

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111025\
 Data File : VU063689.D
 Acq On : 10 Nov 2025 10:09
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Nov 11 01:19:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:18:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.345	168	196307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.222	114	332714	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	301736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.791	152	142651	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	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.374	85	1487	1.254	ug/l	90
3) Chloromethane	1.509	50	2185	1.328	ug/l	95
4) Vinyl Chloride	1.589	62	1722	1.181	ug/l #	80
6) Chloroethane	1.914	64	1315	1.192	ug/l	96
7) Trichlorofluoromethane	2.120	101	3547	1.271	ug/l	89
8) Diethyl Ether	2.357	74	1473	1.242	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.557	101	1990	1.123	ug/l	94
12) 1,1-Dichloroethene	2.560	96	1892	1.240	ug/l	96
14) Allyl chloride	2.901	41	3095	1.087	ug/l #	80
15) Acrylonitrile	3.303	53	6625	4.781	ug/l	96
16) Acetone	2.602	43	14216	4.405	ug/l	98
17) Carbon Disulfide	2.766	76	3139	1.504	ug/l #	81
18) Methyl Acetate	2.933	43	3679	2.265	ug/l #	85
19) Methyl tert-butyl Ether	3.338	73	7476	1.085	ug/l	98
20) Methylene Chloride	3.020	84	3174	1.156	ug/l	88
21) trans-1,2-Dichloroethene	3.325	96	1753	1.119	ug/l	97
22) Diisopropyl ether	3.965	45	7336	1.170	ug/l #	12
23) Vinyl Acetate	3.952	43	21067	4.927	ug/l	96
24) 1,1-Dichloroethane	3.833	63	4075	1.127	ug/l #	90
25) 2-Butanone	4.708	43	10013	5.015	ug/l	90
26) 2,2-Dichloropropane	4.637	77	3624	1.167	ug/l	96
27) cis-1,2-Dichloroethene	4.653	96	2621	1.145	ug/l	83
28) Bromochloromethane	4.952	49	1051m	0.726	ug/l	
29) Tetrahydrofuran	5.039	42	5937	5.110	ug/l	96
30) Chloroform	5.058	83	4325	1.092	ug/l	86
32) 1,1,1-Trichloroethane	5.283	97	3459	1.064	ug/l #	52
36) 1,1-Dichloropropene	5.502	75	2848	1.201	ug/l	89
37) Ethyl Acetate	4.811	43	2409m	0.714	ug/l	
38) Carbon Tetrachloride	5.496	117	2997	1.169	ug/l	95
39) Methylcyclohexane	6.740	83	3055	1.134	ug/l	97
40) Benzene	5.746	78	8911	1.164	ug/l	91
41) Methacrylonitrile	4.984	41	1673m	0.958	ug/l	
42) 1,2-Dichloroethane	5.775	62	3084	1.022	ug/l	91
43) Isopropyl Acetate	5.901	43	5105	1.037	ug/l #	79
44) Trichloroethene	6.518	130	2835	1.320	ug/l	98
45) 1,2-Dichloropropane	6.772	63	2205	1.060	ug/l	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	6.901	93	1673	1.071	ug/l	98
47) Bromodichloromethane	7.084	83	3493	1.103	ug/l	92
48) Methyl methacrylate	6.955	41	2594	1.074	ug/l #	58
49) 1,4-Dioxane	6.959	88	1163	18.168	ug/l #	75
51) 4-Methyl-2-Pentanone	7.772	43	19362	5.140	ug/l	98
52) Toluene	7.949	92	5331	1.073	ug/l	98
53) t-1,3-Dichloropropene	8.193	75	2703	1.013	ug/l	95
54) cis-1,3-Dichloropropene	7.592	75	3059	1.023	ug/l	96
55) 1,1,2-Trichloroethane	8.377	97	2596	1.139	ug/l #	79
56) Ethyl methacrylate	8.319	69	3244	0.965	ug/l #	82
57) 1,3-Dichloropropane	8.553	76	4058	1.091	ug/l	97
59) 2-Hexanone	8.676	43	13276	4.732	ug/l	96
60) Dibromochloromethane	8.785	129	2377	0.996	ug/l	90
61) 1,2-Dibromoethane	8.901	107	2246	1.023	ug/l	96
64) Tetrachloroethene	8.531	164	2274	1.168	ug/l	96
65) Chlorobenzene	9.428	112	6933	1.176	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.512	131	2156	1.075	ug/l #	62
67) Ethyl Benzene	9.550	91	11028	1.123	ug/l	93
68) m/p-Xylenes	9.672	106	7733	2.133	ug/l	96
69) o-Xylene	10.077	106	4161	1.112	ug/l	97
70) Styrene	10.097	104	5823	0.969	ug/l	98
71) Bromoform	10.270	173	1591	0.985	ug/l #	93
73) Isopropylbenzene	10.463	105	10397	1.160	ug/l	98
74) N-amyl acetate	10.312	43	2978m	0.954	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.762	83	4195	1.219	ug/l	91
76) 1,2,3-Trichloropropane	10.801	75	4450m	1.265	ug/l	
77) Bromobenzene	10.759	156	2702	1.198	ug/l	75
78) n-propylbenzene	10.884	91	11958	1.163	ug/l	97
79) 2-Chlorotoluene	10.968	91	8398	1.264	ug/l	96
80) 1,3,5-Trimethylbenzene	11.068	105	8277	1.101	ug/l	98
82) 4-Chlorotoluene	11.084	91	9215	1.220	ug/l	92
83) tert-Butylbenzene	11.396	119	9131	1.167	ug/l	96
84) 1,2,4-Trimethylbenzene	11.447	105	8172	1.108	ug/l	95
85) sec-Butylbenzene	11.618	105	10931	1.105	ug/l	99
86) p-Isopropyltoluene	11.772	119	8076	1.017	ug/l	83
87) 1,3-Dichlorobenzene	11.727	146	4647	1.097	ug/l	87
88) 1,4-Dichlorobenzene	11.817	146	5542m	1.250	ug/l	
89) n-Butylbenzene	12.190	91	8238	1.130	ug/l	97
90) Hexachloroethane	12.450	117	1175	0.970	ug/l	85
91) 1,2-Dichlorobenzene	12.193	146	4774	1.129	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.974	75	673	0.954	ug/l	88
93) 1,2,4-Trichlorobenzene	13.820	180	3378	1.253	ug/l	96
94) Hexachlorobutadiene	13.997	225	1609	1.184	ug/l	87
95) Naphthalene	14.071	128	7402	1.013	ug/l	96
96) 1,2,3-Trichlorobenzene	14.309	180	2835	1.131	ug/l	95

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

