

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039387.D
 Acq On : 17 Nov 2025 12:30
 Operator : SY/MD
 Sample : VSTD05033
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050233

Quant Time: Nov 18 01:02:49 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	5.529	114	1141553	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1146549	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	680957	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	566048	56.762	ug/L	0.00
7) Chloroethane-d5	1.545	69	417652	47.751	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.072	65	230050	48.510	ug/L	0.00
21) 2-Butanone-d5	3.783	46	587067	82.986	ug/L	0.00
24) Chloroform-d	4.249	84	939729	46.600	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	574705	48.788	ug/L	0.00
32) Benzene-d6	4.956	84	1814951	50.240	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.979	67	545691	46.013	ug/L	0.00
41) Toluene-d8	7.233	98	1706705	53.078	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.542	79	276059	52.331	ug/L	0.00
47) 2-Hexanone-d5	8.011	63	430432	90.424	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.136	84	792543	45.176	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.545	152	666135	49.742	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	394532	31.474	ug/L	100
3) Chloromethane	1.230	50	418859	32.770	ug/L	100
5) Vinyl chloride	1.297	62	473400	35.545	ug/L	100
6) Bromomethane	1.500	94	256821	38.335	ug/L	100
8) Chloroethane	1.561	64	310774	38.315	ug/L	100
9) Trichlorofluoromethane	1.725	101	766655	42.210	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	466468	43.028	ug/L	100
12) 1,1-Dichloroethene	2.082	96	402855	41.594	ug/L	100
13) Acetone	2.117	43	703921	130.396	ug/L	100
14) Carbon disulfide	2.252	76	1136501	39.017	ug/L	100
15) Methyl Acetate	2.378	43	517954	40.449	ug/L	100
16) Methylene chloride	2.455	84	466206	41.517	ug/L	100
17) trans-1,2-Dichloroethene	2.703	96	435301	44.519	ug/L	100
18) Methyl tert-butyl Ether	2.709	73	1350991	45.811	ug/L	100
19) 1,1-Dichloroethane	3.117	63	838690	41.631	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	475793	45.375	ug/L	100
22) 2-Butanone	3.860	43	754133	97.336	ug/L	100
23) Bromochloromethane	4.146	128	271856	47.854	ug/L	100
25) Chloroform	4.275	83	900352	44.759	ug/L	100
27) 1,2-Dichloroethane	5.037	62	686134	45.232	ug/L	100
29) Cyclohexane	4.584	56	707119	44.540	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	789089	46.866	ug/L	100
31) Carbon tetrachloride	4.735	117	726061	49.056	ug/L	100
33) Benzene	5.005	78	1832093	46.129	ug/L	100
34) Trichloroethene	5.828	95	483414	45.671	ug/L	100
35) Methylcyclohexane	6.043	83	735371	44.972	ug/L	100
37) 1,2-Dichloropropane	6.085	63	504360	44.200	ug/L	100
38) Bromodichloromethane	6.426	83	691529	46.088	ug/L	100
39) cis-1,3-Dichloropropene	6.944	75	794287	48.202	ug/L	100
40) 4-Methyl-2-pentanone	7.143	43	1382633	90.488	ug/L	100
42) Toluene	7.304	91	2004374	48.698	ug/L	100
44) trans-1,3-Dichloropropene	7.571	75	778934	48.740	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.757	97	514899	45.492	ug/L	100
46) Tetrachloroethene	7.895	164	440726	54.289	ug/L	100
48) 2-Hexanone	8.059	43	1123415	99.070	ug/L	100
49) Dibromochloromethane	8.165	129	580990	49.642	ug/L	100
50) 1,2-Dibromoethane	8.268	107	547942	46.999	ug/L	100
51) Chlorobenzene	8.802	112	1329448	47.425	ug/L	100
52) Ethylbenzene	8.934	91	2163850	48.674	ug/L	100
53) m,p-Xylene	9.059	106	850241	51.834	ug/L	100
54) o-Xylene	9.464	106	798306	50.314	ug/L	100
55) Styrene	9.484	104	1482080	53.657	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.162	83	825161	44.530	ug/L	100
59) Bromoform	9.651	173	495363	50.809	ug/L	100
60) Isopropylbenzene	9.853	105	2170040	45.671	ug/L	100
61) 1,2,3-Trichloropropane	10.194	75	637597	39.468	ug/L	100
62) 1,3,5-Trimethylbenzene	10.464	105	1731314	46.710	ug/L	100
63) 1,2,4-Trimethylbenzene	10.837	105	1721387	47.191	ug/L	100
64) 1,3-Dichlorobenzene	11.104	146	1135743	48.813	ug/L	100
65) 1,4-Dichlorobenzene	11.194	146	1188099	47.491	ug/L	100
67) 1,2-Dichlorobenzene	11.564	146	1128347	48.013	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.348	75	176573	38.301	ug/L	100
69) 1,3,5-Trichlorobenzene	12.567	180	802732	51.164	ug/L	100
70) 1,2,4-trichlorobenzene	13.184	180	701142	52.248	ug/L	100
71) Naphthalene	13.422	128	2121079	46.536	ug/L	100
72) 1,2,3-Trichlorobenzene	13.664	180	756230	54.010	ug/L	100

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

