

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063722.D
 Acq On : 17 Nov 2025 12:09
 Operator : MD/SY
 Sample : VSTD05047
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050047

Quant Time: Nov 18 01:27:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:25:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	333307	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	320324	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	172570	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	144319	60.916	ug/L	0.00
7) Chloroethane-d5	1.894	69	110776	56.557	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.544	63	246561	59.055	ug/L	0.00
21) 2-Butanone-d5	4.592	46	166027	106.604	ug/L	0.00
24) Chloroform-d	5.029	84	248733	57.470	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.669	65	157519	56.240	ug/L	0.00
32) Benzene-d6	5.695	84	478052	59.904	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.660	67	137050	53.988	ug/L	0.00
41) Toluene-d8	7.872	98	444706	59.238	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.151	79	57241	59.822	ug/L	0.00
47) 2-Hexanone-d5	8.608	63	106726	113.032	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.727	84	202732	52.224	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.167	152	160560	54.155	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	95984	52.872	ug/L	100
3) Chloromethane	1.509	50	103958	45.974	ug/L	100
5) Vinyl chloride	1.589	62	124651	46.057	ug/L	100
6) Bromomethane	1.837	94	76972	45.170	ug/L	100
8) Chloroethane	1.914	64	84432	46.154	ug/L	100
9) Trichlorofluoromethane	2.116	101	196454	49.289	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	116598	52.200	ug/L	100
12) 1,1-Dichloroethene	2.554	96	105089	52.640	ug/L	100
13) Acetone	2.602	43	216117	111.399	ug/L	100
14) Carbon disulfide	2.766	76	270810	52.301	ug/L	100
15) Methyl Acetate	2.923	43	136382	50.064	ug/L	100
16) Methylene chloride	3.017	84	123048	49.381	ug/L	100
17) trans-1,2-Dichloroethene	3.322	96	115772	53.664	ug/L	100
18) Methyl tert-butyl Ether	3.335	73	387879	55.194	ug/L	100
19) 1,1-Dichloroethane	3.833	63	219147	50.955	ug/L	100
20) cis-1,2-Dichloroethene	4.631	96	132625	52.785	ug/L	100
22) 2-Butanone	4.669	43	228402	104.462	ug/L	100
23) Bromochloromethane	4.939	128	68372	52.236	ug/L	100
25) Chloroform	5.052	83	235643	51.240	ug/L	100
27) 1,2-Dichloroethane	5.762	62	188526	50.112	ug/L	100
29) Cyclohexane	5.354	56	200314	52.847	ug/L	100
30) 1,1,1-Trichloroethane	5.283	97	200224	55.624	ug/L	100
31) Carbon tetrachloride	5.492	117	160588	56.010	ug/L	100
33) Benzene	5.743	78	480509	51.711	ug/L	100
34) Trichloroethene	6.515	95	135755	51.287	ug/L	100
35) Methylcyclohexane	6.733	83	204785	54.085	ug/L	100
37) 1,2-Dichloropropane	6.759	63	125119	48.673	ug/L	100
38) Bromodichloromethane	7.074	83	169687	54.505	ug/L	100
39) cis-1,3-Dichloropropene	7.579	75	176510	52.219	ug/L	100
40) 4-Methyl-2-pentanone	7.762	43	367694	99.522	ug/L	100
42) Toluene	7.942	91	535417	52.151	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	163846	55.877	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.373	97	131998	52.466	ug/L	100
46) Tetrachloroethene	8.524	164	104850	54.189	ug/L	100
48) 2-Hexanone	8.656	43	295150	104.066	ug/L	100
49) Dibromochloromethane	8.782	129	126120	55.163	ug/L	100
50) 1,2-Dibromoethane	8.894	107	137578	52.635	ug/L	100
51) Chlorobenzene	9.421	112	356361	52.258	ug/L	100
52) Ethylbenzene	9.544	91	619897	54.208	ug/L	100
53) m,p-Xylene	9.669	106	236896	55.071	ug/L	100
54) o-Xylene	10.074	106	227901	53.811	ug/L	100
55) Styrene	10.090	104	381639	54.989	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.753	83	213730	50.582	ug/L	100
59) Bromoform	10.264	173	94767	54.824	ug/L	100
60) 1,2,3-Trichloropropane	10.794	75	174928	48.311	ug/L	100
61) Isopropylbenzene	10.457	105	625267	52.481	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	519067	53.094	ug/L	100
63) 1,2,4-Trimethylbenzene	11.441	105	496031	52.496	ug/L	100
64) 1,3-Dichlorobenzene	11.720	146	278353	51.425	ug/L	100
65) 1,4-Dichlorobenzene	11.810	146	278205	50.927	ug/L	100
67) 1,2-Dichlorobenzene	12.187	146	270469	51.039	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.968	75	45442	54.406	ug/L	100
69) 1,3,5-Trichlorobenzene	13.190	180	193460	51.221	ug/L	100
70) 1,2,4-trichlorobenzene	13.810	180	156987	50.451	ug/L	100
71) Naphthalene	14.058	128	424436	50.190	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	148843	49.912	ug/L	100

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

