

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063754.D
 Acq On : 21 Nov 2025 08:22
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

Quant Time: Nov 21 22:24:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 04:47:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	304613	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	292788	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	149265	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	125766	47.812	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.620%		
7) Chloroethane-d5	1.891	69	98709	48.708	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.420%		
11) 1,1-Dichloroethene-d2	2.544	63	222803	48.865	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.740%		
21) 2-Butanone-d5	4.592	46	150309	100.233	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.230%		
24) Chloroform-d	5.030	84	222615	50.441	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.880%		
26) 1,2-Dichloroethane-d4	5.669	65	141262	48.676	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.360%		
32) Benzene-d6	5.695	84	426011	49.639	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.280%		
36) 1,2-Dichloropropane-d6	6.660	67	125884	49.965	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.920%		
41) Toluene-d8	7.872	98	397958	48.838	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.680%		
43) trans-1,3-Dichloroprop...	8.155	79	47915	46.021	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.040%		
47) 2-Hexanone-d5	8.608	63	91744	100.154	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.150%		
56) 1,1,2,2-Tetrachloroeth...	10.730	84	182289	49.475	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.960%		
66) 1,2-Dichlorobenzene-d4	12.167	152	144345	51.227	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.460%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	89886	50.702	ug/L	99
3) Chloromethane	1.509	50	96243	47.981	ug/L	99
5) Vinyl chloride	1.589	62	117361	50.321	ug/L	99
6) Bromomethane	1.837	94	75963	51.397	ug/L	96
8) Chloroethane	1.914	64	79392	50.998	ug/L	99
9) Trichlorofluoromethane	2.116	101	191932	52.177	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	113609	52.256	ug/L	97
12) 1,1-Dichloroethene	2.554	96	97408	48.988	ug/L	99
13) Acetone	2.602	43	205323	101.169	ug/L	98
14) Carbon disulfide	2.766	76	241074	46.545	ug/L	98
15) Methyl Acetate	2.923	43	127068	52.139	ug/L	100
16) Methylene chloride	3.017	84	115821	49.966	ug/L	100
17) trans-1,2-Dichloroethene	3.325	96	103214	48.687	ug/L	93
18) Methyl tert-butyl Ether	3.335	73	355042	49.485	ug/L	100
19) 1,1-Dichloroethane	3.833	63	204896	50.158	ug/L	98
20) cis-1,2-Dichloroethene	4.631	96	126107	51.678	ug/L	98
22) 2-Butanone	4.669	43	212384	94.196	ug/L	96
23) Bromochloromethane	4.943	128	63054	50.259	ug/L	97
25) Chloroform	5.055	83	227664	51.487	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	182016	50.424	ug/L	100
29) Cyclohexane	5.354	56	183585	49.835	ug/L	96
30) 1,1,1-Trichloroethane	5.284	97	186374	49.849	ug/L	99
31) Carbon tetrachloride	5.493	117	147267	50.094	ug/L	99
33) Benzene	5.743	78	448691	50.245	ug/L	100
34) Trichloroethene	6.515	95	130864	50.833	ug/L	97
35) Methylcyclohexane	6.734	83	183620	48.588	ug/L	98
37) 1,2-Dichloropropane	6.759	63	116725	50.296	ug/L	100
38) Bromodichloromethane	7.078	83	157434	49.540	ug/L	98
39) cis-1,3-Dichloropropene	7.579	75	167711	48.729	ug/L	99
40) 4-Methyl-2-pentanone	7.763	43	342887	102.074	ug/L	100
42) Toluene	7.943	91	500776	50.795	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	143156	47.649	ug/L	97
45) 1,1,2-Trichloroethane	8.373	97	123783	50.434	ug/L	99
46) Tetrachloroethene	8.528	164	100725	51.162	ug/L	98
48) 2-Hexanone	8.660	43	268708	101.915	ug/L	99
49) Dibromochloromethane	8.782	129	117549	49.594	ug/L	98
50) 1,2-Dibromoethane	8.898	107	127491	49.488	ug/L	98
51) Chlorobenzene	9.422	112	332545	49.984	ug/L	100
52) Ethylbenzene	9.544	91	580045	50.670	ug/L	100
53) m,p-Xylene	9.669	106	215687	49.433	ug/L	98
54) o-Xylene	10.074	106	214036	50.372	ug/L	98
55) Styrene	10.090	104	352488	51.199	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.756	83	197417	49.386	ug/L	98
59) Bromoform	10.264	173	85575	50.483	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	167513	51.418	ug/L	100
61) Isopropylbenzene	10.457	105	585117	51.961	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	483457	52.194	ug/L	99
63) 1,2,4-Trimethylbenzene	11.441	105	460998	52.139	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	264229	52.341	ug/L	100
65) 1,4-Dichlorobenzene	11.811	146	261767	50.626	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	251575	51.401	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	40063	49.801	ug/L	91
69) 1,3,5-Trichlorobenzene	13.190	180	181583	53.219	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	144878	50.922	ug/L	99
71) Naphthalene	14.058	128	364885	48.191	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	133402	49.471	ug/L	99

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