

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063712.D
 Acq On : 12 Nov 2025 11:27
 Operator : MD/SY
 Sample : VU1112WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

Quant Time: Nov 14 04:42:30 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	190538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	319494	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	303634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.785	152	161538	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.669	65	132917	47.223	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.440%
35) Dibromofluoromethane	5.258	113	106408	47.552	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.100%
50) Toluene-d8	7.872	98	368300	45.813	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.620%#
62) 4-Bromofluorobenzene	10.608	95	157452	47.347	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.700%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.374	85	19014	16.524	ug/l	95
3) Chloromethane	1.509	50	20658	18.002	ug/l	99
4) Vinyl Chloride	1.589	62	25129	17.755	ug/l	98
5) Bromomethane	1.837	94	20149	21.028	ug/l	96
6) Chloroethane	1.914	64	20422	19.080	ug/l	95
7) Trichlorofluoromethane	2.116	101	50951	18.815	ug/l	99
8) Diethyl Ether	2.354	74	21756	18.897	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.557	101	31797	18.480	ug/l	99
10) Methyl Iodide	2.695	142	34203	19.855	ug/l	99
11) Tert butyl alcohol	3.152	59	55650	84.741	ug/l	98
12) 1,1-Dichloroethene	2.554	96	27645	18.659	ug/l	98
13) Acrolein	2.467	56	4674	98.402	ug/l	94
14) Allyl chloride	2.895	41	49685	17.981	ug/l	98
15) Acrylonitrile	3.284	53	130341	96.913	ug/l	99
16) Acetone	2.602	43	152406	95.719	ug/l	100
17) Carbon Disulfide	2.766	76	33833	17.850	ug/l	98
18) Methyl Acetate	2.927	43	96372	20.454	ug/l	98
19) Methyl tert-butyl Ether	3.335	73	127476	19.069	ug/l	98
20) Methylene Chloride	3.017	84	39069	21.202	ug/l	96
21) trans-1,2-Dichloroethene	3.325	96	28010	18.415	ug/l	96
22) Diisopropyl ether	3.959	45	115333	18.951	ug/l #	84
23) Vinyl Acetate	3.927	43	358612	86.405	ug/l	99
24) 1,1-Dichloroethane	3.837	63	68157	19.418	ug/l	99
25) 2-Butanone	4.669	43	175647	90.633	ug/l	99
26) 2,2-Dichloropropane	4.628	77	53434	17.725	ug/l	100
27) cis-1,2-Dichloroethene	4.637	96	42188	18.984	ug/l	100
28) Bromochloromethane	4.939	49	32271	22.975	ug/l	96
29) Tetrahydrofuran	5.020	42	107882	95.666	ug/l	99
30) Chloroform	5.055	83	76808	19.974	ug/l	97
31) Cyclohexane	5.354	56	45195	19.103	ug/l #	96
32) 1,1,1-Trichloroethane	5.284	97	59765	18.940	ug/l	99
36) 1,1-Dichloropropene	5.496	75	40638	17.843	ug/l	99
37) Ethyl Acetate	4.779	43	49886	15.468	ug/l	97
38) Carbon Tetrachloride	5.493	117	42648	17.325	ug/l	99
39) Methylcyclohexane	6.734	83	45786	17.706	ug/l	92
40) Benzene	5.743	78	136330	18.549	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	31287	18.667	ug/l	97
42) 1,2-Dichloroethane	5.763	62	58737	20.263	ug/l	97
43) Isopropyl Acetate	5.885	43	86053	18.205	ug/l	98
44) Trichloroethene	6.515	130	36850	17.871	ug/l	98
45) 1,2-Dichloropropane	6.763	63	38567	19.303	ug/l	99
46) Dibromomethane	6.891	93	30413	20.272	ug/l	99
47) Bromodichloromethane	7.074	83	56969	18.730	ug/l	94
48) Methyl methacrylate	6.936	41	41088	17.708	ug/l	95
49) 1,4-Dioxane	6.939	88	23711	385.722	ug/l	97
51) 4-Methyl-2-Pentanone	7.763	43	339801	93.940	ug/l	99
52) Toluene	7.943	92	91269	19.135	ug/l	100
53) t-1,3-Dichloropropene	8.187	75	44234	17.271	ug/l	99
54) cis-1,3-Dichloropropene	7.579	75	51649	17.992	ug/l	99
55) 1,1,2-Trichloroethane	8.370	97	42395	19.369	ug/l	98
56) Ethyl methacrylate	8.309	69	60720	18.801	ug/l	98
57) 1,3-Dichloropropane	8.547	76	68278	19.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.447	63	2591	66.717	ug/l	99
59) 2-Hexanone	8.660	43	253195	93.979	ug/l	99
60) Dibromochloromethane	8.782	129	41957	18.301	ug/l	99
61) 1,2-Dibromoethane	8.898	107	41431	19.643	ug/l	97
64) Tetrachloroethene	8.528	164	36712	18.741	ug/l	98
65) Chlorobenzene	9.422	112	112466	18.956	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.508	131	36053	17.866	ug/l	97
67) Ethyl Benzene	9.544	91	184822	18.703	ug/l	96
68) m/p-Xylenes	9.669	106	137448	37.682	ug/l	99
69) o-Xylene	10.074	106	68111	18.096	ug/l	95
70) Styrene	10.090	104	118302	19.568	ug/l	98
71) Bromoform	10.264	173	27781	17.096	ug/l #	97
73) Isopropylbenzene	10.457	105	190146	18.736	ug/l	99
74) N-amyl acetate	10.303	43	61822	17.484	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.756	83	73037	18.740	ug/l	100
76) 1,2,3-Trichloropropane	10.795	75	73859	18.144	ug/l #	100
77) Bromobenzene	10.756	156	49332	19.320	ug/l	97
78) n-propylbenzene	10.881	91	221108	18.992	ug/l	100
79) 2-Chlorotoluene	10.962	91	140132	18.621	ug/l	100
80) 1,3,5-Trimethylbenzene	11.061	105	160274	18.834	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.518	75	11811	15.457	ug/l #	82
82) 4-Chlorotoluene	11.071	91	159750	18.681	ug/l	99
83) tert-Butylbenzene	11.393	119	165930	18.719	ug/l	99
84) 1,2,4-Trimethylbenzene	11.444	105	156147	18.698	ug/l	98
85) sec-Butylbenzene	11.618	105	207947	18.571	ug/l	99
86) p-Isopropyltoluene	11.769	119	170502	18.968	ug/l	100
87) 1,3-Dichlorobenzene	11.721	146	94731	19.747	ug/l	100
88) 1,4-Dichlorobenzene	11.811	146	98240	19.573	ug/l	99
89) n-Butylbenzene	12.184	91	152149	18.431	ug/l	99
90) Hexachloroethane	12.447	117	22937	16.727	ug/l	98
91) 1,2-Dichlorobenzene	12.187	146	93224	19.463	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.968	75	13999	17.530	ug/l	98
93) 1,2,4-Trichlorobenzene	13.814	180	58224	19.067	ug/l	100
94) Hexachlorobutadiene	13.994	225	28178	18.314	ug/l	99
95) Naphthalene	14.058	128	168284	20.343	ug/l	100
96) 1,2,3-Trichlorobenzene	14.302	180	54789	19.299	ug/l	98

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

