

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039389.D
 Acq On : 17 Nov 2025 13:13
 Operator : SY/MD
 Sample : VSTD20035
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200235

Quant Time: Nov 18 01:03:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:01:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	1156748	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1145111	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	671554	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	2156253	213.383	ug/L	0.00
7) Chloroethane-d5	1.539	69	1570159	177.161	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.069	65	907146	188.777	ug/L	0.00
21) 2-Butanone-d5	3.777	46	2604822	363.372	ug/L	0.00
24) Chloroform-d	4.249	84	3607425	176.539	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	2225366	186.433	ug/L	0.00
32) Benzene-d6	4.957	84	6982531	193.527	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	2157391	182.142	ug/L	0.00
41) Toluene-d8	7.233	98	6553652	204.071	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.538	79	1178758	223.730	ug/L	0.00
47) 2-Hexanone-d5	8.008	63	1961661	412.620	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.136	84	2933556	167.425	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.545	152	2604977	197.242	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	1439365	113.319	ug/L	100
3) Chloromethane	1.230	50	1564468	120.789	ug/L	100
5) Vinyl chloride	1.298	62	1789273	132.582	ug/L	99
6) Bromomethane	1.487	94	1080874	159.221	ug/L	99
8) Chloroethane	1.555	64	1147466	139.610	ug/L	96
9) Trichlorofluoromethane	1.722	101	2844806	154.571	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	1730250	157.507	ug/L	99
12) 1,1-Dichloroethene	2.079	96	1524361	155.321	ug/L	99
13) Acetone	2.117	43	2529468	462.408	ug/L	98
14) Carbon disulfide	2.249	76	4238541	143.601	ug/L	100
15) Methyl Acetate	2.375	43	2041461	157.332	ug/L	100
16) Methylene chloride	2.455	84	1753064	154.066	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	1666014	168.148	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	5662057	189.474	ug/L	100
19) 1,1-Dichloroethane	3.117	63	3201114	156.810	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	1985253	186.842	ug/L	100
22) 2-Butanone	3.854	43	3052673	388.834	ug/L	100
23) Bromochloromethane	4.146	128	1047561	181.976	ug/L	98
25) Chloroform	4.275	83	3366048	165.139	ug/L	100
27) 1,2-Dichloroethane	5.037	62	2675515	174.063	ug/L	100
29) Cyclohexane	4.584	56	2950734	186.095	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	2990869	177.857	ug/L	99
31) Carbon tetrachloride	4.735	117	2735119	185.027	ug/L	99
33) Benzene	5.008	78	6926201	174.610	ug/L	100
34) Trichloroethene	5.828	95	1911355	180.803	ug/L	100
35) Methylcyclohexane	6.047	83	3011238	184.387	ug/L	98
37) 1,2-Dichloropropane	6.085	63	1908080	167.424	ug/L	99
38) Bromodichloromethane	6.423	83	2654916	177.164	ug/L	99
39) cis-1,3-Dichloropropene	6.944	75	3395410	206.311	ug/L	99
40) 4-Methyl-2-pentanone	7.143	43	5426369	355.579	ug/L	97
42) Toluene	7.307	91	7492008	182.253	ug/L	98
44) trans-1,3-Dichloropropene	7.567	75	3201219	200.562	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.757	97	1954453	172.894	ug/L	99
46) Tetrachloroethene	7.895	164	1688924	208.306	ug/L	99
48) 2-Hexanone	8.059	43	4243947	374.727	ug/L	99
49) Dibromochloromethane	8.165	129	2270828	194.273	ug/L	99
50) 1,2-Dibromoethane	8.268	107	2137372	183.561	ug/L	98
51) Chlorobenzene	8.802	112	5128848	183.189	ug/L	99
52) Ethylbenzene	8.934	91	8476484	190.912	ug/L	98
53) m,p-Xylene	9.059	106	3332574	203.423	ug/L	97
54) o-Xylene	9.464	106	3249306	205.047	ug/L	97
55) Styrene	9.484	104	5601747	203.059	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.162	83	3040024	164.260	ug/L	98
59) Bromoform	9.651	173	1924914	200.202	ug/L	99
60) Isopropylbenzene	9.853	105	8538303	182.213	ug/L	99
61) 1,2,3-Trichloropropane	10.194	75	2352561	147.664	ug/L	99
62) 1,3,5-Trimethylbenzene	10.464	105	7084757	193.820	ug/L	98
63) 1,2,4-Trimethylbenzene	10.837	105	7018568	195.104	ug/L	100
64) 1,3-Dichlorobenzene	11.101	146	4339527	189.120	ug/L	99
65) 1,4-Dichlorobenzene	11.194	146	4449661	180.352	ug/L	100
67) 1,2-Dichlorobenzene	11.564	146	4206505	181.501	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.349	75	705589	155.193	ug/L	92
69) 1,3,5-Trichlorobenzene	12.567	180	3277379	211.816	ug/L	99
70) 1,2,4-trichlorobenzene	13.181	180	3122716	235.960	ug/L	99
71) Naphthalene	13.422	128	9256230	205.924	ug/L	99
72) 1,2,3-Trichlorobenzene	13.664	180	3132082	226.824	ug/L	100

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

