

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039386.D
 Acq On : 17 Nov 2025 12:01
 Operator : SY/MD
 Sample : VSTD01032
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010232

Manual Integrations
 APPROVED

Reviewed By :Amit
 Patel

Quant Time: Nov 18 01:02:14 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	1051725	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1077440	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	607088	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	107247	11.673	ug/L	0.00
7) Chloroethane-d5	1.548	69	80664	10.010	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.072	65	44016	10.074	ug/L	0.00
21) 2-Butanone-d5	3.815	46	106735m	16.376	ug/L	0.03
24) Chloroform-d	4.259	84	173061	9.315	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	111414	10.266	ug/L	0.00
32) Benzene-d6	4.966	84	321357	9.466	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	103692	9.304	ug/L	0.00
41) Toluene-d8	7.239	98	289087	9.567	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.554	79	47057	9.492	ug/L	0.01
47) 2-Hexanone-d5	8.021	63	66321m	14.826	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.140	84	155650	9.441	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.548	152	114149	9.561	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	77475	6.709	ug/L	100
3) Chloromethane	1.230	50	84820	7.203	ug/L	100
5) Vinyl chloride	1.298	62	96485	7.863	ug/L	99
6) Bromomethane	1.500	94	50305	8.150	ug/L	94
8) Chloroethane	1.564	64	64297	8.604	ug/L	98
9) Trichlorofluoromethane	1.728	101	155652	9.302	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	95241	9.536	ug/L	99
12) 1,1-Dichloroethene	2.085	96	80022	8.968	ug/L	92
13) Acetone	2.121	43	166790	33.535	ug/L	98
14) Carbon disulfide	2.256	76	230524	8.590	ug/L	100
15) Methyl Acetate	2.387	43	96071	8.143	ug/L	96
16) Methylene chloride	2.458	84	96747	9.352	ug/L	99
17) trans-1,2-Dichloroethene	2.709	96	80091	8.891	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	229543	8.448	ug/L	99
19) 1,1-Dichloroethane	3.121	63	163160	8.791	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	85117	8.811	ug/L	98
22) 2-Butanone	3.886	43	155199m	21.743	ug/L	
23) Bromochloromethane	4.159	128	54483	10.410	ug/L	97
25) Chloroform	4.281	83	182376	9.841	ug/L	99
27) 1,2-Dichloroethane	5.047	62	132304	9.467	ug/L	99
29) Cyclohexane	4.590	56	112393	7.534	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	156266	9.876	ug/L	99
31) Carbon tetrachloride	4.738	117	144932	10.420	ug/L	99
33) Benzene	5.011	78	333685	8.941	ug/L	100
34) Trichloroethene	5.838	95	89890	9.037	ug/L	98
35) Methylcyclohexane	6.047	83	121491	7.906	ug/L	98
37) 1,2-Dichloropropane	6.092	63	93230	8.694	ug/L	98
38) Bromodichloromethane	6.432	83	132720	9.413	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	128957	8.328	ug/L	97
40) 4-Methyl-2-pentanone	7.149	43	213795	14.889	ug/L	97
42) Toluene	7.310	91	347707	8.990	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	135022	8.991	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.760	97	102093	9.599	ug/L	96
46) Tetrachloroethene	7.899	164	83660	10.966	ug/L	98
48) 2-Hexanone	8.069	43	198253m	18.605	ug/L	100
49) Dibromochloromethane	8.169	129	116543	10.597	ug/L	98
50) 1,2-Dibromoethane	8.275	107	109585	10.002	ug/L	100
51) Chlorobenzene	8.805	112	257000	9.756	ug/L	97
52) Ethylbenzene	8.937	91	359399	8.603	ug/L	99
53) m,p-Xylene	9.066	106	133038	8.631	ug/L	99
54) o-Xylene	9.468	106	124536	8.352	ug/L	99
55) Styrene	9.487	104	217523	8.380	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.165	83	166195	9.544	ug/L	100
59) Bromoform	9.654	173	93468	10.753	ug/L	100
60) Isopropylbenzene	9.857	105	337752	7.973	ug/L	100
61) 1,2,3-Trichloropropane	10.197	75	124591	8.651	ug/L	99
62) 1,3,5-Trimethylbenzene	10.464	105	242789	7.347	ug/L	100
63) 1,2,4-Trimethylbenzene	10.841	105	233936	9.504	ug/L	98
64) 1,3-Dichlorobenzene	11.107	146	197139	9.897	ug/L	99
65) 1,4-Dichlorobenzene	11.197	146	220740	9.454	ug/L	100
67) 1,2-Dichlorobenzene	11.567	146	198074	8.292	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.352	75	34080	9.617	ug/L	98
69) 1,3,5-Trichlorobenzene	12.570	180	134516	9.038	ug/L	98
70) 1,2,4-trichlorobenzene	13.188	128	265510	6.534	ug/L	96
71) Naphthalene	13.426	180	115820			
72) 1,2,3-Trichlorobenzene	13.667					

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

