

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR100325\
 Data File : VR026779.D
 Acq On : 3 Oct 2025 17:33
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 04 04:35:11 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.778	168	1480808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.753	114	2392239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.903	117	2352176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.106	152	1761511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	1889624	106.155	ug/l	0.00
Spiked Amount 50.000			Recovery	=	212.320%	
35) Dibromofluoromethane	7.702	113	1429404	108.540	ug/l	0.00
Spiked Amount 50.000			Recovery	=	217.080%	
50) Toluene-d8	10.416	98	5624102	103.279	ug/l	0.00
Spiked Amount 50.000			Recovery	=	206.560%	
62) 4-Bromofluorobenzene	13.037	95	2788458	116.566	ug/l	0.00
Spiked Amount 50.000			Recovery	=	233.140%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.973	85	1491654	105.188	ug/l	98
3) Chloromethane	2.184	50	1808794	93.879	ug/l	100
4) Vinyl Chloride	2.314	62	1369535	100.566	ug/l	100
5) Bromomethane	2.660	94	252053	59.430	ug/l	98
6) Chloroethane	2.778	64	678247	89.984	ug/l	95
7) Trichlorofluoromethane	3.119	101	2142209	92.262	ug/l	97
8) Diethyl Ether	3.547	74	1029449	97.664	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.877	101	1372000	96.892	ug/l	99
10) Methyl Iodide	4.070	142	2143781	100.289	ug/l	99
11) Tert butyl alcohol	4.975	59	2312929	535.145	ug/l	99
12) 1,1-Dichloroethene	3.853	96	1497205	100.794	ug/l	97
13) Acrolein	3.736	56	2036485	465.023	ug/l	99
14) Allyl chloride	4.446	41	3110398	101.666	ug/l	100
15) Acrylonitrile	5.116	53	5426751	464.424	ug/l	99
16) Acetone	3.959	43	4793158	404.839	ug/l	98
17) Carbon Disulfide	4.170	76	3781165	110.179	ug/l	98
18) Methyl Acetate	4.464	43	2690130	94.418	ug/l	99
19) Methyl tert-butyl Ether	5.193	73	5108468	99.935	ug/l	96
20) Methylene Chloride	4.670	84	1638253	90.727	ug/l	99
21) trans-1,2-Dichloroethene	5.163	96	1549457	96.406	ug/l	95
22) Diisopropyl ether	6.074	45	5629849	96.894	ug/l	98
23) Vinyl Acetate	6.003	43	13618073	348.480	ug/l #	77
24) 1,1-Dichloroethane	5.951	63	2885539	98.890	ug/l	99
25) 2-Butanone	6.949	43	7369882	436.724	ug/l	91
26) 2,2-Dichloropropane	6.932	77	2245064	106.037	ug/l	100
27) cis-1,2-Dichloroethene	6.932	96	1876065	101.216	ug/l	98
28) Bromochloromethane	7.302	49	1448462	99.419	ug/l #	14
29) Tetrahydrofuran	7.331	42	5256502	478.587	ug/l	97
30) Chloroform	7.478	83	2787157	99.389	ug/l	100
31) Cyclohexane	7.784	56	2884982	94.546	ug/l	99
32) 1,1,1-Trichloroethane	7.690	97	2485037	105.114	ug/l	100
36) 1,1-Dichloropropene	7.919	75	2149417	101.316	ug/l	100
37) Ethyl Acetate	7.043	43	2997182	96.840	ug/l	100
38) Carbon Tetrachloride	7.901	117	2076300	111.509	ug/l	99
39) Methylcyclohexane	9.306	83	2780861	102.352	ug/l	96
40) Benzene	8.177	78	6147376	92.603	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.273	41	1626527	98.075	ug/l	95
42) 1,2-Dichloroethane	8.260	62	2152018	98.658	ug/l	99
