

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
 Data File : VU063788.D
 Acq On : 24 Nov 2025 19:29
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050118

Quant Time: Nov 25 00:25:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 25 00:22:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	330966	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	324827	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	176546	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	118229	41.367	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.740%
7) Chloroethane-d5	1.891	69	97631	44.340	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.680%
11) 1,1-Dichloroethene-d2	2.544	63	224036	45.223	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.440%
21) 2-Butanone-d5	4.595	46	151819	93.178	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.180%
24) Chloroform-d	5.029	84	234967	49.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.000%
26) 1,2-Dichloroethane-d4	5.669	65	151801	48.142	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.280%
32) Benzene-d6	5.695	84	443022	46.530	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.060%
36) 1,2-Dichloropropane-d6	6.660	67	129962	46.496	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.000%
41) Toluene-d8	7.872	98	412071	45.582	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.160%
43) trans-1,3-Dichloroprop...	8.155	79	48059	41.606	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.220%
47) 2-Hexanone-d5	8.608	63	94107	92.600	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.600%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	199237	48.742	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.480%
66) 1,2-Dichlorobenzene-d4	12.167	152	162336	48.709	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	90313	46.887	ug/L	99
3) Chloromethane	1.509	50	100277	46.012	ug/L	98
5) Vinyl chloride	1.589	62	123947	48.913	ug/L	100
6) Bromomethane	1.837	94	82981	51.675	ug/L	96
8) Chloroethane	1.914	64	85510	50.555	ug/L	97
9) Trichlorofluoromethane	2.116	101	201775	50.486	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	112828	47.764	ug/L	100
12) 1,1-Dichloroethene	2.554	96	102133	47.274	ug/L	95
13) Acetone	2.602	43	156197	70.835	ug/L	99
14) Carbon disulfide	2.766	76	227516	40.429	ug/L	99
15) Methyl Acetate	2.923	43	130110	49.137	ug/L	99
16) Methylene chloride	3.017	84	123858	49.179	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	110300	47.886	ug/L	96
18) Methyl tert-butyl Ether	3.335	73	378362	48.536	ug/L	99
19) 1,1-Dichloroethane	3.833	63	219452	49.444	ug/L	99
20) cis-1,2-Dichloroethene	4.631	96	132966	50.150	ug/L	96
22) 2-Butanone	4.673	43	190661	77.828	ug/L	99
23) Bromochloromethane	4.939	128	68951	50.583	ug/L	96
25) Chloroform	5.055	83	244740	50.942	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	202133	51.539	ug/L	100
29) Cyclohexane	5.357	56	189869	46.457	ug/L	97
30) 1,1,1-Trichloroethane	5.283	97	198364	47.823	ug/L	99
31) Carbon tetrachloride	5.492	117	159798	48.995	ug/L	100
33) Benzene	5.743	78	492902	49.752	ug/L	100
34) Trichloroethene	6.512	95	140253	49.106	ug/L	99
35) Methylcyclohexane	6.734	83	195926	46.731	ug/L	97
37) 1,2-Dichloropropane	6.759	63	127717	49.605	ug/L	100
38) Bromodichloromethane	7.078	83	174277	49.431	ug/L	98
39) cis-1,3-Dichloropropene	7.579	75	175417	45.941	ug/L	99
40) 4-Methyl-2-pentanone	7.762	43	364067	97.689	ug/L	99
42) Toluene	7.943	91	537786	49.168	ug/L	98
44) trans-1,3-Dichloropropene	8.184	75	145205	43.564	ug/L	98
45) 1,1,2-Trichloroethane	8.373	97	135391	49.723	ug/L	99
46) Tetrachloroethene	8.528	164	105672	48.381	ug/L	98
48) 2-Hexanone	8.660	43	277915	95.010	ug/L	98
49) Dibromochloromethane	8.782	129	123812	47.084	ug/L	99
50) 1,2-Dibromoethane	8.894	107	138627	48.503	ug/L	100
51) Chlorobenzene	9.422	112	360881	48.892	ug/L	99
52) Ethylbenzene	9.544	91	615202	48.441	ug/L	99
53) m,p-Xylene	9.669	106	232189	47.966	ug/L	97
54) o-Xylene	10.074	106	233246	49.479	ug/L	96
55) Styrene	10.090	104	381468	49.943	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.756	83	216965	48.923	ug/L	99
59) Bromoform	10.264	173	89855	44.817	ug/L	98
60) 1,2,3-Trichloropropane	10.795	75	182436	47.345	ug/L	99
61) Isopropylbenzene	10.460	105	627333	47.102	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	514385	46.951	ug/L	99
63) 1,2,4-Trimethylbenzene	11.441	105	490915	46.943	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	273310	45.774	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	275994	45.129	ug/L	98
67) 1,2-Dichlorobenzene	12.184	146	268805	46.435	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	42071	44.216	ug/L	95
69) 1,3,5-Trichlorobenzene	13.190	180	182292	45.171	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	147256	43.760	ug/L	99
71) Naphthalene	14.058	128	396713	44.299	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	141228	44.280	ug/L	99

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