

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082025\
 Data File : VR026746.D
 Acq On : 20 Aug 2025 17:14
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 21 08:41:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:23:46 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/25/2025
 Supervised By : Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	7.385	168	2938411	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.389	114	4495060	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.563	117	3505422	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.761	152	928230	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.767	65	3961044	107.342	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	214.680%#
34) Dibromofluoromethane	7.292	113	3195232	108.988	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	217.980%#
49) Toluene-d8	10.074	98	7800516	79.367	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	158.740%#
61) 4-Bromofluorobenzene	12.692	95	2785043	99.870	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	199.740%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.814	85	2551426	91.887	ug/l	99
3) Chloromethane	1.814	50	278533	84.310	ug/l #	99
4) Vinyl Chloride	2.119	62	3845590	84.168	ug/l	100
5) Bromomethane	2.433	94	740629	52.800	ug/l	97
6) Chloroethane	2.546	64	1637240	102.459	ug/l	93
7) Trichlorofluoromethane	2.844	101	6610914	74.643	ug/l	93
8) Diethyl Ether	3.232	74	2813930	99.320	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.521	101	3519068	99.434	ug/l	100
10) Methyl Iodide	3.701	142	3897129	103.610	ug/l	98
11) Tert butyl alcohol	4.516	59	2842653	501.097	ug/l #	84
12) 1,1-Dichloroethene	3.505	96	3877318	100.957	ug/l	95
13) Acrolein	3.402	56	1703273	506.026	ug/l	98
14) Allyl chloride	4.038	41	6830297	96.504	ug/l	96
15) Acrylonitrile	4.657	53	10493458	432.506	ug/l	94
16) Acetone	3.605	43	8035875	411.405	ug/l	88
17) Carbon Disulfide	3.791	76	9119832	97.774	ug/l #	91
18) Methyl Acetate	4.057	43	5472236	96.170	ug/l	99
19) Methyl tert-butyl Ether	4.715	73	11448191	93.984	ug/l #	83
20) Methylene Chloride	4.246	84	4013765	96.315	ug/l	97
21) trans-1,2-Dichloroethene	4.686	96	4046374	100.768	ug/l	99
22) Diisopropyl ether	5.610	45	12184763	83.681	ug/l #	78
23) Vinyl Acetate	5.540	43	21585528	263.280	ug/l #	64
24) 1,1-Dichloroethane	5.479	63	6998996	97.678	ug/l	98
25) 2-Butanone	6.496	43	11591017	382.196	ug/l #	70
26) 2,2-Dichloropropane	6.467	77	5498956	112.023	ug/l	99
27) cis-1,2-Dichloroethene	6.470	96	4685102	103.087	ug/l	98
28) Bromochloromethane	6.858	49	1960841	92.463	ug/l	98
29) Chloroform	7.057	83	6355123	98.715	ug/l	92
30) Cyclohexane	7.365	56	6695518	88.608	ug/l	94
31) 1,1,1-Trichloroethane	7.272	97	5763280	110.247	ug/l	97
35) 1,1-Dichloropropene	7.513	75	5009042	109.713	ug/l	97
36) Ethyl Acetate	6.602	43	6054456	103.463	ug/l	98
37) Carbon Tetrachloride	7.494	117	5101797	124.178	ug/l	96
38) Methylcyclohexane	8.941	83	5786358	101.281	ug/l	88
39) Benzene	7.783	78	10668996	76.119	ug/l #	64
