

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063711.D
 Acq On : 12 Nov 2025 11:03
 Operator : MD/SY
 Sample : VU1112WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Quant Time: Nov 14 04:41:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:41:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.341	168	199175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	330192	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	311113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	166392	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.669	65	136569	46.416	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.840%
35) Dibromofluoromethane	5.258	113	109370	47.292	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.580%
50) Toluene-d8	7.872	98	384230	46.246	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.500%
62) 4-Bromofluorobenzene	10.608	95	162692	47.337	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.680%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.374	85	21042	17.493	ug/l	97
3) Chloromethane	1.509	50	21892	18.259	ug/l	98
4) Vinyl Chloride	1.589	62	26227	17.727	ug/l	99
5) Bromomethane	1.837	94	20933	20.872	ug/l	95
6) Chloroethane	1.914	64	20261	18.109	ug/l	96
7) Trichlorofluoromethane	2.116	101	52098	18.404	ug/l	95
8) Diethyl Ether	2.354	74	22060	18.330	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.557	101	33363	18.549	ug/l	99
10) Methyl Iodide	2.695	142	33763	18.915	ug/l	99
11) Tert butyl alcohol	3.152	59	52922	77.092	ug/l	100
12) 1,1-Dichloroethene	2.554	96	27111	17.506	ug/l	98
13) Acrolein	2.464	56	4659	92.786	ug/l	98
14) Allyl chloride	2.898	41	51699	17.899	ug/l	99
15) Acrylonitrile	3.284	53	129133	91.852	ug/l	98
16) Acetone	2.602	43	152365	91.340	ug/l	99
17) Carbon Disulfide	2.766	76	33624	16.965	ug/l	98
18) Methyl Acetate	2.924	43	94386	19.263	ug/l	98
19) Methyl tert-butyl Ether	3.335	73	129618	18.549	ug/l	100
20) Methylene Chloride	3.017	84	37939	19.656	ug/l	98
21) trans-1,2-Dichloroethene	3.325	96	28878	18.162	ug/l	98
22) Diisopropyl ether	3.959	45	117802	18.518	ug/l #	81
23) Vinyl Acetate	3.927	43	364430	83.999	ug/l	100
24) 1,1-Dichloroethane	3.837	63	69890	19.049	ug/l	99
25) 2-Butanone	4.673	43	173761	85.772	ug/l	99
26) 2,2-Dichloropropane	4.631	77	54785	17.385	ug/l	100
27) cis-1,2-Dichloroethene	4.637	96	43863	18.882	ug/l	98
28) Bromochloromethane	4.940	49	31640	21.549	ug/l	98
29) Tetrahydrofuran	5.020	42	104409	88.572	ug/l	100
30) Chloroform	5.055	83	78047	19.416	ug/l	98
31) Cyclohexane	5.354	56	46411	18.734	ug/l #	96
32) 1,1,1-Trichloroethane	5.284	97	60776	18.425	ug/l	99
36) 1,1-Dichloropropene	5.496	75	41261	17.529	ug/l	99
37) Ethyl Acetate	4.782	43	58756	17.629	ug/l	97
38) Carbon Tetrachloride	5.496	117	42501	16.706	ug/l	97
39) Methylcyclohexane	6.734	83	47468	17.762	ug/l	98
40) Benzene	5.743	78	137275	18.072	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	29769	17.185	ug/l	99
42) 1,2-Dichloroethane	5.766	62	58338	19.473	ug/l	100
43) Isopropyl Acetate	5.885	43	84552	17.308	ug/l	98
44) Trichloroethene	6.515	130	39587	18.576	ug/l	100
45) 1,2-Dichloropropane	6.763	63	38204	18.502	ug/l	99
46) Dibromomethane	6.891	93	29549	19.058	ug/l	96
47) Bromodichloromethane	7.078	83	57658	18.343	ug/l	98
48) Methyl methacrylate	6.936	41	42617	17.772	ug/l	99
49) 1,4-Dioxane	6.939	88	21639	340.610	ug/l	94
51) 4-Methyl-2-Pentanone	7.763	43	330307	88.356	ug/l	99
52) Toluene	7.943	92	93525	18.972	ug/l	99
53) t-1,3-Dichloropropene	8.187	75	44418	16.781	ug/l	98
54) cis-1,3-Dichloropropene	7.583	75	51355	17.310	ug/l	98
55) 1,1,2-Trichloroethane	8.373	97	43059	19.035	ug/l	98
56) Ethyl methacrylate	8.309	69	60593	18.153	ug/l	98
57) 1,3-Dichloropropane	8.547	76	68374	18.527	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.447	63	2680	66.772	ug/l #	90
59) 2-Hexanone	8.660	43	244248	87.721	ug/l	97
60) Dibromochloromethane	8.785	129	41612	17.563	ug/l	99
61) 1,2-Dibromoethane	8.898	107	41240	18.919	ug/l	97
64) Tetrachloroethene	8.528	164	38672	19.267	ug/l	96
65) Chlorobenzene	9.422	112	114302	18.803	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.508	131	37317	18.048	ug/l	97
67) Ethyl Benzene	9.547	91	189000	18.666	ug/l	100
68) m/p-Xylenes	9.669	106	138368	37.022	ug/l	97
69) o-Xylene	10.074	106	69745	18.084	ug/l	94
70) Styrene	10.090	104	117814	19.018	ug/l	99
71) Bromoform	10.267	173	28190	16.931	ug/l #	98
73) Isopropylbenzene	10.460	105	194474	18.603	ug/l	100
74) N-amyl acetate	10.303	43	56661	15.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.756	83	71646	17.847	ug/l	99
76) 1,2,3-Trichloropropane	10.798	75	72930	17.393	ug/l #	100
77) Bromobenzene	10.759	156	49486	18.815	ug/l	97
78) n-propylbenzene	10.881	91	220069	18.351	ug/l	100
79) 2-Chlorotoluene	10.962	91	141940	18.311	ug/l	99
80) 1,3,5-Trimethylbenzene	11.065	105	162353	18.522	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.521	75	12366	15.711	ug/l	88
82) 4-Chlorotoluene	11.071	91	159940	18.158	ug/l	98
83) tert-Butylbenzene	11.396	119	167920	18.391	ug/l	99
84) 1,2,4-Trimethylbenzene	11.444	105	156487	18.192	ug/l	99
85) sec-Butylbenzene	11.618	105	210778	18.275	ug/l	100
86) p-Isopropyltoluene	11.769	119	169188	18.273	ug/l	100
87) 1,3-Dichlorobenzene	11.721	146	92278	18.674	ug/l	99
88) 1,4-Dichlorobenzene	11.811	146	96241	18.616	ug/l	98
89) n-Butylbenzene	12.184	91	146275	17.202	ug/l	99
90) Hexachloroethane	12.451	117	23083	16.342	ug/l	99
91) 1,2-Dichlorobenzene	12.190	146	93656	18.983	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.968	75	13633	16.574	ug/l	97
93) 1,2,4-Trichlorobenzene	13.814	180	52279	16.621	ug/l	100
94) Hexachlorobutadiene	13.994	225	28893	18.231	ug/l	99
95) Naphthalene	14.061	128	133173	15.629	ug/l	99
96) 1,2,3-Trichlorobenzene	14.303	180	50159	17.153	ug/l	97

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

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