

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039388.D
 Acq On : 17 Nov 2025 12:52
 Operator : SY/MD
 Sample : VSTD10034
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100234

Quant Time: Nov 18 01:03:24 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	1130598	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1127481	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	682446	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	1113457	112.736	ug/L	0.00
7) Chloroethane-d5	1.542	69	818686	94.509	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.069	65	464305	98.856	ug/L	0.00
21) 2-Butanone-d5	3.780	46	1139214	162.596	ug/L	0.00
24) Chloroform-d	4.249	84	1839782	92.117	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	1137479	97.498	ug/L	0.00
32) Benzene-d6	4.957	84	3588699	101.019	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	1109503	95.137	ug/L	0.00
41) Toluene-d8	7.233	98	3404822	107.679	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.542	79	579329	111.677	ug/L	0.00
47) 2-Hexanone-d5	8.008	63	901562	192.602	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.136	84	1534723	88.960	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.545	152	1326965	98.871	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	730042	58.805	ug/L	99
3) Chloromethane	1.230	50	789881	62.396	ug/L	99
5) Vinyl chloride	1.298	62	908208	68.853	ug/L	98
6) Bromomethane	1.494	94	519155	78.244	ug/L	98
8) Chloroethane	1.558	64	581708	72.412	ug/L	97
9) Trichlorofluoromethane	1.725	101	1435629	79.808	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	882657	82.208	ug/L	99
12) 1,1-Dichloroethene	2.082	96	760086	79.239	ug/L	98
13) Acetone	2.114	43	1354029	253.253	ug/L	99
14) Carbon disulfide	2.252	76	2151147	74.566	ug/L	99
15) Methyl Acetate	2.378	43	978345	77.143	ug/L	100
16) Methylene chloride	2.455	84	875886	78.757	ug/L	97
17) trans-1,2-Dichloroethene	2.703	96	828599	85.563	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	2700688	92.466	ug/L	100
19) 1,1-Dichloroethane	3.117	63	1599794	80.180	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	958078	92.255	ug/L	99
22) 2-Butanone	3.857	43	1475147	192.243	ug/L	99
23) Bromochloromethane	4.146	128	526571	93.588	ug/L	99
25) Chloroform	4.275	83	1710184	85.842	ug/L	99
27) 1,2-Dichloroethane	5.037	62	1327237	88.344	ug/L	99
29) Cyclohexane	4.584	56	1449478	92.844	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	1494452	90.260	ug/L	100
31) Carbon tetrachloride	4.735	117	1372546	94.303	ug/L	99
33) Benzene	5.008	78	3485040	89.232	ug/L	100
34) Trichloroethene	5.828	95	936295	89.953	ug/L	100
35) Methylcyclohexane	6.047	83	1491086	92.731	ug/L	98
37) 1,2-Dichloropropane	6.085	63	959573	85.514	ug/L	99
38) Bromodichloromethane	6.423	83	1304667	88.423	ug/L	100
39) cis-1,3-Dichloropropene	6.944	75	1633275	100.793	ug/L	99
40) 4-Methyl-2-pentanone	7.143	43	2680210	178.375	ug/L	98
42) Toluene	7.304	91	3825272	94.510	ug/L	99
44) trans-1,3-Dichloropropene	7.567	75	1558934	99.197	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.757	97	976728	87.754	ug/L	99
46) Tetrachloroethene	7.895	164	848330	106.266	ug/L	99
48) 2-Hexanone	8.059	43	2149075	192.724	ug/L	99
49) Dibromochloromethane	8.165	129	1127397	97.959	ug/L	99
50) 1,2-Dibromoethane	8.268	107	1054045	91.938	ug/L	100
51) Chlorobenzene	8.802	112	2570585	93.250	ug/L	99
52) Ethylbenzene	8.934	91	4299335	98.346	ug/L	100
53) m,p-Xylene	9.059	106	1670299	103.550	ug/L	100
54) o-Xylene	9.464	106	1612368	103.339	ug/L	99
55) Styrene	9.480	104	2852557	105.020	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.162	83	1555037	85.336	ug/L	99
59) Bromoform	9.651	173	947681	96.991	ug/L	98
60) Isopropylbenzene	9.853	105	4350763	91.366	ug/L	100
61) 1,2,3-Trichloropropane	10.194	75	1203068	74.308	ug/L	99
62) 1,3,5-Trimethylbenzene	10.464	105	3532564	95.099	ug/L	99
63) 1,2,4-Trimethylbenzene	10.837	105	3519043	96.262	ug/L	100
64) 1,3-Dichlorobenzene	11.101	146	2183215	93.628	ug/L	100
65) 1,4-Dichlorobenzene	11.194	146	2255466	89.959	ug/L	100
67) 1,2-Dichlorobenzene	11.564	146	2134144	90.614	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.349	75	343216	74.285	ug/L	97
69) 1,3,5-Trichlorobenzene	12.567	180	1606426	102.166	ug/L	100
70) 1,2,4-trichlorobenzene	13.185	180	1455542	108.229	ug/L	100
71) Naphthalene	13.422	128	4435706	97.107	ug/L	100
72) 1,2,3-Trichlorobenzene	13.664	180	1508479	107.500	ug/L	100

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

