

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
 Data File : VU063629.D
 Acq On : 23 Sep 2025 12:09
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050111

Quant Time: Sep 24 01:11:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 24 01:10:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	219129	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	215885	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	112321	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	62388	42.448	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.900%
7) Chloroethane-d5	1.895	69	61115	48.875	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.740%
11) 1,1-Dichloroethene-d2	2.554	63	116440	44.335	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.660%
21) 2-Butanone-d5	4.615	46	118642	116.992	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.990%
24) Chloroform-d	5.046	84	142386	51.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.560%
26) 1,2-Dichloroethane-d4	5.689	65	98034	54.717	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.440%
32) Benzene-d6	5.714	84	253036	48.936	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.880%
36) 1,2-Dichloropropane-d6	6.676	67	86364	51.127	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.260%
41) Toluene-d8	7.888	98	230330	47.399	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	8.168	79	27662	45.211	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.420%
47) 2-Hexanone-d5	8.621	63	70096	113.247	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.250%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	140889	54.165	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.340%
66) 1,2-Dichlorobenzene-d4	12.184	152	96995	51.387	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	50218	42.583	ug/L	99
3) Chloromethane	1.515	50	77380	50.898	ug/L	97
5) Vinyl chloride	1.596	62	83585	46.192	ug/L	98
6) Bromomethane	1.834	94	61080	53.278	ug/L	99
8) Chloroethane	1.914	64	62982	51.382	ug/L	97
9) Trichlorofluoromethane	2.123	101	120224	45.606	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	63732	43.945	ug/L	99
12) 1,1-Dichloroethene	2.563	96	60311	46.745	ug/L	93
13) Acetone	2.618	43	104259	86.145	ug/L	99
14) Carbon disulfide	2.776	76	141516	42.272	ug/L	99
15) Methyl Acetate	2.940	43	106672	59.417	ug/L	97
16) Methylene chloride	3.030	84	88381	54.178	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	69308	49.891	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	252127	56.103	ug/L	100
19) 1,1-Dichloroethane	3.853	63	149503	52.864	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	90043	55.349	ug/L	95
22) 2-Butanone	4.692	43	141764	101.360	ug/L	99
23) Bromochloromethane	4.959	128	47476	55.696	ug/L	95
25) Chloroform	5.071	83	164930	54.919	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	138046	55.632	ug/L	98
29) Cyclohexane	5.370	56	111846	44.079	ug/L	100
30) 1,1,1-Trichloroethane	5.300	97	113247	47.714	ug/L	100
31) Carbon tetrachloride	5.509	117	84208	44.769	ug/L	99
33) Benzene	5.759	78	333022	53.121	ug/L	100
34) Trichloroethene	6.531	95	87719	49.962	ug/L	99
35) Methylcyclohexane	6.750	83	106762	42.593	ug/L	98
37) 1,2-Dichloropropane	6.779	63	93873	54.066	ug/L	100
38) Bromodichloromethane	7.091	83	110551	53.701	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	113818	50.422	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	291493	116.523	ug/L	100
42) Toluene	7.959	91	351170	51.094	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	98607	51.447	ug/L	99
45) 1,1,2-Trichloroethane	8.390	97	96502	57.265	ug/L	95
46) Tetrachloroethene	8.544	164	60036	46.948	ug/L	96
48) 2-Hexanone	8.672	43	216928	114.628	ug/L	97
49) Dibromochloromethane	8.798	129	79775	52.884	ug/L	97
50) 1,2-Dibromoethane	8.914	107	98752	56.581	ug/L	100
51) Chlorobenzene	9.438	112	236458	51.991	ug/L	100
52) Ethylbenzene	9.560	91	378534	49.807	ug/L	100
53) m,p-Xylene	9.685	106	139960	49.366	ug/L	98
54) o-Xylene	10.090	106	144743	51.232	ug/L	97
55) Styrene	10.107	104	247200	53.540	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	164414	57.721	ug/L	97
59) Bromoform	10.280	173	55588	50.823	ug/L	99
60) 1,2,3-Trichloropropane	10.811	75	133835	56.518	ug/L	100
61) Isopropylbenzene	10.473	105	366701	47.867	ug/L	100
62) 1,3,5-Trimethylbenzene	11.078	105	307950	48.878	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	302487	49.523	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	174182	49.890	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	171902	48.668	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	174717	50.892	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	30145	56.760	ug/L	94
69) 1,3,5-Trichlorobenzene	13.209	180	119050	48.774	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	100285	49.765	ug/L	99
71) Naphthalene	14.081	128	286529	52.333	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	98362	50.926	ug/L	98

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

