

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
 Data File : VR026783.D
 Acq On : 22 Oct 2025 13:52
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC010

Quant Time: Oct 24 09:16:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R102225W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 09:15:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	830880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.789	114	1507855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.944	117	1428727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.147	152	921173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.195	65	65000	10.027	ug/l	0.00
Spiked Amount 50.000			Recovery	=	20.060%	
35) Dibromofluoromethane	7.749	113	65812	10.618	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.240%	
50) Toluene-d8	10.458	98	176244	10.193	ug/l	0.00
Spiked Amount 50.000			Recovery	=	20.380%	
62) 4-Bromofluorobenzene	13.072	95	110023	9.663	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.320%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.003	85	62241	10.009	ug/l	95
3) Chloromethane	2.220	50	78486	10.028	ug/l	90
4) Vinyl Chloride	2.338	62	94533	10.038	ug/l #	88
5) Bromomethane	2.719	94	69818	11.584	ug/l	99
6) Chloroethane	2.866	64	70035	10.352	ug/l	98
7) Trichlorofluoromethane	3.184	101	134789	10.524	ug/l	96
8) Diethyl Ether	3.595	74	62840	10.133	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.942	101	80138	9.928	ug/l	87
10) Methyl Iodide	4.124	142	78401	8.503	ug/l	94
11) Tert butyl alcohol	4.970	59	144960	45.545	ug/l #	83
12) 1,1-Dichloroethene	3.924	96	79074	9.824	ug/l	90
13) Acrolein	3.777	56	90496	43.025	ug/l	97
14) Allyl chloride	4.506	41	142800	8.481	ug/l #	82
15) Acrylonitrile	5.164	53	331154	47.096	ug/l	99
16) Acetone	3.994	43	388880	46.969	ug/l	95
17) Carbon Disulfide	4.229	76	146927	10.040	ug/l #	92
18) Methyl Acetate	4.506	43	233222	10.451	ug/l	100
19) Methyl tert-butyl Ether	5.246	73	337475	9.857	ug/l	93
20) Methylene Chloride	4.735	84	102734	10.188	ug/l	90
21) trans-1,2-Dichloroethene	5.240	96	86219	10.532	ug/l #	74
22) Diisopropyl ether	6.127	45	369904	10.277	ug/l	91
23) Vinyl Acetate	6.057	43	1182424	49.898	ug/l	98
24) 1,1-Dichloroethane	6.004	63	181157	9.891	ug/l #	95
25) 2-Butanone	6.991	43	511745	44.892	ug/l	90
26) 2,2-Dichloropropane	6.991	77	155305	9.926	ug/l	98
27) cis-1,2-Dichloroethene	6.985	96	109226	9.548	ug/l	96
28) Bromochloromethane	7.343	49	77533	9.369	ug/l	94
29) Tetrahydrofuran	7.379	42	314463	49.979	ug/l	97
30) Chloroform	7.526	83	171547	9.672	ug/l	92
31) Cyclohexane	7.825	56	158700	10.362	ug/l #	70
32) 1,1,1-Trichloroethane	7.737	97	145942	9.943	ug/l	98
36) 1,1-Dichloropropene	7.966	75	121915	10.240	ug/l	95
37) Ethyl Acetate	7.085	43	189170	10.846	ug/l #	94
38) Carbon Tetrachloride	7.943	117	116611	10.503	ug/l #	86
39) Methylcyclohexane	9.341	83	151785	10.138	ug/l	94
40) Benzene	8.225	78	411852	10.327	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	101137	9.837	ug/l	96
42) 1,2-Dichloroethane	8.301	62	134306	10.278	ug/l	99
43) Isopropyl Acetate	8.342	43	280257	9.595	ug/l	97
44) Trichloroethene	9.071	130	96992	10.190	ug/l	67
45) 1,2-Dichloropropane	9.371	63	100951	9.693	ug/l	95
46) Dibromomethane	9.470	93	68128	9.856	ug/l	96
47) Bromodichloromethane	9.682	83	136956	9.523	ug/l #	95
48) Methyl methacrylate	9.459	41	129056	9.403	ug/l	98
49) 1,4-Dioxane	9.470	88	58294	193.004	ug/l	99
51) 4-Methyl-2-Pentanone	10.328	43	957246	49.984	ug/l	97
52) Toluene	10.528	92	268535	9.995	ug/l	94
53) t-1,3-Dichloropropene	10.769	75	155234	9.460	ug/l	92
54) cis-1,3-Dichloropropene	10.164	75	163636	9.585	ug/l	98
55) 1,1,2-Trichloroethane	10.969	97	107882	9.939	ug/l	95
56) Ethyl methacrylate	10.822	69	196310	9.769	ug/l	94
57) 1,3-Dichloropropane	11.139	76	180073	9.891	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.999	63	22834	39.505	ug/l #	82
59) 2-Hexanone	11.186	43	780139	46.581	ug/l	100
60) Dibromochloromethane	11.362	129	103152	9.295	ug/l	97
61) 1,2-Dibromoethane	11.480	107	107529	9.959	ug/l	98
64) Tetrachloroethene	11.069	164	76813	10.237	ug/l	90
65) Chlorobenzene	11.973	112	325597	10.242	ug/l	94
66) 1,1,1,2-Tetrachloroethane	12.062	131	100867	10.289	ug/l	98
67) Ethyl Benzene	12.062	91	539180	10.134	ug/l	98
68) m/p-Xylenes	12.179	106	423128	20.264	ug/l	95
69) o-Xylene	12.561	106	203806	9.740	ug/l	96
70) Styrene	12.573	104	383218	10.011	ug/l	98
71) Bromoform	12.761	173	75461	9.324	ug/l #	99
73) Isopropylbenzene	12.902	105	537102	9.981	ug/l	100
74) N-amyl acetate	12.679	43	287969	9.599	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.178	83	179679	9.027	ug/l	99
76) 1,2,3-Trichloropropane	13.237	75	133230m	7.983	ug/l	
77) Bromobenzene	13.213	156	124907	9.507	ug/l	94
78) n-propylbenzene	13.290	91	685113	10.316	ug/l	99
79) 2-Chlorotoluene	13.384	91	383081	9.665	ug/l	95
80) 1,3,5-Trimethylbenzene	13.442	105	462548	9.792	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.949	75	63290	8.862	ug/l	97
82) 4-Chlorotoluene	13.501	91	404639	9.726	ug/l	97
83) tert-Butylbenzene	13.748	119	433491	9.673	ug/l	97
84) 1,2,4-Trimethylbenzene	13.795	105	498337	9.717	ug/l	99
85) sec-Butylbenzene	13.954	105	644743	9.986	ug/l	99
86) p-Isopropyltoluene	14.077	119	561211	10.019	ug/l	98
87) 1,3-Dichlorobenzene	14.077	146	296702	9.927	ug/l	97
88) 1,4-Dichlorobenzene	14.177	146	294920	9.507	ug/l	95
89) n-Butylbenzene	14.447	91	537516	9.807	ug/l	99
90) Hexachloroethane	14.764	117	84749	9.345	ug/l	100
91) 1,2-Dichlorobenzene	14.506	146	298252	9.735	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	15.223	75	39984	8.737	ug/l	95
93) 1,2,4-Trichlorobenzene	16.033	180	175466	9.035	ug/l	99
94) Hexachlorobutadiene	16.163	225	65825	9.537	ug/l	92
95) Naphthalene	16.339	128	558765	9.175	ug/l	99
96) 1,2,3-Trichlorobenzene	16.574	180	177624	9.285	ug/l	99

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

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