

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063612.D
 Acq On : 22 Sep 2025 10:09
 Operator : MD/SY
 Sample : VSTD00539
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005039

Manual Integrations
 APPROVED

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

Quant Time: Sep 23 05:12:08 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	241783	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	235024	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	109055	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	8093	4.537	ug/L	0.00
7) Chloroethane-d5	1.895	69	6601	3.874	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	14635	4.341	ug/L	0.00
21) 2-Butanone-d5	4.660	46	9422m	6.313	ug/L	0.05
24) Chloroform-d	5.052	84	13747	3.695	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	9314	4.058	ug/L	0.00
32) Benzene-d6	5.718	84	25256	3.715	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	8294	3.613	ug/L	0.00
41) Toluene-d8	7.891	98	24208	4.034	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	2757	3.065	ug/L	0.00
47) 2-Hexanone-d5	8.637	63	5594	6.613	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.746	84	13161	3.729	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	9197	4.691	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	7169	3.350	ug/L	96
3) Chloromethane	1.515	50	9505	3.858	ug/L	93
5) Vinyl chloride	1.595	62	11425	4.203	ug/L	99
6) Bromomethane	1.833	94	6809	4.369	ug/L	98
8) Chloroethane	1.917	64	7902	4.565	ug/L	98
9) Trichlorofluoromethane	2.123	101	16242	4.878	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	9040	4.594	ug/L	98
12) 1,1-Dichloroethene	2.563	96	8047	4.643	ug/L	93
13) Acetone	2.618	43	17050	14.499	ug/L	100
14) Carbon disulfide	2.776	76	20406	3.690	ug/L	98
15) Methyl Acetate	2.946	43	11006	4.590	ug/L	100
16) Methylene chloride	3.030	84	10786	4.806	ug/L	98
17) trans-1,2-Dichloroethene	3.341	96	8329	4.476	ug/L	89
18) Methyl tert-butyl Ether	3.351	73	27177	4.805	ug/L	99
19) 1,1-Dichloroethane	3.853	63	16829	4.320	ug/L	96
20) cis-1,2-Dichloroethene	4.653	96	9636	4.538	ug/L	90
22) 2-Butanone	4.714	43	16997m	9.929	ug/L	
23) Bromochloromethane	4.962	128	5144	4.519	ug/L	97
25) Chloroform	5.078	83	18244	4.636	ug/L	98
27) 1,2-Dichloroethane	5.785	62	15352	4.943	ug/L	99
29) Cyclohexane	5.370	56	14664	4.798	ug/L	95
30) 1,1,1-Trichloroethane	5.303	97	13761	4.701	ug/L	98
31) Carbon tetrachloride	5.512	117	10300	4.258	ug/L	99
33) Benzene	5.766	78	36722	4.634	ug/L	100
34) Trichloroethene	6.534	95	11079	5.399	ug/L	94
35) Methylcyclohexane	6.750	83	14745	4.845	ug/L	97
37) 1,2-Dichloropropane	6.779	63	10399	4.475	ug/L #	97
38) Bromodichloromethane	7.097	83	11899	4.314	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	12436	3.989	ug/L	95
40) 4-Methyl-2-pentanone	7.782	43	28586	9.709	ug/L	96
42) Toluene	7.962	91	40401	4.872	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	10321	3.599	ug/L	100

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45) 1,1,2-Trichloroethane	8.393	97	10239	4.741	ug/L	97
46) Tetrachloroethene	8.544	164	7506	4.914	ug/L	96
48) 2-Hexanone	8.682	43	19768	8.744	ug/L #	98
49) Dibromochloromethane	8.801	129	7763	3.838	ug/L	84
50) 1,2-Dibromoethane	8.920	107	10197	4.619	ug/L #	100
51) Chlorobenzene	9.438	112	27009	4.959	ug/L	95
52) Ethylbenzene	9.563	91	43580	4.932	ug/L	99
53) m,p-Xylene	9.688	106	15447	4.768	ug/L	95
54) o-Xylene	10.094	106	15894	5.077	ug/L	93
55) Styrene	10.113	104	23998	4.537	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	16681	4.373	ug/L #	96
59) Bromoform	10.283	173	5499	3.973	ug/L #	96
60) 1,2,3-Trichloropropane	10.814	75	14056	5.477	ug/L	98
61) Isopropylbenzene	10.476	105	42772	5.926	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	33229	5.849	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	31870	5.906	ug/L	96
64) 1,3-Dichlorobenzene	11.743	146	19023	5.375	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	19280	5.315	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	18929	5.293	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.997	75	2548	3.747	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	12705	5.254	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	9539	5.055	ug/L	99
71) Naphthalene	14.090	128	24863m	4.884	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	9572	5.214	ug/L	98

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

