

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV060925\
 Data File : VV038767.D
 Acq On : 09 Jun 2025 14:51
 Operator : SY/MD
 Sample : VSTD20023
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200223

Quant Time: Jun 10 08:53:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 10 08:48:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	638986	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	655218	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	359173	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	982751	152.760	ug/L	0.00
7) Chloroethane-d5	1.532	69	861102	159.679	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	476342	165.118	ug/L	0.00
21) 2-Butanone-d5	3.777	46	1863976	804.368	ug/L	0.00
24) Chloroform-d	4.249	84	2097170	180.334	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	1282897	189.598	ug/L	0.00
32) Benzene-d6	4.957	84	4145912	199.831	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	1368202	204.230	ug/L	0.00
41) Toluene-d8	7.236	98	3797525	210.695	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.542	79	652583	236.379	ug/L	0.00
47) 2-Hexanone-d5	8.011	63	1399648	1009.957	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.140	84	1954847	235.333	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.548	152	1381676	201.538	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.118	85	1292628	259.843	ug/L	99
3) Chloromethane	1.227	50	1328813	205.591	ug/L	100
5) Vinyl chloride	1.294	62	1380223	205.819	ug/L	99
6) Bromomethane	1.481	94	637214	181.534	ug/L	98
8) Chloroethane	1.548	64	815223	190.891	ug/L	99
9) Trichlorofluoromethane	1.719	101	1785685	209.942	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	1047287	205.360	ug/L	99
12) 1,1-Dichloroethene	2.076	96	976692	203.684	ug/L	94
13) Acetone	2.117	43	1038106	455.868	ug/L	96
14) Carbon disulfide	2.246	76	2952000	198.187	ug/L	100
15) Methyl Acetate	2.375	43	1414632	310.598	ug/L	93
16) Methylene chloride	2.452	84	1102724	180.731	ug/L	92
17) trans-1,2-Dichloroethene	2.699	96	1028605	203.822	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	3419842	241.002	ug/L	99
19) 1,1-Dichloroethane	3.114	63	2059076	193.790	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	1195326	216.624	ug/L	92
22) 2-Butanone	3.857	43	1843881	688.675	ug/L	98
23) Bromochloromethane	4.146	128	583154	196.790	ug/L	87
25) Chloroform	4.275	83	2033380	190.721	ug/L	99
27) 1,2-Dichloroethane	5.037	62	1617884	211.711	ug/L	99
29) Cyclohexane	4.584	56	2012566	249.609	ug/L	93
30) 1,1,1-Trichloroethane	4.513	97	1752412	208.712	ug/L	97
31) Carbon tetrachloride	4.735	117	1526953	211.498	ug/L	99
33) Benzene	5.008	78	4431605	212.900	ug/L	100
34) Trichloroethene	5.828	95	1153679	215.503	ug/L	98
35) Methylcyclohexane	6.047	83	2001528	254.764	ug/L	98
37) 1,2-Dichloropropane	6.088	63	1245217	214.689	ug/L	98
38) Bromodichloromethane	6.426	83	1569136	205.537	ug/L	100
39) cis-1,3-Dichloropropene	6.944	75	2085577	251.309	ug/L	98
40) 4-Methyl-2-pentanone	7.146	43	3870058	751.699	ug/L	96
42) Toluene	7.307	91	4742333	223.293	ug/L	99
44) trans-1,3-Dichloropropene	7.571	75	1966173	250.024	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.757	97	1174215	214.733	ug/L	98
46) Tetrachloroethene	7.895	164	843882	222.002	ug/L	98
48) 2-Hexanone	8.063	43	2925752	819.807	ug/L	95
49) Dibromochloromethane	8.169	129	1239738	227.271	ug/L	98
50) 1,2-Dibromoethane	8.272	107	1255620	235.937	ug/L	100
51) Chlorobenzene	8.802	112	3064992	211.204	ug/L	98
52) Ethylbenzene	8.937	91	5380781	229.388	ug/L	99
53) m,p-Xylene	9.063	106	2057077	241.553	ug/L	98
54) o-Xylene	9.468	106	1998214	241.521	ug/L	99
55) Styrene	9.484	104	3486494	239.831	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.165	83	1988428	244.233	ug/L	99
59) Bromoform	9.654	173	918450	275.342	ug/L	99
60) Isopropylbenzene	9.857	105	5413740	239.607	ug/L	99
61) 1,2,3-Trichloropropane	10.198	75	1546172	258.143	ug/L	98
62) 1,3,5-Trimethylbenzene	10.464	105	4387452	250.673	ug/L	99
63) 1,2,4-Trimethylbenzene	10.841	105	4415935	248.791	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	2390071	218.196	ug/L	99
65) 1,4-Dichlorobenzene	11.198	146	2436824	207.500	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	2348364	211.066	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.349	75	480376	331.815	ug/L	92
69) 1,3,5-Trichlorobenzene	12.570	180	1622224	232.454	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	1516614	264.358	ug/L	99
71) Naphthalene	13.422	128	5830843	391.877	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	1527243	271.595	ug/L	99

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

