

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR100325\
 Data File : VR026775.D
 Acq On : 3 Oct 2025 15:49
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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

Quant Time: Oct 04 04:31:41 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	1249498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.753	114	2021583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.902	117	1932601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.106	152	1300992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	72093	4.800	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.600%	
35) Dibromofluoromethane	7.696	113	50334	4.523	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.040%	
50) Toluene-d8	10.410	98	201304	4.374	ug/l	0.00
Spiked Amount 50.000			Recovery	=	8.740%	
62) 4-Bromofluorobenzene	13.031	95	90220	4.463	ug/l	0.00
Spiked Amount 50.000			Recovery	=	8.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.979	85	51988	4.345	ug/l	96
3) Chloromethane	2.190	50	79955	4.918	ug/l	91
4) Vinyl Chloride	2.319	62	55411	4.822	ug/l	93
5) Bromomethane	2.660	94	18686	5.221	ug/l	98
6) Chloroethane	2.807	64	32777	5.154	ug/l	98
7) Trichlorofluoromethane	3.142	101	96605	4.931	ug/l	99
8) Diethyl Ether	3.553	74	44053	4.953	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.888	101	57467	4.810	ug/l	100
10) Methyl Iodide	4.082	142	53212	5.753	ug/l	99
11) Tert butyl alcohol	4.957	59	80505	22.075	ug/l	97
12) 1,1-Dichloroethene	3.871	96	60759	4.848	ug/l	91
13) Acrolein	3.741	56	99869	27.026	ug/l	99
14) Allyl chloride	4.452	41	122659	4.751	ug/l	97
15) Acrylonitrile	5.116	53	243746	24.722	ug/l	98
16) Acetone	3.959	43	258999	25.925	ug/l	97
17) Carbon Disulfide	4.182	76	121532	4.197	ug/l	98
18) Methyl Acetate	4.470	43	118097	4.912	ug/l	98
19) Methyl tert-butyl Ether	5.198	73	211025	4.892	ug/l	96
20) Methylene Chloride	4.675	84	72364	4.749	ug/l	94
21) trans-1,2-Dichloroethene	5.169	96	65771	4.850	ug/l	91
22) Diisopropyl ether	6.074	45	243467	4.966	ug/l	96
23) Vinyl Acetate	6.003	43	893841	27.107	ug/l #	93
24) 1,1-Dichloroethane	5.950	63	121631	4.940	ug/l	99
25) 2-Butanone	6.949	43	357053	25.075	ug/l	97
26) 2,2-Dichloropropane	6.932	77	80952	4.531	ug/l	100
27) cis-1,2-Dichloroethene	6.932	96	75893	4.853	ug/l	99
28) Bromochloromethane	7.296	49	59945	4.876	ug/l #	98
29) Tetrahydrofuran	7.337	42	222624	24.021	ug/l	97
30) Chloroform	7.478	83	114372	4.833	ug/l	94
31) Cyclohexane	7.778	56	139555	5.420	ug/l #	86
32) 1,1,1-Trichloroethane	7.684	97	92453	4.635	ug/l	96
36) 1,1-Dichloropropene	7.919	75	87404	4.875	ug/l	99
37) Ethyl Acetate	7.043	43	128851	4.927	ug/l	99
38) Carbon Tetrachloride	7.907	117	73121	4.647	ug/l	97
39) Methylcyclohexane	9.305	83	109428	4.766	ug/l	97
40) Benzene	8.177	78	272591	4.859	ug/l	97

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.267	41	64828	4.626	ug/l	93
42) 1,2-Dichloroethane	8.260	62	91144	4.945	ug/l	98
43) Isopropyl Acetate	8.307	43	171783	4.678	ug/l	99
44) Trichloroethene	9.023	130	66118	4.749	ug/l	83
45) 1,2-Dichloropropane	9.335	63	64512	4.888	ug/l	95
46) Dibromomethane	9.435	93	42106	4.788	ug/l	99
47) Bromodichloromethane	9.640	83	79433	4.720	ug/l	96
48) Methyl methacrylate	9.423	41	90163	4.755	ug/l	98
49) 1,4-Dioxane	9.429	88	42517	94.686	ug/l	97
51) 4-Methyl-2-Pentanone	10.287	43	631107	26.130	ug/l	88
52) Toluene	10.486	92	180439	4.935	ug/l	100
53) t-1,3-Dichloropropene	10.733	75	81223	4.288	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	90770	4.563	ug/l	92
55) 1,1,2-Trichloroethane	10.939	97	62614	4.843	ug/l	94
56) Ethyl methacrylate	10.786	69	106314	4.429	ug/l	95
57) 1,3-Dichloropropane	11.103	76	113535	4.847	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.963	63	44943	26.420	ug/l	100
59) 2-Hexanone	11.150	43	518702	24.887	ug/l	92
60) Dibromochloromethane	11.321	129	54761	4.388	ug/l	97
61) 1,2-Dibromoethane	11.444	107	64057	4.654	ug/l	97
64) Tetrachloroethene	11.027	164	60578	4.719	ug/l	96
65) Chlorobenzene	11.932	112	206058	4.819	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.014	131	56119	4.525	ug/l	94
67) Ethyl Benzene	12.020	91	357526	5.026	ug/l	93
68) m/p-Xylenes	12.143	106	288967	9.940	ug/l	88
69) o-Xylene	12.514	106	132952	4.685	ug/l	93
70) Styrene	12.531	104	244670	4.901	ug/l	98
71) Bromoform	12.719	173	38614	4.752	ug/l #	97
73) Isopropylbenzene	12.860	105	354532	5.039	ug/l	98
74) N-amyl acetate	12.643	43	178300	4.542	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.142	83	111000	4.763	ug/l	97
76) 1,2,3-Trichloropropane	13.195	75	96842m	4.485	ug/l	
77) Bromobenzene	13.177	156	95398	4.877	ug/l	95
78) n-propylbenzene	13.248	91	447944	5.164	ug/l	98
79) 2-Chlorotoluene	13.348	91	263783	4.878	ug/l	99
80) 1,3,5-Trimethylbenzene	13.407	105	319169	5.016	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.907	75	28043	3.727	ug/l #	73
82) 4-Chlorotoluene	13.459	91	294894	4.934	ug/l	100
83) tert-Butylbenzene	13.700	119	284829	5.021	ug/l	96
84) 1,2,4-Trimethylbenzene	13.753	105	340428	4.985	ug/l	99
85) sec-Butylbenzene	13.906	105	416661	5.052	ug/l	98
86) p-Isopropyltoluene	14.035	119	372989	4.982	ug/l	99
87) 1,3-Dichlorobenzene	14.041	146	214114	4.962	ug/l	98
88) 1,4-Dichlorobenzene	14.129	146	222627	4.904	ug/l	93
89) n-Butylbenzene	14.405	91	362291	4.945	ug/l	97
90) Hexachloroethane	14.717	117	41338	4.137	ug/l	97
91) 1,2-Dichlorobenzene	14.458	146	210104	4.880	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	15.169	75	26891	4.549	ug/l	98
93) 1,2,4-Trichlorobenzene	15.980	180	145116	4.656	ug/l	100
94) Hexachlorobutadiene	16.103	225	63675	4.732	ug/l	99
95) Naphthalene	16.286	128	389156	4.689	ug/l	99
96) 1,2,3-Trichlorobenzene	16.521	180	137128	4.549	ug/l	99

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

