

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061225\
 Data File : VU063390.D
 Acq On : 12 Jun 2025 09:54
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050107

Quant Time: Jun 16 08:39:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 16 08:39:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	146621	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	154699	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	82382	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	52147	47.112	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.220%		
7) Chloroethane-d5	1.904	69	50329	46.726	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.460%		
11) 1,1-Dichloroethene-d2	2.557	63	100936	47.994	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.980%		
21) 2-Butanone-d5	4.615	46	91137	94.888	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.890%		
24) Chloroform-d	5.049	84	115672	49.163	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.320%		
26) 1,2-Dichloroethane-d4	5.692	65	69440	48.191	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.380%		
32) Benzene-d6	5.718	84	224074	47.890	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.780%		
36) 1,2-Dichloropropane-d6	6.679	67	75878	47.814	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.620%		
41) Toluene-d8	7.888	98	200977	48.954	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.900%		
43) trans-1,3-Dichloroprop...	8.171	79	30746	48.146	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.300%		
47) 2-Hexanone-d5	8.624	63	54001	91.654	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.650%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	115345	47.590	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.180%		
66) 1,2-Dichlorobenzene-d4	12.184	152	72807	48.303	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	71346	50.646	ug/L	98
3) Chloromethane	1.518	50	80137	50.359	ug/L	99
5) Vinyl chloride	1.599	62	87643	50.073	ug/L	99
6) Bromomethane	1.846	94	50040	50.807	ug/L	98
8) Chloroethane	1.923	64	54706	49.960	ug/L	98
9) Trichlorofluoromethane	2.129	101	105042	50.979	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	61350	49.958	ug/L	98
12) 1,1-Dichloroethene	2.567	96	55124	50.441	ug/L	95
13) Acetone	2.615	43	96064	131.983	ug/L	97
14) Carbon disulfide	2.782	76	181760	50.368	ug/L	99
15) Methyl Acetate	2.939	43	77141	51.087	ug/L #	100
16) Methylene chloride	3.033	84	71102	50.158	ug/L	96
17) trans-1,2-Dichloroethene	3.341	96	59609	50.745	ug/L	100
18) Methyl tert-butyl Ether	3.354	73	176955	50.219	ug/L	99
19) 1,1-Dichloroethane	3.856	63	124714	50.717	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	67356	50.443	ug/L	99
22) 2-Butanone	4.692	43	118268	109.858	ug/L	95
23) Bromochloromethane	4.962	128	36027	50.488	ug/L	99
25) Chloroform	5.074	83	123210	50.235	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	96368	50.078	ug/L	99
29) Cyclohexane	5.377	56	103935	50.623	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	97218	49.768	ug/L	99
31) Carbon tetrachloride	5.512	117	82564	50.271	ug/L	99
33) Benzene	5.763	78	277753	51.658	ug/L	100
34) Trichloroethene	6.534	95	68414	49.506	ug/L	99
35) Methylcyclohexane	6.756	83	105017	51.372	ug/L	99
37) 1,2-Dichloropropane	6.779	63	78943	49.501	ug/L	100
38) Bromodichloromethane	7.097	83	93290	49.605	ug/L #	99
39) cis-1,3-Dichloropropene	7.598	75	110780	51.245	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	202190	102.220	ug/L	100
42) Toluene	7.962	91	296950	52.865	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	103129	50.973	ug/L	95
45) 1,1,2-Trichloroethane	8.389	97	74356	50.939	ug/L	100
46) Tetrachloroethene	8.544	164	52698	51.596	ug/L	100
48) 2-Hexanone	8.676	43	165499	107.283	ug/L	100
49) Dibromochloromethane	8.801	129	70061	50.586	ug/L	99
50) 1,2-Dibromoethane	8.914	107	75796	50.823	ug/L	100
51) Chlorobenzene	9.438	112	183938	50.510	ug/L	98
52) Ethylbenzene	9.563	91	299049	50.850	ug/L	100
53) m,p-Xylene	9.685	106	114375	52.564	ug/L	99
54) o-Xylene	10.094	106	110792	53.411	ug/L	93
55) Styrene	10.106	104	200193	56.198	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	130585	50.062	ug/L	97
59) Bromoform	10.280	173	54157	49.558	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	100713	50.836	ug/L	99
61) Isopropylbenzene	10.476	105	289592	53.224	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	224412	53.370	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	217854	54.537	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	141127	52.265	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	141456	50.961	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	139194	51.053	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	24978	46.886	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	94215	51.526	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	75126	52.916	ug/L	98
71) Naphthalene	14.081	128	189313	49.448	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	75913	54.020	ug/L	98

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

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