40) Methacrylonitrile	6.842	41	3337556	109.559	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.872	62	4134817	106.395	ug/l	99
42) Isopropyl Acetate	7.943	43	7625090	92.084	ug/l #	90
43) Trichloroethene	8.662	130	3272129	107.007	ug/l	100
44) 1,2-Dichloropropane	8.973	63	3654797	108.921	ug/l	97
45) Dibromomethane	9.073	93	2498513	117.215	ug/l	99
46) Bromodichloromethane	9.294	83	4448873	112.127	ug/l	92
47) Methyl methacrylate	9.079	41	4407579	109.054	ug/l	94
48) 1,4-Dioxane	9.079	88	979770	1887.073	ug/l	98
50) 4-Methyl-2-Pentanone	9.965	43	11324493	382.270	ug/l	86
51) Toluene	10.148	92	6910552	86.342	ug/l	81
52) t-1,3-Dichloropropene	10.398	75	4373397	116.377	ug/l	89
53) cis-1,3-Dichloropropene	9.785	75	4890472	107.270	ug/l #	86
54) 1,1,2-Trichloroethane	10.603	97	3059303	107.690	ug/l	99
55) Ethyl methacrylate	10.465	69	5010813	102.545	ug/l	93
56) 1,3-Dichloropropane	10.767	76	4773997	99.701	ug/l	93
57) 2-Chloroethyl Vinyl ether	9.631	63	2255194	499.713	ug/l	99
58) 2-Hexanone	10.828	43	8970968	320.608	ug/l	89
59) Dibromochloromethane	10.988	129	3053183	114.260	ug/l	98
60) 1,2-Dibromoethane	11.104	107	2759309	107.470	ug/l	100
63) Tetrachloroethene	10.687	164	2666760	108.274	ug/l	99
64) Chlorobenzene	11.592	112	6699071	85.878	ug/l #	70
65) 1,1,1,2-Tetrachloroethane	11.678	131	3327223	127.037	ug/l	99
66) Ethyl Benzene	11.685	91	8996816	68.981	ug/l #	64
67) m/p-Xylenes	11.810	106	9007798	165.050	ug/l	83
68) o-Xylene	12.182	106	5714692	103.338	ug/l	71
69) Styrene	12.195	104	7338277	90.175	ug/l #	78
70) Bromoform	12.378	173	1547788	109.596	ug/l #	100
72) Isopropylbenzene	12.522	105	8303034	82.406	ug/l	76
73) N-amyl acetate	12.320	43	4025493	110.661	ug/l	96
74) 1,1,2,2-Tetrachloroethane	12.808	83	2807523	97.338	ug/l	98
75) 1,2,3-Trichloropropane	12.862	75	2178928m	104.296	ug/l	
76) Bromobenzene	12.833	156	2607396	118.224	ug/l	95
77) n-propylbenzene	12.910	91	8346678	77.270	ug/l	77
78) 2-Chlorotoluene	13.007	91	6268370	98.262	ug/l	90
79) 1,3,5-Trimethylbenzene	13.071	105	6553983	87.106	ug/l	89
80) trans-1,4-Dichloro-2-b...	12.577	75	982578	101.876	ug/l	98
81) 4-Chlorotoluene	13.116	91	5869924	100.425	ug/l	93
82) tert-Butylbenzene	13.366	119	6190587	88.005	ug/l	89
83) 1,2,4-Trimethylbenzene	13.414	105	6159599	89.780	ug/l	89
84) sec-Butylbenzene	13.568	105	6983113	77.179	ug/l	88
85) p-Isopropyltoluene	13.697	119	6003722	85.393	ug/l	87
86) 1,3-Dichlorobenzene	13.693	146	3507400	107.083	ug/l	96
87) 1,4-Dichlorobenzene	13.783	146	3194718	101.241	ug/l	97
88) n-Butylbenzene	14.062	91	5083507	101.194	ug/l	93
89) Hexachloroethane	14.367	117	1131832	99.249	ug/l	97
90) 1,2-Dichlorobenzene	14.111	146	3099017	112.664	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.804	75	397609	100.064	ug/l	98
92) 1,2,4-Trichlorobenzene	15.574	180	2211493	122.368	ug/l	98
93) Hexachlorobutadiene	15.696	225	746147	125.259	ug/l	100
94) Naphthalene	15.853	128	6226544	120.494	ug/l	96
95) 1,2,3-Trichlorobenzene	16.078	180	2125345	121.198	ug/l	99

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