43) Isopropyl Acetate	8.307	43	4492677	103.379	ug/l	97
44) Trichloroethene	9.029	130	1648529	100.067	ug/l	93
45) 1,2-Dichloropropane	9.335	63	1609884	103.087	ug/l	98
46) Dibromomethane	9.429	93	1074868	103.291	ug/l	99
47) Bromodichloromethane	9.640	83	2172069	109.060	ug/l	96
48) Methyl methacrylate	9.423	41	2360781	105.205	ug/l	99
49) 1,4-Dioxane	9.435	88	1124759	2116.747	ug/l	99
51) 4-Methyl-2-Pentanone	10.293	43	9918086	347.016	ug/l #	79
52) Toluene	10.487	92	4314746	99.715	ug/l	86
53) t-1,3-Dichloropropene	10.733	75	2633725	117.501	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	2693302	114.408	ug/l	98
55) 1,1,2-Trichloroethane	10.939	97	1624527	106.186	ug/l	98
56) Ethyl methacrylate	10.786	69	3208091	112.944	ug/l	99
57) 1,3-Dichloropropane	11.103	76	2853834	102.952	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.964	63	2149176	498.989	ug/l	100
59) 2-Hexanone	11.156	43	9140846	370.617	ug/l	83
60) Dibromochloromethane	11.327	129	1770411	119.874	ug/l	100
61) 1,2-Dibromoethane	11.450	107	1714064	105.231	ug/l	100
64) Tetrachloroethene	11.027	164	1519383	97.251	ug/l	97
65) Chlorobenzene	11.932	112	4864827	93.486	ug/l	94
66) 1,1,1,2-Tetrachloroethane	12.014	131	1635304	108.344	ug/l	100
67) Ethyl Benzene	12.020	91	7141849	82.488	ug/l #	79
68) m/p-Xylenes	12.143	106	6452859	182.379	ug/l	78
69) o-Xylene	12.519	106	3557975	103.015	ug/l	84
70) Styrene	12.531	104	5852605	96.324	ug/l	91
71) Bromoform	12.725	173	1560122	100.003	ug/l #	99
73) Isopropylbenzene	12.860	105	7258397	76.197	ug/l	86
74) N-amyl acetate	12.643	43	5158125	97.044	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.142	83	3225580	102.214	ug/l	100
76) 1,2,3-Trichloropropane	13.201	75	2892189m	98.920	ug/l	
77) Bromobenzene	13.183	156	2510156	94.783	ug/l	99
78) n-propylbenzene	13.248	91	8307491	70.731	ug/l	84
79) 2-Chlorotoluene	13.348	91	6294781	85.976	ug/l	91
80) 1,3,5-Trimethylbenzene	13.407	105	6998630	81.226	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.913	75	1242960	122.019	ug/l	96
82) 4-Chlorotoluene	13.460	91	6656926	82.262	ug/l	90
83) tert-Butylbenzene	13.706	119	6723672	87.547	ug/l	92
84) 1,2,4-Trimethylbenzene	13.753	105	7444040	80.511	ug/l	86
85) sec-Butylbenzene	13.912	105	8328089	74.578	ug/l	85
86) p-Isopropyltoluene	14.035	119	7847852	77.412	ug/l	84
87) 1,3-Dichlorobenzene	14.041	146	5149584	88.142	ug/l	96
88) 1,4-Dichlorobenzene	14.129	146	5330506	86.722	ug/l	94
89) n-Butylbenzene	14.406	91	7641987	77.032	ug/l	86
90) Hexachloroethane	14.723	117	1674623	123.781	ug/l	100
91) 1,2-Dichlorobenzene	14.464	146	5215679	89.474	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	15.169	75	824150	102.975	ug/l	99
93) 1,2,4-Trichlorobenzene	15.980	180	3747416	88.792	ug/l	99
94) Hexachlorobutadiene	16.109	225	1613845	88.572	ug/l	99
95) Naphthalene	16.286	128	9872773	99.402	ug/l #	93
96) 1,2,3-Trichlorobenzene	16.521	180	3631803	88.977	ug/l	99

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

