

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV060925\
 Data File : VV038763.D
 Acq On : 09 Jun 2025 11:32
 Operator : SY/MD
 Sample : VSTD00519
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005219

Quant Time: Jun 10 08:50:29 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	5.532	114	435062	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	470073	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	223285	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	21315	4.866	ug/L	0.00
7) Chloroethane-d5	1.542	69	20922	5.698	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.069	65	10581	5.387	ug/L	0.00
21) 2-Butanone-d5	3.835	46	24964m	15.822	ug/L	0.05
24) Chloroform-d	4.256	84	45699	5.772	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	24355	5.287	ug/L	0.01
32) Benzene-d6	4.966	84	73874	4.963	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	26718	5.559	ug/L	0.00
41) Toluene-d8	7.243	98	61631	4.766	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	9307	4.699	ug/L	0.02
47) 2-Hexanone-d5	8.034	63	14234	14.316	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.143	84	40474	6.792	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	24173	5.672	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.118	85	34021	10.044	ug/L	98
3) Chloromethane	1.227	50	34641	7.872	ug/L	98
5) Vinyl chloride	1.294	62	34207	7.492	ug/L	98
6) Bromomethane	1.497	94	18013	7.537	ug/L	94
8) Chloroethane	1.558	64	21769	7.487	ug/L	99
9) Trichlorofluoromethane	1.725	101	47960	8.282	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	29108	8.383	ug/L	98
12) 1,1-Dichloroethene	2.079	96	24474	7.496	ug/L	93
13) Acetone	2.121	43	23430	15.112	ug/L	94
14) Carbon disulfide	2.249	76	77079	7.600	ug/L	100
15) Methyl Acetate	2.388	43	30310	9.774	ug/L #	81
16) Methylene chloride	2.455	84	29160	7.019	ug/L	90
17) trans-1,2-Dichloroethene	2.706	96	23076	6.716	ug/L	93
18) Methyl tert-butyl Ether	2.709	73	62743	6.494	ug/L	98
19) 1,1-Dichloroethane	3.118	63	51005	7.050	ug/L	98
20) cis-1,2-Dichloroethene	3.828	96	23564	6.272	ug/L	93
22) 2-Butanone	3.908	43	32109m	17.614	ug/L	
23) Bromochloromethane	4.159	128	13640	6.760	ug/L	88
25) Chloroform	4.281	83	50204	6.916	ug/L	97
27) 1,2-Dichloroethane	5.047	62	36163	6.950	ug/L	95
29) Cyclohexane	4.587	56	32490	5.617	ug/L #	88
30) 1,1,1-Trichloroethane	4.513	97	43057	7.148	ug/L	97
31) Carbon tetrachloride	4.735	117	37639	7.267	ug/L	93
33) Benzene	5.015	78	92530	6.196	ug/L	100
34) Trichloroethene	5.838	95	26560	6.915	ug/L	98
35) Methylcyclohexane	6.047	83	36130	6.410	ug/L	93
37) 1,2-Dichloropropane	6.095	63	29501	7.090	ug/L #	93
38) Bromodichloromethane	6.436	83	39215	7.160	ug/L #	98
39) cis-1,3-Dichloropropene	6.960	75	33602	5.644	ug/L	92
40) 4-Methyl-2-pentanone	7.156	43	59345	16.067	ug/L	94
42) Toluene	7.314	91	89696	5.887	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	32914	5.834	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	29904	7.623	ug/L	95
46) Tetrachloroethene	7.902	164	19531	7.162	ug/L	95
48) 2-Hexanone	8.076	43	42424	16.569	ug/L #	84
49) Dibromochloromethane	8.169	129	29247	7.473	ug/L	98
50) 1,2-Dibromoethane	8.281	107	29586	7.749	ug/L	92
51) Chlorobenzene	8.809	112	67883	6.520	ug/L	96
52) Ethylbenzene	8.940	91	94659	5.625	ug/L	96
53) m,p-Xylene	9.069	106	31958	5.231	ug/L	98
54) o-Xylene	9.474	106	31769	5.352	ug/L	92
55) Styrene	9.493	104	50115	4.805	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.169	83	47880	8.197	ug/L	99
59) Bromoform	9.661	173	20451	9.862	ug/L	95
60) Isopropylbenzene	9.860	105	82145	5.848	ug/L	98
61) 1,2,3-Trichloropropane	10.204	75	36525	9.809	ug/L	97
62) 1,3,5-Trimethylbenzene	10.468	105	61709	5.671	ug/L	97
63) 1,2,4-Trimethylbenzene	10.844	105	59001	5.347	ug/L	98
64) 1,3-Dichlorobenzene	11.111	146	43514	6.390	ug/L	93
65) 1,4-Dichlorobenzene	11.198	146	49846	6.828	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	47110	6.811	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.358	75	10393	11.548	ug/L	92
69) 1,3,5-Trichlorobenzene	12.574	180	29976	6.909	ug/L	95
70) 1,2,4-trichlorobenzene	13.188	180	22912	6.424	ug/L	100
71) Naphthalene	13.429	128	70617	7.634	ug/L	97
72) 1,2,3-Trichlorobenzene	13.667	180	23845	6.821	ug/L	97

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

