

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111825\
 Data File : VU063732.D
 Acq On : 18 Nov 2025 10:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050113

Quant Time: Nov 19 04:44:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:55:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	304728	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	293530	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	152294	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	116523	44.281	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.560%
7) Chloroethane-d5	1.891	69	92326	45.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.080%
11) 1,1-Dichloroethene-d2	2.544	63	217849	47.761	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.520%
21) 2-Butanone-d5	4.592	46	131251	87.491	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.490%
24) Chloroform-d	5.029	84	209436	47.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.880%
26) 1,2-Dichloroethane-d4	5.669	65	135590	46.703	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.400%
32) Benzene-d6	5.695	84	393088	45.687	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.380%
36) 1,2-Dichloropropane-d6	6.660	67	115915	45.892	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.780%
41) Toluene-d8	7.872	98	371860	45.520	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.040%
43) trans-1,3-Dichloroprop...	8.155	79	46025	44.094	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.180%
47) 2-Hexanone-d5	8.608	63	83512	90.937	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.940%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	172662	46.744	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.480%
66) 1,2-Dichlorobenzene-d4	12.167	152	134629	46.829	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.370	85	87759	49.484	ug/L	99
3) Chloromethane	1.505	50	95669	47.677	ug/L	98
5) Vinyl chloride	1.589	62	111513	47.796	ug/L	99
6) Bromomethane	1.837	94	71437	48.316	ug/L	98
8) Chloroethane	1.914	64	75036	48.182	ug/L	98
9) Trichlorofluoromethane	2.116	101	181010	49.190	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	108461	49.869	ug/L	96
12) 1,1-Dichloroethene	2.554	96	94373	47.444	ug/L	95
13) Acetone	2.599	43	182299	89.790	ug/L	99
14) Carbon disulfide	2.766	76	241723	46.652	ug/L	99
15) Methyl Acetate	2.920	43	121867	49.986	ug/L	100
16) Methylene chloride	3.013	84	111511	48.088	ug/L	99
17) trans-1,2-Dichloroethene	3.325	96	103672	48.884	ug/L	96
18) Methyl tert-butyl Ether	3.332	73	349158	48.647	ug/L	99
19) 1,1-Dichloroethane	3.833	63	195710	47.891	ug/L	97
20) cis-1,2-Dichloroethene	4.631	96	117734	48.229	ug/L	98
22) 2-Butanone	4.669	43	192666	85.418	ug/L	98
23) Bromochloromethane	4.943	128	61528	49.024	ug/L	97
25) Chloroform	5.055	83	217789	49.235	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	173121	47.942	ug/L	99
29) Cyclohexane	5.354	56	179219	48.527	ug/L	96
30) 1,1,1-Trichloroethane	5.283	97	175874	46.922	ug/L	98
31) Carbon tetrachloride	5.492	117	141831	48.123	ug/L	99
33) Benzene	5.743	78	443590	49.548	ug/L	100
34) Trichloroethene	6.515	95	127210	49.288	ug/L	99
35) Methylcyclohexane	6.734	83	182169	48.082	ug/L	99
37) 1,2-Dichloropropane	6.759	63	111916	48.102	ug/L	100
38) Bromodichloromethane	7.078	83	153219	48.091	ug/L	95
39) cis-1,3-Dichloropropene	7.579	75	161413	46.780	ug/L	98
40) 4-Methyl-2-pentanone	7.762	43	321574	95.487	ug/L	100
42) Toluene	7.943	91	482385	48.806	ug/L	99
44) trans-1,3-Dichloropropene	8.184	75	138003	45.818	ug/L	100
45) 1,1,2-Trichloroethane	8.373	97	122907	49.951	ug/L	99
46) Tetrachloroethene	8.528	164	96020	48.649	ug/L	99
48) 2-Hexanone	8.660	43	254606	96.322	ug/L	97
49) Dibromochloromethane	8.782	129	113384	47.716	ug/L	100
50) 1,2-Dibromoethane	8.897	107	126869	49.122	ug/L	99
51) Chlorobenzene	9.422	112	324703	48.681	ug/L	99
52) Ethylbenzene	9.544	91	554872	48.349	ug/L	100
53) m,p-Xylene	9.669	106	206904	47.300	ug/L	97
54) o-Xylene	10.074	106	208404	48.923	ug/L	99
55) Styrene	10.090	104	346305	50.173	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.756	83	193271	48.227	ug/L	99
59) Bromoform	10.264	173	82626	47.774	ug/L	99
60) 1,2,3-Trichloropropane	10.798	75	160774	48.368	ug/L	99
61) Isopropylbenzene	10.460	105	559549	48.702	ug/L	99
62) 1,3,5-Trimethylbenzene	11.065	105	466988	49.413	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	442684	49.072	ug/L	99
64) 1,3-Dichlorobenzene	11.721	146	253374	49.192	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	252520	47.866	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	242979	48.658	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.968	75	37565	45.767	ug/L	90
69) 1,3,5-Trichlorobenzene	13.193	180	173740	49.908	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	138715	47.786	ug/L	99
71) Naphthalene	14.058	128	346064	44.797	ug/L	100
72) 1,2,3-Trichlorobenzene	14.302	180	129482	47.062	ug/L	98

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

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