

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
 Data File : VV039283.D
 Acq On : 07 Oct 2025 10:03
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:38:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	4.600	168	588248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	967612	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	961105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	497241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.950	65	42369	5.069	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	10.140%#		
35) Dibromofluoromethane	4.510	113	37861	4.966	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	9.940%#		
50) Toluene-d8	7.243	98	108435	4.181	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	8.360%#		
62) 4-Bromofluorobenzene	10.008	95	38301	4.146	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	8.300%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	34330	4.617	ug/l	100
3) Chloromethane	1.230	50	38742	5.005	ug/l	100
4) Vinyl Chloride	1.298	62	44755	5.068	ug/l	94
5) Bromomethane	1.490	94	31690	5.531	ug/l	100
6) Chloroethane	1.558	64	31757	4.465	ug/l	99
7) Trichlorofluoromethane	1.725	101	69716	5.168	ug/l	90
8) Diethyl Ether	1.918	74	25622	5.256	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.079	101	42697	5.285	ug/l	97
10) Methyl Iodide	2.198	142	28115	4.040	ug/l	97
11) Tert butyl alcohol	2.577	59	45455	28.061	ug/l	96
12) 1,1-Dichloroethene	2.082	96	41934	5.287	ug/l	98
13) Acrolein	2.011	56	37550	34.092	ug/l	97
14) Allyl chloride	2.359	41	65980	5.247	ug/l	98
15) Acrylonitrile	2.677	53	124516	25.920	ug/l	97
16) Acetone	2.121	43	119529	21.363	ug/l	99
17) Carbon Disulfide	2.252	76	113750	5.077	ug/l	99
18) Methyl Acetate	2.381	43	48140	4.445	ug/l	94
19) Methyl tert-butyl Ether	2.712	73	122790	5.143	ug/l	96
20) Methylene Chloride	2.458	84	48899	4.579	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	43669	5.229	ug/l	96
22) Diisopropyl ether	3.220	45	113802	5.041	ug/l #	76
23) Vinyl Acetate	3.195	43	506675	25.566	ug/l	99
24) 1,1-Dichloroethane	3.121	63	81412	5.383	ug/l	98
25) 2-Butanone	3.886	43	118955	23.338	ug/l	99
26) 2,2-Dichloropropane	3.815	77	61297	5.032	ug/l	98
27) cis-1,2-Dichloroethene	3.825	96	42753	5.113	ug/l	98
28) Bromochloromethane	4.153	49	35668	5.396	ug/l	99
29) Tetrahydrofuran	4.249	42	69338	21.221	ug/l	98
30) Chloroform	4.285	83	83381	5.406	ug/l	96
31) Cyclohexane	4.584	56	58787	5.337	ug/l #	78
32) 1,1,1-Trichloroethane	4.519	97	71313	5.288	ug/l	100
36) 1,1-Dichloropropene	4.751	75	46175	4.822	ug/l	97
37) Ethyl Acetate	3.998	43	58945m	5.275	ug/l	
38) Carbon Tetrachloride	4.735	117	61436	5.062	ug/l	100
39) Methylcyclohexane	6.047	83	48503	4.432	ug/l	93
40) Benzene	5.014	78	155202	5.051	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.191	41	16876	5.092	ug/l	95
42) 1,2-Dichloroethane	5.047	62	54624	5.065	ug/l	98
43) Isopropyl Acetate	5.207	43	68435	4.482	ug/l	96
44) Trichloroethene	5.841	130	38500	4.982	ug/l	96
45) 1,2-Dichloropropane	6.095	63	34291	4.586	ug/l	96
46) Dibromomethane	6.236	93	32930	5.269	ug/l	97
47) Bromodichloromethane	6.432	83	64658	5.251	ug/l	95
48) Methyl methacrylate	6.317	41	24607	3.619	ug/l	97
49) 1,4-Dioxane	6.310	88	8697	76.890	ug/l	94
51) 4-Methyl-2-Pentanone	7.156	43	227471	22.339	ug/l	96
52) Toluene	7.313	92	89683	4.834	ug/l	98
53) t-1,3-Dichloropropene	7.587	75	52481	4.876	ug/l	97
54) cis-1,3-Dichloropropene	6.956	75	57395	4.797	ug/l	98
55) 1,1,2-Trichloroethane	7.767	97	41447	4.947	ug/l	94
56) Ethyl methacrylate	7.725	69	36737	3.928	ug/l	93
57) 1,3-Dichloropropane	7.940	76	61872	4.894	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.821	63	86926	22.960	ug/l	95
59) 2-Hexanone	8.072	43	155844	20.847	ug/l	94
60) Dibromochloromethane	8.172	129	50201	5.125	ug/l	97
61) 1,2-Dibromoethane	8.281	107	43447	4.981	ug/l	96
64) Tetrachloroethene	7.899	164	34702	4.950	ug/l	97
65) Chlorobenzene	8.805	112	113867	5.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.899	131	42539	4.991	ug/l	99
67) Ethyl Benzene	8.940	91	148460	4.430	ug/l	99
68) m/p-Xylenes	9.066	106	109401	8.230	ug/l	94
69) o-Xylene	9.471	106	49355	4.204	ug/l	96
70) Styrene	9.493	104	81766	3.915	ug/l	96
71) Bromoform	9.657	173	34260	4.971	ug/l #	98
73) Isopropylbenzene	9.857	105	132019	4.372	ug/l	97
74) N-amyl acetate	9.731	43	50235	4.008	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.169	83	72162	5.204	ug/l	97
76) 1,2,3-Trichloropropane	10.201	75	51295	5.169	ug/l	96
77) Bromobenzene	10.146	156	40198	4.843	ug/l	95
78) n-propylbenzene	10.278	91	158201	4.318	ug/l	99
79) 2-Chlorotoluene	10.349	91	106185	4.694	ug/l	98
80) 1,3,5-Trimethylbenzene	10.464	105	110241	4.353	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.934	75	17131	4.359	ug/l	92
82) 4-Chlorotoluene	10.468	91	118012	4.539	ug/l	99
83) tert-Butylbenzene	10.789	119	114952	4.571	ug/l	97
84) 1,2,4-Trimethylbenzene	10.841	105	102036	4.093	ug/l	97
85) sec-Butylbenzene	11.014	105	140416	4.416	ug/l	98
86) p-Isopropyltoluene	11.169	119	119647	4.377	ug/l	97
87) 1,3-Dichlorobenzene	11.107	146	80737	4.876	ug/l	99
88) 1,4-Dichlorobenzene	11.197	146	93915	5.032	ug/l	91
89) n-Butylbenzene	11.580	91	112555	4.421	ug/l	96
90) Hexachloroethane	11.821	117	36205	5.356	ug/l	99
91) 1,2-Dichlorobenzene	11.570	146	75697	4.806	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.355	75	14288	5.011	ug/l	91
93) 1,2,4-Trichlorobenzene	13.188	180	38484	4.381	ug/l	94
94) Hexachlorobutadiene	13.368	225	21935	4.932	ug/l	98
95) Naphthalene	13.429	128	113700	3.951	ug/l	98
96) 1,2,3-Trichlorobenzene	13.670	180	39397	4.315	ug/l	97

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

