

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV060925\
 Data File : VV038766.D
 Acq On : 09 Jun 2025 14:29
 Operator : SY/MD
 Sample : VSTD10022
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100222

Quant Time: Jun 10 08:52:55 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	5.529	114	637994	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	652787	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	360961	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	508750	79.204	ug/L	0.00
7) Chloroethane-d5	1.536	69	452553	84.050	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	246234	85.487	ug/L	0.00
21) 2-Butanone-d5	3.773	46	919820	397.550	ug/L	0.00
24) Chloroform-d	4.243	84	1083015	93.272	ug/L	-0.01
26) 1,2-Dichloroethane-d4	4.934	65	653996	96.804	ug/L	0.00
32) Benzene-d6	4.953	84	2125813	102.845	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.979	67	687929	103.069	ug/L	0.00
41) Toluene-d8	7.233	98	1927010	107.313	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.542	79	320874	116.660	ug/L	0.00
47) 2-Hexanone-d5	8.008	63	699173	506.388	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.140	84	1014281	122.558	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.548	152	705562	102.407	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.118	85	689785	138.875	ug/L	100
3) Chloromethane	1.227	50	702918	108.923	ug/L	100
5) Vinyl chloride	1.291	62	732179	109.352	ug/L	100
6) Bromomethane	1.487	94	362522	103.438	ug/L	100
8) Chloroethane	1.555	64	434234	101.837	ug/L	99
9) Trichlorofluoromethane	1.719	101	945675	111.355	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	561734	110.320	ug/L	99
12) 1,1-Dichloroethene	2.076	96	511626	106.863	ug/L	94
13) Acetone	2.114	43	477908	210.192	ug/L	96
14) Carbon disulfide	2.246	76	1551959	104.355	ug/L	99
15) Methyl Acetate	2.375	43	718502	158.000	ug/L	94
16) Methylene chloride	2.452	84	586347	96.249	ug/L	92
17) trans-1,2-Dichloroethene	2.696	96	540196	107.209	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	1730039	122.108	ug/L	99
19) 1,1-Dichloroethane	3.111	63	1074767	101.309	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	604808	109.778	ug/L	92
22) 2-Butanone	3.854	43	893266	334.147	ug/L	100
23) Bromochloromethane	4.143	128	306209	103.493	ug/L	87
25) Chloroform	4.272	83	1060118	99.588	ug/L	100
27) 1,2-Dichloroethane	5.034	62	832028	109.046	ug/L	99
29) Cyclohexane	4.580	56	1017058	126.611	ug/L	93
30) 1,1,1-Trichloroethane	4.507	97	907240	108.454	ug/L	97
31) Carbon tetrachloride	4.732	117	784891	109.120	ug/L	100
33) Benzene	5.002	78	2294098	110.622	ug/L	100
34) Trichloroethene	5.825	95	586919	110.042	ug/L	100
35) Methylcyclohexane	6.043	83	1016556	129.874	ug/L	98
37) 1,2-Dichloropropane	6.085	63	648350	112.199	ug/L	97
38) Bromodichloromethane	6.423	83	808546	106.304	ug/L	99
39) cis-1,3-Dichloropropene	6.944	75	1045730	126.478	ug/L	100
40) 4-Methyl-2-pentanone	7.143	43	2015316	392.902	ug/L	96
42) Toluene	7.304	91	2459185	116.222	ug/L	99
44) trans-1,3-Dichloropropene	7.571	75	996535	127.194	ug/L	98

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45) 1,1,2-Trichloroethane	7.757	97	612643	112.454	ug/L	99
46) Tetrachloroethene	7.895	164	434263	114.668	ug/L	97
48) 2-Hexanone	8.059	43	1479270	416.041	ug/L	94
49) Dibromochloromethane	8.166	129	638438	117.475	ug/L	99
50) 1,2-Dibromoethane	8.268	107	652360	123.038	ug/L	98
51) Chlorobenzene	8.802	112	1569979	108.588	ug/L	98
52) Ethylbenzene	8.934	91	2760214	118.109	ug/L	100
53) m,p-Xylene	9.063	106	1046479	123.341	ug/L	97
54) o-Xylene	9.468	106	1011969	122.770	ug/L	100
55) Styrene	9.484	104	1797414	124.102	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.165	83	1041000	128.339	ug/L	99
59) Bromoform	9.654	173	473195	141.156	ug/L	99
60) Isopropylbenzene	9.854	105	2774968	122.209	ug/L	100
61) 1,2,3-Trichloropropane	10.198	75	812669	135.008	ug/L	98
62) 1,3,5-Trimethylbenzene	10.464	105	2247447	127.770	ug/L	100
63) 1,2,4-Trimethylbenzene	10.837	105	2235510	125.324	ug/L	100
64) 1,3-Dichlorobenzene	11.104	146	1228730	111.619	ug/L	99
65) 1,4-Dichlorobenzene	11.198	146	1273169	107.875	ug/L	100
67) 1,2-Dichlorobenzene	11.564	146	1213700	108.544	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.352	75	238630	164.015	ug/L	94
69) 1,3,5-Trichlorobenzene	12.571	180	812174	115.803	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	731622	126.896	ug/L	99
71) Naphthalene	13.423	128	2822511	188.754	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	766668	135.664	ug/L	99

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

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