

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038973.D
 Acq On : 21 Aug 2025 09:05
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/22/2025
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 03:54:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 03:54:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	361688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	636070	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	596513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	251713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	81 - 118	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	80 - 119	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	89 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	85 - 114	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	6883	1.273	ug/l	96
3) Chloromethane	1.227	50	6352	1.137	ug/l	92
4) Vinyl Chloride	1.297	62	7123	1.209	ug/l	90
6) Chloroethane	1.564	64	2500m	0.834	ug/l	
7) Trichlorofluoromethane	1.725	101	9708	1.203	ug/l	94
8) Diethyl Ether	1.918	74	3244	1.307	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.079	101	5954	1.336	ug/l	99
12) 1,1-Dichloroethene	2.085	96	4880	1.189	ug/l	94
14) Allyl chloride	2.358	41	6298	1.149	ug/l	93
15) Acrylonitrile	2.699	53	11114m	5.319	ug/l	
16) Acetone	2.121	43	14090	6.917	ug/l	92
17) Carbon Disulfide	2.256	76	13201	1.156	ug/l #	94
18) Methyl Acetate	2.394	43	4416m	1.023	ug/l	
19) Methyl tert-butyl Ether	2.715	73	11785	0.971	ug/l	96
20) Methylene Chloride	2.458	84	5824	1.230	ug/l	96
21) trans-1,2-Dichloroethene	2.709	96	4171	0.976	ug/l #	82
22) Diisopropyl ether	3.217	45	12570m	1.045	ug/l	
23) Vinyl Acetate	3.220	43	44070m	4.574	ug/l	
24) 1,1-Dichloroethane	3.124	63	9355	1.174	ug/l	97
25) 2-Butanone	3.953	43	10293m	3.802	ug/l	
26) 2,2-Dichloropropane	3.815	77	8938	1.169	ug/l	90
27) cis-1,2-Dichloroethene	3.847	96	5246m	1.017	ug/l	
28) Bromochloromethane	4.175	49	3349m	1.445	ug/l	
29) Tetrahydrofuran	4.265	42	8270m	4.690	ug/l	
30) Chloroform	4.288	83	9932	1.064	ug/l	91
32) 1,1,1-Trichloroethane	4.513	97	10188	1.190	ug/l #	45
36) 1,1-Dichloropropene	4.757	75	6881m	1.111	ug/l	
37) Ethyl Acetate	3.953	43	5460m	0.857	ug/l	
38) Carbon Tetrachloride	4.744	117	9223	1.112	ug/l	99
39) Methylcyclohexane	6.043	83	7300	0.922	ug/l #	84
40) Benzene	5.024	78	17600	0.907	ug/l #	88
41) Methacrylonitrile	4.252	41	2032m	0.844	ug/l	
42) 1,2-Dichloroethane	5.066	62	7662m	1.080	ug/l	
43) Isopropyl Acetate	5.236	43	10108m	1.102	ug/l	
44) Trichloroethene	5.854	130	5651	1.074	ug/l	95
45) 1,2-Dichloropropane	6.114	63	4343	0.933	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	6.249	93	4509	1.155	ug/l	87
47) Bromodichloromethane	6.439	83	8726	1.098	ug/l	91
48) Methyl methacrylate	6.368	41	4351m	1.071	ug/l	
49) 1,4-Dioxane	6.333	88	1233m	17.377	ug/l	
51) 4-Methyl-2-Pentanone	7.159	43	20823	3.382	ug/l	91
52) Toluene	7.326	92	10062	0.819	ug/l	96
53) t-1,3-Dichloropropene	7.606	75	6854m	0.923	ug/l	
54) cis-1,3-Dichloropropene	6.966	75	6390	0.830	ug/l	92
55) 1,1,2-Trichloroethane	7.776	97	5138	0.959	ug/l	94
56) Ethyl methacrylate	7.741	69	3602	2.674	ug/l #	88
57) 1,3-Dichloropropane	7.950	76	7044	0.843	ug/l	94
58) 2-Chloroethyl Vinyl ether	6.844	63	9019	7.421	ug/l #	77
59) 2-Hexanone	8.088	43	13246	12.844	ug/l	89
60) Dibromochloromethane	8.175	129	6338	0.980	ug/l	99
61) 1,2-Dibromoethane	8.284	107	4673	0.841	ug/l	100
64) Tetrachloroethene	7.905	164	4279	0.964	ug/l	94
65) Chlorobenzene	8.808	112	15090	1.049	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.902	131	5184	1.004	ug/l #	60
67) Ethyl Benzene	8.947	91	19734	0.899	ug/l	91
68) m/p-Xylenes	9.072	106	13689	1.605	ug/l	93
69) o-Xylene	9.477	106	6311	0.812	ug/l	98
70) Styrene	9.506	104	10182m	0.764	ug/l	
71) Bromoform	9.667	173	4399m	1.032	ug/l	
73) Isopropylbenzene	9.860	105	16775	0.993	ug/l	99
74) N-amyl acetate	9.760	43	6220m	1.014	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.172	83	8787	1.310	ug/l	99
76) 1,2,3-Trichloropropane	10.207	75	4814	1.040	ug/l #	23
77) Bromobenzene	10.152	156	4365	1.006	ug/l	87
78) n-propylbenzene	10.284	91	18791	0.932	ug/l	99
79) 2-Chlorotoluene	10.358	91	10427	0.842	ug/l	97
80) 1,3,5-Trimethylbenzene	10.471	105	13747	0.967	ug/l	97
82) 4-Chlorotoluene	10.477	91	12887	0.923	ug/l	99
83) tert-Butylbenzene	10.792	119	14198	1.006	ug/l	95
84) 1,2,4-Trimethylbenzene	10.850	105	12782	0.940	ug/l	95
85) sec-Butylbenzene	11.014	105	18208	0.992	ug/l	95
86) p-Isopropyltoluene	11.168	119	14370	0.930	ug/l	91
87) 1,3-Dichlorobenzene	11.117	146	8733	1.019	ug/l	98
88) 1,4-Dichlorobenzene	11.197	146	10066m	1.101	ug/l	
89) n-Butylbenzene	11.590	91	14990	0.995	ug/l	91
90) Hexachloroethane	11.818	117	4168	1.167	ug/l	87
91) 1,2-Dichlorobenzene	11.580	146	8482	1.038	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.358	75	1443	1.106	ug/l	82
93) 1,2,4-Trichlorobenzene	13.197	180	4723	0.969	ug/l	95
94) Hexachlorobutadiene	13.374	225	2983	1.187	ug/l	92
95) Naphthalene	13.438	128	13876	0.902	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.676	180	4421	0.899	ug/l	92

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

