

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092625\
 Data File : VU063650.D
 Acq On : 25 Sep 2025 18:45
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 26 06:41:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 06:28:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.357	168	154711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.235	114	257550	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	250840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.801	152	143647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.685	65	149300	97.455	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 194.920%#	
35) Dibromofluoromethane	5.274	113	128918	92.431	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 184.860%#	
50) Toluene-d8	7.888	98	401683	88.989	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 177.980%#	
62) 4-Bromofluorobenzene	10.624	95	195566	96.614	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 193.220%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	140056	97.243	ug/l	99
3) Chloromethane	1.515	50	166113	87.957	ug/l	97
4) Vinyl Chloride	1.596	62	198763	92.408	ug/l	99
5) Bromomethane	1.817	94	151852	96.522	ug/l	98
6) Chloroethane	1.901	64	131579	90.089	ug/l	97
7) Trichlorofluoromethane	2.113	101	287911	91.053	ug/l	99
8) Diethyl Ether	2.364	74	111125	89.665	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.560	101	150655	87.402	ug/l	99
10) Methyl Iodide	2.702	142	224860	105.230	ug/l	99
11) Tert butyl alcohol	3.181	59	229472	499.521	ug/l	100
12) 1,1-Dichloroethene	2.557	96	148442	87.106	ug/l	97
13) Acrolein	2.473	56	35142	450.747	ug/l	94
14) Allyl chloride	2.904	41	242946	96.194	ug/l	98
15) Acrylonitrile	3.296	53	597418	495.491	ug/l	100
16) Acetone	2.615	43	514238	494.361	ug/l	97
17) Carbon Disulfide	2.772	76	363478	104.342	ug/l	100
18) Methyl Acetate	2.936	43	279472	98.895	ug/l	99
19) Methyl tert-butyl Ether	3.351	73	500449	95.167	ug/l	100
20) Methylene Chloride	3.026	84	176931	97.589	ug/l	98
21) trans-1,2-Dichloroethene	3.332	96	162438	96.965	ug/l	97
22) Diisopropyl ether	3.978	45	504788	97.129	ug/l	90
23) Vinyl Acetate	3.936	43	2135069	563.031	ug/l	99
24) 1,1-Dichloroethane	3.846	63	306821	94.050	ug/l	98
25) 2-Butanone	4.685	43	792861	519.968	ug/l	99
26) 2,2-Dichloropropane	4.644	77	206519	99.004	ug/l	100
27) cis-1,2-Dichloroethene	4.647	96	193955	92.944	ug/l	99
28) Bromochloromethane	4.952	49	148384	105.041	ug/l	99
29) Tetrahydrofuran	5.033	42	522697	499.169	ug/l	100
30) Chloroform	5.068	83	326171	93.581	ug/l	99
31) Cyclohexane	5.370	56	269993	91.281	ug/l	100
32) 1,1,1-Trichloroethane	5.296	97	267951	98.142	ug/l	98
36) 1,1-Dichloropropene	5.509	75	220481	100.787	ug/l	98
37) Ethyl Acetate	4.792	43	280505	93.811	ug/l	97
38) Carbon Tetrachloride	5.505	117	214959	104.142	ug/l	99
39) Methylcyclohexane	6.746	83	282787	102.810	ug/l	99
40) Benzene	5.756	78	697347	98.214	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.956	41	143402	111.000	ug/l	98
42) 1,2-Dichloroethane	5.775	62	250926	96.708	ug/l	100
43) Isopropyl Acetate	5.898	43	389613	105.035	ug/l	98
44) Trichloroethene	6.528	130	181074	98.283	ug/l	98
45) 1,2-Dichloropropane	6.775	63	177509	99.478	ug/l	99
46) Dibromomethane	6.904	93	136682	98.718	ug/l	97
47) Bromodichloromethane	7.091	83	240295	105.907	ug/l	99
48) Methyl methacrylate	6.949	41	200237	100.944	ug/l	99
49) 1,4-Dioxane	6.949	88	119261	2282.625	ug/l	98
51) 4-Methyl-2-Pentanone	7.779	43	1543653	526.834	ug/l	100
52) Toluene	7.959	92	445080	103.202	ug/l	99
53) t-1,3-Dichloropropene	8.197	75	207590	114.730	ug/l	99
54) cis-1,3-Dichloropropene	7.595	75	248654	115.851	ug/l	99
55) 1,1,2-Trichloroethane	8.386	97	175947	99.130	ug/l	99
56) Ethyl methacrylate	8.322	69	283482	99.979	ug/l	98
57) 1,3-Dichloropropane	8.563	76	300237	100.187	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.454	63	43537	498.087	ug/l	100
59) 2-Hexanone	8.672	43	1173793	546.248	ug/l	100
60) Dibromochloromethane	8.798	129	185033	114.419	ug/l	100
61) 1,2-Dibromoethane	8.910	107	189220	106.014	ug/l	99
64) Tetrachloroethene	8.541	164	180330	97.412	ug/l	96
65) Chlorobenzene	9.438	112	511040	99.165	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.521	131	160376	107.864	ug/l	98
67) Ethyl Benzene	9.560	91	871826	100.766	ug/l	99
68) m/p-Xylenes	9.682	106	684766	212.032	ug/l	98
69) o-Xylene	10.090	106	331569	106.036	ug/l	97
70) Styrene	10.103	104	548612	108.171	ug/l	100
71) Bromoform	10.280	173	130885	95.260	ug/l #	100
73) Isopropylbenzene	10.473	105	856966	93.929	ug/l	99
74) N-amyl acetate	10.312	43	343773	108.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.772	83	311670	92.492	ug/l	98
76) 1,2,3-Trichloropropane	10.811	75	318985	91.743	ug/l #	100
77) Bromobenzene	10.772	156	217131	93.415	ug/l	98
78) n-propylbenzene	10.897	91	1028263	95.408	ug/l	98
79) 2-Chlorotoluene	10.975	91	624126	90.980	ug/l	99
80) 1,3,5-Trimethylbenzene	11.077	105	755081	97.998	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.537	75	59043	107.558	ug/l	94
82) 4-Chlorotoluene	11.087	91	727710	96.579	ug/l	99
83) tert-Butylbenzene	11.409	119	723185	97.578	ug/l	97
84) 1,2,4-Trimethylbenzene	11.457	105	746146	98.355	ug/l	99
85) sec-Butylbenzene	11.634	105	936763	96.818	ug/l	99
86) p-Isopropyltoluene	11.785	119	799848	100.576	ug/l	99
87) 1,3-Dichlorobenzene	11.737	146	415425	95.978	ug/l	100
88) 1,4-Dichlorobenzene	11.827	146	420822	92.659	ug/l	99
89) n-Butylbenzene	12.200	91	727542	102.647	ug/l	99
90) Hexachloroethane	12.467	117	105283	92.442	ug/l	96
91) 1,2-Dichlorobenzene	12.203	146	403910	95.496	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.987	75	68653	109.889	ug/l	93
93) 1,2,4-Trichlorobenzene	13.830	180	263773	108.887	ug/l	98
94) Hexachlorobutadiene	14.013	225	116683	95.640	ug/l	97
95) Naphthalene	14.077	128	814646	98.911	ug/l	100
96) 1,2,3-Trichlorobenzene	14.319	180	259228	106.719	ug/l	100

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

