

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR100325\
 Data File : VR026778.D
 Acq On : 3 Oct 2025 17:07
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:34:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82R100325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 04 04:30:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.778	168	1347176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.753	114	2170371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.903	117	2070100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.106	152	1420801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.160	65	846010	52.242	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.480%	
35) Dibromofluoromethane	7.702	113	639351	53.511	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.020%	
50) Toluene-d8	10.416	98	2751880	55.701	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.400%	
62) 4-Bromofluorobenzene	13.037	95	1115323	51.390	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.979	85	698817	54.167	ug/l	100
3) Chloromethane	2.190	50	818382	46.688	ug/l	100
4) Vinyl Chloride	2.320	62	611166	49.330	ug/l	100
5) Bromomethane	2.666	94	139725	36.213	ug/l	100
6) Chloroethane	2.807	64	327335	47.736	ug/l	100
7) Trichlorofluoromethane	3.142	101	1069772	50.644	ug/l	100
8) Diethyl Ether	3.553	74	469622	48.973	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.894	101	627393	48.702	ug/l	100
10) Methyl Iodide	4.082	142	931546	49.410	ug/l	100
11) Tert butyl alcohol	4.946	59	951221	241.916	ug/l	100
12) 1,1-Dichloroethene	3.871	96	673498	49.838	ug/l	100
13) Acrolein	3.741	56	928210	232.977	ug/l	100
14) Allyl chloride	4.458	41	1432475	51.466	ug/l	100
15) Acrylonitrile	5.116	53	2637499	248.108	ug/l	100
16) Acetone	3.959	43	2442707	226.781	ug/l	100
17) Carbon Disulfide	4.182	76	1694774	54.283	ug/l	100
18) Methyl Acetate	4.464	43	1302262	50.241	ug/l	100
19) Methyl tert-butyl Ether	5.193	73	2358014	50.705	ug/l	100
20) Methylene Chloride	4.676	84	766670	46.670	ug/l	100
21) trans-1,2-Dichloroethene	5.169	96	710340	48.581	ug/l	100
22) Diisopropyl ether	6.074	45	2668412	50.481	ug/l	100
23) Vinyl Acetate	6.003	43	8570001	241.056	ug/l	100
24) 1,1-Dichloroethane	5.957	63	1322854	49.832	ug/l	100
25) 2-Butanone	6.949	43	3824417	249.107	ug/l	100
26) 2,2-Dichloropropane	6.938	77	1018411	52.872	ug/l	100
27) cis-1,2-Dichloroethene	6.938	96	845541	50.143	ug/l	100
28) Bromochloromethane	7.296	49	657689	49.620	ug/l	100
29) Tetrahydrofuran	7.331	42	2595449	259.748	ug/l	100
30) Chloroform	7.478	83	1261119	49.432	ug/l	100
31) Cyclohexane	7.784	56	1329969	47.909	ug/l	100
32) 1,1,1-Trichloroethane	7.690	97	1118282	51.994	ug/l	100
36) 1,1-Dichloropropene	7.919	75	959155	49.833	ug/l	100
37) Ethyl Acetate	7.043	43	1402624	49.952	ug/l	100
38) Carbon Tetrachloride	7.907	117	911769	53.973	ug/l	100
39) Methylcyclohexane	9.306	83	1264675	51.306	ug/l	100
40) Benzene	8.183	78	3073421	51.030	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.273	41	804151	53.445	ug/l	100
42) 1,2-Dichloroethane	8.260	62	972385	49.135	ug/l	100
43) Isopropyl Acetate	8.307	43	2123085	53.847	ug/l	100
44) Trichloroethene	9.029	130	723195	48.386	ug/l	100
45) 1,2-Dichloropropane	9.335	63	723454	51.061	ug/l	100
46) Dibromomethane	9.429	93	487140	51.598	ug/l	100
47) Bromodichloromethane	9.646	83	954536	52.827	ug/l	100
48) Methyl methacrylate	9.423	41	1075641	52.834	ug/l	100
49) 1,4-Dioxane	9.429	88	492024	1020.625	ug/l	100
51) 4-Methyl-2-Pentanone	10.293	43	6253490	241.165	ug/l	100
52) Toluene	10.487	92	2028161	51.663	ug/l	100
53) t-1,3-Dichloropropene	10.733	75	1151772	56.638	ug/l	100
54) cis-1,3-Dichloropropene	10.128	75	1177827	55.147	ug/l	100
55) 1,1,2-Trichloroethane	10.939	97	719507	51.838	ug/l	100
56) Ethyl methacrylate	10.786	69	1403711	54.471	ug/l	100
57) 1,3-Dichloropropane	11.104	76	1284585	51.079	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.964	63	846663	257.025	ug/l	100
59) 2-Hexanone	11.150	43	5334767	238.411	ug/l	100
60) Dibromochloromethane	11.327	129	746991	55.749	ug/l	100
61) 1,2-Dibromoethane	11.444	107	754303	51.042	ug/l	100
64) Tetrachloroethene	11.027	164	675980	49.163	ug/l	100
65) Chlorobenzene	11.932	112	2295189	50.116	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.014	131	696256	52.415	ug/l	100
67) Ethyl Benzene	12.020	91	3876292	50.872	ug/l	100
68) m/p-Xylenes	12.143	106	3167941	101.737	ug/l	100
69) o-Xylene	12.520	106	1586457	52.192	ug/l	100
70) Styrene	12.531	104	2789027	52.157	ug/l	100
71) Bromoform	12.719	173	581004	49.952	ug/l	100
73) Isopropylbenzene	12.860	105	3941224	51.296	ug/l	100
74) N-amyl acetate	12.643	43	2240088	52.251	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.142	83	1274118	50.057	ug/l	100
76) 1,2,3-Trichloropropane	13.201	75	1273140m	53.987	ug/l	100
77) Bromobenzene	13.183	156	1046565	48.995	ug/l	100
78) n-propylbenzene	13.248	91	4721796	49.843	ug/l	100
79) 2-Chlorotoluene	13.348	91	2998359	50.773	ug/l	100
80) 1,3,5-Trimethylbenzene	13.407	105	3571148	51.386	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.913	75	464521	56.536	ug/l	100
82) 4-Chlorotoluene	13.460	91	3199877	49.025	ug/l	100
83) tert-Butylbenzene	13.706	119	3204102	51.724	ug/l	100
84) 1,2,4-Trimethylbenzene	13.759	105	3786952	50.779	ug/l	100
85) sec-Butylbenzene	13.906	105	4544822	50.459	ug/l	100
86) p-Isopropyltoluene	14.035	119	4161766	50.896	ug/l	100
87) 1,3-Dichlorobenzene	14.041	146	2252694	47.804	ug/l	100
88) 1,4-Dichlorobenzene	14.129	146	2369144	47.787	ug/l	100
89) n-Butylbenzene	14.406	91	4050251	50.617	ug/l	100
90) Hexachloroethane	14.723	117	631561	57.877	ug/l	100
91) 1,2-Dichlorobenzene	14.464	146	2347765	49.934	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	15.169	75	367292	56.897	ug/l	100
93) 1,2,4-Trichlorobenzene	15.980	180	1683876	49.466	ug/l	100
94) Hexachlorobutadiene	16.109	225	708367	48.200	ug/l	100
95) Naphthalene	16.286	128	5141367	51.307	ug/l	100
96) 1,2,3-Trichlorobenzene	16.521	180	1628920	49.478	ug/l	100

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

