

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111025\
 Data File : VU063694.D
 Acq On : 10 Nov 2025 14:30
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 11 01:24:59 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	5.341	168	196020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	328099	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	314402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.785	152	177775	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.666	65	421861	145.686	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 291.380%#	
35) Dibromofluoromethane	5.255	113	338152	147.150	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 294.300%#	
50) Toluene-d8	7.872	98	1192362	144.430	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 288.860%#	
62) 4-Bromofluorobenzene	10.608	95	518344	151.781	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 303.560%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.371	85	164301	138.791	ug/l	96
3) Chloromethane	1.506	50	174511	152.005	ug/l	100
4) Vinyl Chloride	1.589	62	202293	138.935	ug/l	99
5) Bromomethane	1.811	94	126769	150.570	ug/l	98
6) Chloroethane	1.898	64	152584	138.571	ug/l	99
7) Trichlorofluoromethane	2.107	101	396398	142.284	ug/l	98
8) Diethyl Ether	2.354	74	167802	141.672	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.551	101	252885	142.861	ug/l	99
10) Methyl Iodide	2.689	142	304495	149.105	ug/l	100
11) Tert butyl alcohol	3.165	59	485177	718.141	ug/l	100
12) 1,1-Dichloroethene	2.547	96	215320	141.269	ug/l	99
13) Acrolein	2.461	56	31163	761.302	ug/l	86
14) Allyl chloride	2.891	41	416846	146.640	ug/l	99
15) Acrylonitrile	3.280	53	1090263	787.981	ug/l	99
16) Acetone	2.602	43	1183396	753.129	ug/l	100
17) Carbon Disulfide	2.760	76	294504	151.878	ug/l	98
18) Methyl Acetate	2.920	43	789274	151.939	ug/l	100
19) Methyl tert-butyl Ether	3.332	73	1050582	152.760	ug/l	99
20) Methylene Chloride	3.010	84	280341	151.230	ug/l	98
21) trans-1,2-Dichloroethene	3.319	96	221458	141.521	ug/l	96
22) Diisopropyl ether	3.959	45	892989	142.630	ug/l	88
23) Vinyl Acetate	3.917	43	3408811	798.355	ug/l	98
24) 1,1-Dichloroethane	3.830	63	524147	145.156	ug/l	99
25) 2-Butanone	4.666	43	1561103	782.993	ug/l	99
26) 2,2-Dichloropropane	4.624	77	467260	150.666	ug/l	99
27) cis-1,2-Dichloroethene	4.631	96	332244	145.324	ug/l	99
28) Bromochloromethane	4.936	49	247639	171.394	ug/l	98
29) Tetrahydrofuran	5.017	42	893089	769.814	ug/l	99
30) Chloroform	5.052	83	581303	146.943	ug/l	100
31) Cyclohexane	5.351	56	340376	151.341	ug/l	99
32) 1,1,1-Trichloroethane	5.280	97	485923	149.688	ug/l	98
36) 1,1-Dichloropropene	5.493	75	321007	137.246	ug/l	98
37) Ethyl Acetate	4.772	43	508796	153.005	ug/l	99
38) Carbon Tetrachloride	5.489	117	383153	151.568	ug/l	100
39) Methylcyclohexane	6.734	83	383425	144.390	ug/l	97
40) Benzene	5.740	78	1065743	141.202	ug/l	99

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41) Methacrylonitrile	4.936	41	276084	160.398	ug/l	97
42) 1,2-Dichloroethane	5.763	62	437857	147.089	ug/l	99
43) Isopropyl Acetate	5.882	43	766084	157.816	ug/l	99
44) Trichloroethene	6.512	130	285462	134.807	ug/l	99
45) 1,2-Dichloropropane	6.759	63	303368	147.857	ug/l	100
46) Dibromomethane	6.888	93	229622	149.045	ug/l	98
47) Bromodichloromethane	7.074	83	477116	152.754	ug/l	98
48) Methyl methacrylate	6.933	41	374385	157.122	ug/l	99
49) 1,4-Dioxane	6.936	88	194335	3078.460	ug/l	97
51) 4-Methyl-2-Pentanone	7.763	43	2889097	777.756	ug/l	99
52) Toluene	7.943	92	713088	145.580	ug/l	99
53) t-1,3-Dichloropropene	8.184	75	440378	167.430	ug/l	98
54) cis-1,3-Dichloropropene	7.579	75	481433	163.310	ug/l	98
55) 1,1,2-Trichloroethane	8.373	97	331116	147.306	ug/l	99
56) Ethyl methacrylate	8.309	69	557828	168.188	ug/l	98
57) 1,3-Dichloropropane	8.547	76	550546	150.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.438	63	42326	1061.283	ug/l	91
59) 2-Hexanone	8.660	43	2255789	815.328	ug/l	100
60) Dibromochloromethane	8.782	129	390733	165.964	ug/l	99
61) 1,2-Dibromoethane	8.898	107	328102	151.480	ug/l	98
64) Tetrachloroethene	8.528	164	276206	136.169	ug/l	99
65) Chlorobenzene	9.422	112	880600	143.343	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.508	131	315733	151.104	ug/l	99
67) Ethyl Benzene	9.544	91	1501679	146.755	ug/l	99
68) m/p-Xylenes	9.669	106	1138813	301.515	ug/l	100
69) o-Xylene	10.074	106	577852	148.266	ug/l	98
70) Styrene	10.090	104	1000375	159.798	ug/l	99
71) Bromoform	10.264	173	293336	174.335	ug/l #	99
73) Isopropylbenzene	10.460	105	1578601	141.338	ug/l	100
74) N-amyl acetate	10.296	43	655380	168.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.756	83	603930	140.807	ug/l	99
76) 1,2,3-Trichloropropane	10.798	75	649060	148.039	ug/l #	100
77) Bromobenzene	10.756	156	393335	139.972	ug/l	99
78) n-propylbenzene	10.881	91	1855568	144.825	ug/l	99
79) 2-Chlorotoluene	10.962	91	1144200	138.160	ug/l	100
80) 1,3,5-Trimethylbenzene	11.065	105	1376609	146.993	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.521	75	141904	168.744	ug/l	96
82) 4-Chlorotoluene	11.071	91	1345938	143.019	ug/l	99
83) tert-Butylbenzene	11.396	119	1405730	144.104	ug/l	99
84) 1,2,4-Trimethylbenzene	11.441	105	1380364	150.196	ug/l	99
85) sec-Butylbenzene	11.618	105	1796972	145.825	ug/l	100
86) p-Isopropyltoluene	11.769	119	1518740	153.528	ug/l	99
87) 1,3-Dichlorobenzene	11.721	146	775880	146.961	ug/l	99
88) 1,4-Dichlorobenzene	11.811	146	775026	140.314	ug/l	99
89) n-Butylbenzene	12.184	91	1410838	155.294	ug/l	100
90) Hexachloroethane	12.450	117	252961	167.621	ug/l	99
91) 1,2-Dichlorobenzene	12.187	146	772867	146.621	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.968	75	151924	172.867	ug/l	98
93) 1,2,4-Trichlorobenzene	13.814	180	528623	157.304	ug/l	100
94) Hexachlorobutadiene	13.994	225	247719	146.297	ug/l	100
95) Naphthalene	14.058	128	1605308	176.338	ug/l	99
96) 1,2,3-Trichlorobenzene	14.302	180	505783	161.885	ug/l	99

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

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