315942	47.886	ug/L	100
6) Bromomethane	1.497	94	167764	51.199	ug/L	97
8) Chloroethane	1.558	64	192403	48.558	ug/L	99
9) Trichlorofluoromethane	1.725	101	424179	48.726	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	247916	48.120	ug/L	100
12) 1,1-Dichloroethene	2.079	96	221105	47.603	ug/L	94
13) Acetone	2.117	43	235773	100.289	ug/L	98
14) Carbon disulfide	2.249	76	675684	47.593	ug/L	100
15) Methyl Acetate	2.378	43	296823	47.540	ug/L	95
16) Methylene chloride	2.452	84	257750	47.732	ug/L	93
17) trans-1,2-Dichloroethene	2.703	96	224492	48.059	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	677068	48.135	ug/L	99
19) 1,1-Dichloroethane	3.117	63	459636	47.359	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	244130	48.670	ug/L	95
22) 2-Butanone	3.863	43	348232	94.360	ug/L	94
23) Bromochloromethane	4.149	128	132517	49.491	ug/L	88
25) Chloroform	4.275	83	475039	49.707	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	366284	50.726	ug/L	98
29) Cyclohexane	4.584	56	393177	49.151	ug/L	95
30) 1,1,1-Trichloroethane	4.510	97	394286	47.903	ug/L	96
31) Carbon tetrachloride	4.735	117	346882	48.559	ug/L	100
33) Benzene	5.008	78	986970	50.145	ug/L	100
34) Trichloroethene	5.828	95	246475	47.245	ug/L	99
35) Methylcyclohexane	6.046	83	401787	49.107	ug/L	96
37) 1,2-Dichloropropane	6.085	63	274443	48.395	ug/L	100
38) Bromodichloromethane	6.426	83	355782	48.354	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	402370	49.388	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	818736	105.616	ug/L	94
42) Toluene	7.307	91	1069006	52.607	ug/L	98
44) trans-1,3-Dichloropropene	7.571	75	400287	50.903	ug/L	100
45) 1,1,2-Trichloroethane	7.760	97	270732	48.706	ug/L	98
46) Tetrachloroethene	7.895	164	184634	48.124	ug/L	97
48) 2-Hexanone	8.062	43	643301	112.073	ug/L	93
49) Dibromochloromethane	8.165	129	279207	49.453	ug/L	99
50) 1,2-Dibromoethane	8.271	107	282640	49.477	ug/L	98
51) Chlorobenzene	8.805	112	673010	49.083	ug/L	99
52) Ethylbenzene	8.937	91	1120322	51.184	ug/L	100
53) m,p-Xylene	9.062	106	434493	54.089	ug/L	100
54) o-Xylene	9.468	106	409873	52.728	ug/L	97
55) Styrene	9.484	104	773879	57.165	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.165	83	457150	49.830	ug/L	99
59) Bromoform	9.654	173	199882	45.154	ug/L	99
60) Isopropylbenzene	9.857	105	1101696	48.752	ug/L	99
61) 1,2,3-Trichloropropane	10.197	75	358167	46.191	ug/L	98
62) 1,3,5-Trimethylbenzene	10.468	105	858644	48.836	ug/L	99
63) 1,2,4-Trimethylbenzene	10.841	105	872553	50.227	ug/L	100
64) 1,3-Dichlorobenzene	11.104	146	518179	47.990	ug/L	98
65) 1,4-Dichlorobenzene	11.197	146	554176	47.684	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	519978	47.674	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.352	75	97435	43.967	ug/L	93
69) 1,3,5-Trichlorobenzene	12.570	180	320380	44.880	ug/L	99
70) 1,2,4-trichlorobenzene	13.188	180	271851	44.543	ug/L	99
71) Naphthalene	13.426	128	1073556	49.517	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	316841	49.767	ug/L	99

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

