

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063724.D
 Acq On : 17 Nov 2025 12:58
 Operator : MD/SY
 Sample : VSTD20049
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200049

Quant Time: Nov 18 01:29:39 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	329945	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.389	117	324908	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	182013	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	566265	241.450	ug/L	0.00
7) Chloroethane-d5	1.882	69	430669	222.120	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.538	63	969895	234.669	ug/L	0.00
21) 2-Butanone-d5	4.586	46	733207	475.582	ug/L	0.00
24) Chloroform-d	5.026	84	973147	227.138	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.666	65	614344	221.579	ug/L	0.00
32) Benzene-d6	5.692	84	1883828	232.730	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.660	67	552811	214.695	ug/L	0.00
41) Toluene-d8	7.869	98	1782257	234.059	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.152	79	255982	263.748	ug/L	0.00
47) 2-Hexanone-d5	8.605	63	488843	510.423	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.727	84	866917	220.167	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.167	152	687356	219.808	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.370	85	359419	199.999	ug/L	99
3) Chloromethane	1.505	50	400315	178.839	ug/L	99
5) Vinyl chloride	1.589	62	469223	175.140	ug/L	99
6) Bromomethane	1.821	94	301448	178.703	ug/L	98
8) Chloroethane	1.904	64	313141	172.918	ug/L	100
9) Trichlorofluoromethane	2.110	101	746527	189.206	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.550	101	439190	198.624	ug/L	98
12) 1,1-Dichloroethene	2.550	96	399694	202.252	ug/L	97
13) Acetone	2.599	43	800688	416.925	ug/L	100
14) Carbon disulfide	2.763	76	1096064	213.836	ug/L	98
15) Methyl Acetate	2.920	43	544502	201.918	ug/L	99
16) Methylene chloride	3.010	84	465592	188.752	ug/L	99
17) trans-1,2-Dichloroethene	3.319	96	438889	205.512	ug/L	93
18) Methyl tert-butyl Ether	3.332	73	1520107	218.509	ug/L	99
19) 1,1-Dichloroethane	3.830	63	835279	196.193	ug/L	99
20) cis-1,2-Dichloroethene	4.628	96	515965	207.448	ug/L	99
22) 2-Butanone	4.666	43	939591	434.110	ug/L	98
23) Bromochloromethane	4.936	128	265278	204.737	ug/L	97
25) Chloroform	5.052	83	902885	198.332	ug/L	99
27) 1,2-Dichloroethane	5.759	62	754090	202.487	ug/L	98
29) Cyclohexane	5.351	56	769529	200.153	ug/L	96
30) 1,1,1-Trichloroethane	5.280	97	789441	216.219	ug/L	99
31) Carbon tetrachloride	5.489	117	655929	225.547	ug/L	98
33) Benzene	5.740	78	1869515	198.352	ug/L	100
34) Trichloroethene	6.512	95	534076	198.922	ug/L	99
35) Methylcyclohexane	6.730	83	774965	201.784	ug/L	99
37) 1,2-Dichloropropane	6.759	63	505087	193.715	ug/L	100
38) Bromodichloromethane	7.074	83	691001	218.823	ug/L	97
39) cis-1,3-Dichloropropene	7.576	75	818497	238.727	ug/L	99
40) 4-Methyl-2-pentanone	7.762	43	1530116	408.306	ug/L	100
42) Toluene	7.939	91	2071474	198.920	ug/L	100
44) trans-1,3-Dichloropropene	8.180	75	696509	234.181	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.370	97	519217	203.464	ug/L	99
46) Tetrachloroethene	8.524	164	415601	211.761	ug/L	99
48) 2-Hexanone	8.656	43	1288421	447.870	ug/L	99
49) Dibromochloromethane	8.782	129	546349	235.593	ug/L	99
50) 1,2-Dibromoethane	8.894	107	551140	207.882	ug/L	100
51) Chlorobenzene	9.418	112	1414668	204.526	ug/L	99
52) Ethylbenzene	9.544	91	2476770	213.528	ug/L	99
53) m,p-Xylene	9.666	106	956644	219.254	ug/L	98
54) o-Xylene	10.074	106	936937	218.104	ug/L	97
55) Styrene	10.087	104	1596346	226.768	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.756	83	886086	206.744	ug/L	99
59) Bromoform	10.264	173	423173	232.111	ug/L	98
60) 1,2,3-Trichloropropane	10.794	75	727221	190.423	ug/L	99
61) Isopropylbenzene	10.457	105	2537621	201.940	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	2182640	211.673	ug/L	99
63) 1,2,4-Trimethylbenzene	11.441	105	2148841	215.616	ug/L	100
64) 1,3-Dichlorobenzene	11.717	146	1165047	204.074	ug/L	100
65) 1,4-Dichlorobenzene	11.811	146	1170771	203.196	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	1126146	201.483	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.965	75	219764	249.463	ug/L	95
69) 1,3,5-Trichlorobenzene	13.190	180	843469	211.734	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	754081	229.767	ug/L	99
71) Naphthalene	14.058	128	2225086	249.468	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	713941	226.987	ug/L	100

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

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