

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV060925\
 Data File : VV038764.D
 Acq On : 09 Jun 2025 13:33
 Operator : SY/MD
 Sample : VSTD01020
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010220

Quant Time: Jun 10 08:52:11 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

Manual Integrations APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	574095	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	586795	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	293626	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	47644	8.243	ug/L	0.00
7) Chloroethane-d5	1.542	69	43304	8.938	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	24627	9.502	ug/L	0.00
21) 2-Butanone-d5	3.805	46	64337m	30.902	ug/L	0.02
24) Chloroform-d	4.249	84	100284	9.598	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	57644m	9.482	ug/L	0.00
32) Benzene-d6	4.960	84	177493	9.553	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	57813	9.636	ug/L	0.00
41) Toluene-d8	7.239	98	150998	9.355	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	25434	10.287	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	38501	31.021	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.143	84	88052	11.836	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	53833	9.605	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.117	85	65590	14.675	ug/L	99
3) Chloromethane	1.227	50	64908	11.178	ug/L	98
5) Vinyl chloride	1.294	62	69115	11.471	ug/L	100
6) Bromomethane	1.497	94	33841	10.731	ug/L	99
8) Chloroethane	1.558	64	39551	10.308	ug/L	99
9) Trichlorofluoromethane	1.722	101	87712	11.478	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	51267	11.189	ug/L	97
12) 1,1-Dichloroethene	2.079	96	48517	11.262	ug/L	91
13) Acetone	2.117	43	49212	24.053	ug/L	95
14) Carbon disulfide	2.249	76	142448	10.644	ug/L	98
15) Methyl Acetate	2.384	43	61697	15.077	ug/L	91
16) Methylene chloride	2.455	84	56214	10.255	ug/L	94
17) trans-1,2-Dichloroethene	2.703	96	46368	10.227	ug/L	94
18) Methyl tert-butyl Ether	2.706	73	130772	10.257	ug/L	99
19) 1,1-Dichloroethane	3.117	63	98397	10.307	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	45503	9.178	ug/L	92
22) 2-Butanone	3.889	43	65834m	27.368	ug/L	
23) Bromochloromethane	4.153	128	25758	9.675	ug/L	90
25) Chloroform	4.278	83	96017	10.024	ug/L	99
27) 1,2-Dichloroethane	5.043	62	69431	10.112	ug/L	99
29) Cyclohexane	4.580	56	71222	9.863	ug/L	95
30) 1,1,1-Trichloroethane	4.510	97	82570	10.981	ug/L	96
31) Carbon tetrachloride	4.731	117	71529	11.063	ug/L	96
33) Benzene	5.011	78	193127	10.360	ug/L	100
34) Trichloroethene	5.834	95	50649	10.564	ug/L	96
35) Methylcyclohexane	6.043	83	71952	10.226	ug/L	94
37) 1,2-Dichloropropane	6.092	63	52685	10.143	ug/L	98
38) Bromodichloromethane	6.429	83	72325	10.578	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	69091	9.296	ug/L	99
40) 4-Methyl-2-pentanone	7.149	43	137869	29.901	ug/L #	92
42) Toluene	7.310	91	190741	10.028	ug/L	96
44) trans-1,3-Dichloropropene	7.580	75	69429	9.858	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	54624	11.154	ug/L	95
46) Tetrachloroethene	7.899	164	37041	10.881	ug/L	96
48) 2-Hexanone	8.069	43	95464	29.868	ug/L #	91
49) Dibromochloromethane	8.169	129	54098	11.074	ug/L	99
50) 1,2-Dibromoethane	8.278	107	53521	11.230	ug/L	98
51) Chlorobenzene	8.805	112	133417	10.266	ug/L	98
52) Ethylbenzene	8.937	91	190728	9.079	ug/L	99
53) m,p-Xylene	9.066	106	66751	8.752	ug/L	100
54) o-Xylene	9.468	106	64546	8.711	ug/L	99
55) Styrene	9.490	104	112311	8.627	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.169	83	87577	12.011	ug/L	100
59) Bromoform	9.654	173	37656	13.809	ug/L #	97
60) Isopropylbenzene	9.857	105	174204	9.431	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	67941	13.875	ug/L	99
62) 1,3,5-Trimethylbenzene	10.464	105	125354	8.761	ug/L	98
63) 1,2,4-Trimethylbenzene	10.841	105	120460	8.302	ug/L	98
64) 1,3-Dichlorobenzene	11.107	146	91599	10.229	ug/L	98
65) 1,4-Dichlorobenzene	11.197	146	102642	10.691	ug/L	97
67) 1,2-Dichlorobenzene	11.567	146	90742	9.976	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	17837	15.071	ug/L	93
69) 1,3,5-Trichlorobenzene	12.570	180	57819	10.135	ug/L	98
70) 1,2,4-trichlorobenzene	13.191	180	47088	10.040	ug/L	100
71) Naphthalene	13.429	128	146093	12.010	ug/L	98
72) 1,2,3-Trichlorobenzene	13.670	180	49154	10.693	ug/L	99

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

