

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063613.D
 Acq On : 22 Sep 2025 10:33
 Operator : MD/SY
 Sample : VSTD01040
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010040

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025

Quant Time: Sep 23 05:12:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:11:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	251527	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	235659	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	115558	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	16842	9.076	ug/L	0.00
7) Chloroethane-d5	1.901	69	14542	8.203	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	28736	8.193	ug/L	0.00
21) 2-Butanone-d5	4.637	46	20877m	13.446	ug/L	0.03
24) Chloroform-d	5.052	84	30601	7.907	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	19788	8.288	ug/L	0.00
32) Benzene-d6	5.718	84	55767	8.181	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	18278	7.941	ug/L	0.00
41) Toluene-d8	7.891	98	50786	8.440	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	6254	6.934	ug/L	0.00
47) 2-Hexanone-d5	8.628	63	11976m	14.120	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	26843	7.586	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	18341	8.829	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	12196	5.478	ug/L	98
3) Chloromethane	1.515	50	16059	6.266	ug/L	98
5) Vinyl chloride	1.596	62	18909	6.686	ug/L	97
6) Bromomethane	1.843	94	12341	7.612	ug/L	99
8) Chloroethane	1.920	64	12872	7.149	ug/L	99
9) Trichlorofluoromethane	2.126	101	27973	8.077	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	15041	7.347	ug/L	98
12) 1,1-Dichloroethene	2.567	96	13249	7.348	ug/L	83
13) Acetone	2.618	43	25139	20.550	ug/L	99
14) Carbon disulfide	2.779	76	32576	5.662	ug/L	99
15) Methyl Acetate	2.946	43	17680	7.087	ug/L	95
16) Methylene chloride	3.033	84	17464	7.481	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	14301	7.387	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	44712	7.599	ug/L	99
19) 1,1-Dichloroethane	3.856	63	29353	7.243	ug/L	96
20) cis-1,2-Dichloroethene	4.653	96	16510	7.475	ug/L	94
22) 2-Butanone	4.711	43	29319m	16.464	ug/L	
23) Bromochloromethane	4.962	128	8466	7.149	ug/L	87
25) Chloroform	5.075	83	31338	7.654	ug/L	93
27) 1,2-Dichloroethane	5.785	62	25348	7.846	ug/L	100
29) Cyclohexane	5.374	56	24652	8.045	ug/L	96
30) 1,1,1-Trichloroethane	5.300	97	23411	7.977	ug/L	99
31) Carbon tetrachloride	5.509	117	17833	7.352	ug/L	94
33) Benzene	5.763	78	61954	7.797	ug/L	100
34) Trichloroethene	6.534	95	17401	8.457	ug/L	97
35) Methylcyclohexane	6.750	83	25115	8.230	ug/L	99
37) 1,2-Dichloropropane	6.779	63	17856	7.663	ug/L #	97
38) Bromodichloromethane	7.097	83	19509	7.054	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	19487	6.234	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	50212m	17.009	ug/L	
42) Toluene	7.962	91	67100	8.070	ug/L	97
44) trans-1,3-Dichloropropene	8.203	75	17253	6.000	ug/L	96

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45) 1,1,2-Trichloroethane	8.390	97	16429	7.587	ug/L	98
46) Tetrachloroethene	8.544	164	12418	8.108	ug/L	97
48) 2-Hexanone	8.679	43	37835m	16.690	ug/L	
49) Dibromochloromethane	8.798	129	13694	6.752	ug/L	98
50) 1,2-Dibromoethane	8.917	107	17082	7.717	ug/L	98
51) Chlorobenzene	9.438	112	45325	8.299	ug/L	96
52) Ethylbenzene	9.560	91	72104	8.138	ug/L	96
53) m,p-Xylene	9.685	106	26612	8.192	ug/L	94
54) o-Xylene	10.090	106	25484	8.119	ug/L	94
55) Styrene	10.110	104	42517	8.017	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	27633	7.224	ug/L	99
59) Bromoform	10.277	173	9491	6.471	ug/L	95
60) 1,2,3-Trichloropropane	10.814	75	23284	8.563	ug/L	98
61) Isopropylbenzene	10.476	105	71851	9.394	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	55607	9.238	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	53195	9.303	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	32682	8.715	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	32902	8.560	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	31755	8.380	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	4573	6.346	ug/L	90
69) 1,3,5-Trichlorobenzene	13.213	180	21260	8.296	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	17115	8.559	ug/L	98
71) Naphthalene	14.087	128	41811	7.751	ug/L	97
72) 1,2,3-Trichlorobenzene	14.325	180	15954	8.202	ug/L	100

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

