

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111825\
 Data File : VU063737.D
 Acq On : 18 Nov 2025 12:35
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050114

Quant Time: Nov 19 04:47:54 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	310058	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	304183	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	162963	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	119858	44.765	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.540%
7) Chloroethane-d5	1.891	69	93994	45.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.140%
11) 1,1-Dichloroethene-d2	2.544	63	216598	46.670	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.340%
21) 2-Butanone-d5	4.595	46	146764	96.150	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.150%
24) Chloroform-d	5.029	84	217617	48.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
26) 1,2-Dichloroethane-d4	5.669	65	142270	48.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.320%
32) Benzene-d6	5.695	84	417071	46.777	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.560%
36) 1,2-Dichloropropane-d6	6.660	67	123222	47.076	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.160%
41) Toluene-d8	7.872	98	393694	46.505	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	8.155	79	47286	43.715	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.440%
47) 2-Hexanone-d5	8.608	63	94564	99.365	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.370%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	185611	48.490	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.980%
66) 1,2-Dichlorobenzene-d4	12.167	152	152458	49.558	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	83855	46.470	ug/L	100
3) Chloromethane	1.509	50	95424	46.738	ug/L	98
5) Vinyl chloride	1.589	62	112584	47.425	ug/L	99
6) Bromomethane	1.837	94	74606	49.592	ug/L	99
8) Chloroethane	1.914	64	76396	48.212	ug/L	100
9) Trichlorofluoromethane	2.116	101	181988	48.605	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	106120	47.954	ug/L	100
12) 1,1-Dichloroethene	2.554	96	94732	46.806	ug/L	96
13) Acetone	2.602	43	184492	89.308	ug/L	99
14) Carbon disulfide	2.766	76	234595	44.498	ug/L	98
15) Methyl Acetate	2.923	43	129092	52.040	ug/L	98
16) Methylene chloride	3.017	84	115201	48.826	ug/L	99
17) trans-1,2-Dichloroethene	3.325	96	103778	48.093	ug/L	97
18) Methyl tert-butyl Ether	3.335	73	359436	49.218	ug/L	99
19) 1,1-Dichloroethane	3.833	63	200543	48.230	ug/L	99
20) cis-1,2-Dichloroethene	4.631	96	121173	48.784	ug/L	98
22) 2-Butanone	4.673	43	199866	87.087	ug/L	97
23) Bromochloromethane	4.943	128	63783	49.947	ug/L	96
25) Chloroform	5.055	83	221980	49.320	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	184947	50.337	ug/L	98
29) Cyclohexane	5.354	56	180072	47.050	ug/L	97
30) 1,1,1-Trichloroethane	5.284	97	180687	46.518	ug/L	100
31) Carbon tetrachloride	5.492	117	142147	46.541	ug/L	96
33) Benzene	5.743	78	452330	48.755	ug/L	100
34) Trichloroethene	6.512	95	127191	47.555	ug/L	98
35) Methylcyclohexane	6.734	83	179411	45.696	ug/L	99
37) 1,2-Dichloropropane	6.759	63	114784	47.607	ug/L	100
38) Bromodichloromethane	7.078	83	155508	47.101	ug/L	95
39) cis-1,3-Dichloropropene	7.579	75	165511	46.288	ug/L	99
40) 4-Methyl-2-pentanone	7.763	43	352272	100.939	ug/L	100
42) Toluene	7.943	91	494041	48.234	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	142086	45.522	ug/L	97
45) 1,1,2-Trichloroethane	8.373	97	124839	48.959	ug/L	99
46) Tetrachloroethene	8.525	164	96661	47.258	ug/L	99
48) 2-Hexanone	8.660	43	279243	101.943	ug/L	99
49) Dibromochloromethane	8.782	129	116628	47.362	ug/L	99
50) 1,2-Dibromoethane	8.894	107	130535	48.771	ug/L	98
51) Chlorobenzene	9.422	112	328261	47.491	ug/L	99
52) Ethylbenzene	9.544	91	570207	47.945	ug/L	100
53) m,p-Xylene	9.669	106	212121	46.794	ug/L	98
54) o-Xylene	10.074	106	215558	48.830	ug/L	97
55) Styrene	10.090	104	354654	49.583	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.753	83	203396	48.976	ug/L	100
59) Bromoform	10.264	173	82722	44.698	ug/L	98
60) 1,2,3-Trichloropropane	10.795	75	169260	47.587	ug/L	100
61) Isopropylbenzene	10.457	105	574156	46.702	ug/L	99
62) 1,3,5-Trimethylbenzene	11.061	105	474965	46.967	ug/L	98
63) 1,2,4-Trimethylbenzene	11.441	105	457417	47.386	ug/L	99
64) 1,3-Dichlorobenzene	11.721	146	260419	47.250	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	258758	45.837	ug/L	100
67) 1,2-Dichlorobenzene	12.187	146	252959	47.340	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	40844	46.504	ug/L	90
69) 1,3,5-Trichlorobenzene	13.190	180	179702	48.241	ug/L	98
70) 1,2,4-trichlorobenzene	13.814	180	143597	46.229	ug/L	99
71) Naphthalene	14.058	128	388173	46.958	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	134444	45.666	ug/L	100

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

