

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111125\
 Data File : VU063702.D
 Acq On : 11 Nov 2025 12:58
 Operator : MD/SY
 Sample : VU1111WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1111WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 02:11:49 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	182829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	305774	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.389	117	288060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	154810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.669	65	135231	50.070	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.140%			
35) Dibromofluoromethane	5.258	113	106547	49.750	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.500%			
50) Toluene-d8	7.872	98	370421	48.145	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.280%			
62) 4-Bromofluorobenzene	10.608	95	158501	49.801	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.374	85	20027	18.138	ug/l	97
3) Chloromethane	1.509	50	20645	18.774	ug/l	99
4) Vinyl Chloride	1.589	62	25215	18.567	ug/l	98
5) Bromomethane	1.837	94	20025	21.933	ug/l	97
6) Chloroethane	1.914	64	18864	18.368	ug/l	98
7) Trichlorofluoromethane	2.120	101	49353	18.993	ug/l	95
8) Diethyl Ether	2.358	74	21797	19.731	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.557	101	30836	18.677	ug/l	98
10) Methyl Iodide	2.695	142	32911	19.902	ug/l	99
11) Tert butyl alcohol	3.152	59	51661	81.984	ug/l	100
12) 1,1-Dichloroethene	2.557	96	26635	18.736	ug/l	97
13) Acrolein	2.464	56	4050	86.674	ug/l	90
14) Allyl chloride	2.898	41	48953	18.463	ug/l	97
15) Acrylonitrile	3.287	53	126605	98.105	ug/l	98
16) Acetone	2.602	43	148044	96.958	ug/l	99
17) Carbon Disulfide	2.769	76	33814	18.597	ug/l	99
18) Methyl Acetate	2.924	43	91178	20.190	ug/l	98
19) Methyl tert-butyl Ether	3.335	73	125060	19.496	ug/l	100
20) Methylene Chloride	3.017	84	37060	20.954	ug/l	97
21) trans-1,2-Dichloroethene	3.329	96	28240	19.349	ug/l	91
22) Diisopropyl ether	3.956	45	114829	19.664	ug/l #	71
23) Vinyl Acetate	3.927	43	347363	87.223	ug/l	99
24) 1,1-Dichloroethane	3.833	63	65016	19.304	ug/l	97
25) 2-Butanone	4.673	43	163693	88.026	ug/l	99
26) 2,2-Dichloropropane	4.631	77	52651	18.202	ug/l	98
27) cis-1,2-Dichloroethene	4.637	96	42333	19.852	ug/l	99
28) Bromochloromethane	4.939	49	34641	25.702	ug/l	98
29) Tetrahydrofuran	5.020	42	103271	95.439	ug/l	99
30) Chloroform	5.055	83	74165	20.100	ug/l	96
31) Cyclohexane	5.354	56	45609	20.185	ug/l	95
32) 1,1,1-Trichloroethane	5.284	97	58953	19.471	ug/l	98
36) 1,1-Dichloropropene	5.499	75	39150	17.961	ug/l	97
37) Ethyl Acetate	4.779	43	51625	16.726	ug/l	98
38) Carbon Tetrachloride	5.493	117	40696	17.274	ug/l	96
39) Methylcyclohexane	6.734	83	45205	18.266	ug/l	96
40) Benzene	5.743	78	134681	19.147	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	29401	18.328	ug/l	97
42) 1,2-Dichloroethane	5.763	62	55244	19.913	ug/l	99
43) Isopropyl Acetate	5.885	43	84958	18.779	ug/l	99
44) Trichloroethene	6.515	130	36417	18.453	ug/l	97
45) 1,2-Dichloropropane	6.763	63	36729	19.208	ug/l	97
46) Dibromomethane	6.891	93	28202	19.642	ug/l	95
47) Bromodichloromethane	7.078	83	54000	18.551	ug/l	96
48) Methyl methacrylate	6.936	41	41403	18.645	ug/l	98
49) 1,4-Dioxane	6.939	88	21639	367.810	ug/l	99
51) 4-Methyl-2-Pentanone	7.763	43	330865	95.573	ug/l	100
52) Toluene	7.943	92	88196	19.320	ug/l	99
53) t-1,3-Dichloropropene	8.184	75	42664	17.405	ug/l	96
54) cis-1,3-Dichloropropene	7.582	75	48905	17.801	ug/l	98
55) 1,1,2-Trichloroethane	8.373	97	42125	20.109	ug/l	97
56) Ethyl methacrylate	8.309	69	58368	18.883	ug/l	98
57) 1,3-Dichloropropane	8.547	76	66465	19.448	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.451	63	1632m	43.909	ug/l	
59) 2-Hexanone	8.660	43	244957	95.001	ug/l	98
60) Dibromochloromethane	8.782	129	40517	18.466	ug/l	100
61) 1,2-Dibromoethane	8.898	107	41098	20.360	ug/l	100
64) Tetrachloroethene	8.528	164	35439	19.069	ug/l	98
65) Chlorobenzene	9.422	112	112495	19.986	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.508	131	36033	18.822	ug/l	98
67) Ethyl Benzene	9.544	91	180950	19.301	ug/l	99
68) m/p-Xylenes	9.669	106	133921	38.700	ug/l	99
69) o-Xylene	10.074	106	68477	19.177	ug/l	95
70) Styrene	10.090	104	114771	20.010	ug/l	98
71) Bromoform	10.264	173	27439	17.799	ug/l #	99
73) Isopropylbenzene	10.457	105	186771	19.203	ug/l	100
74) N-amyl acetate	10.303	43	60772	17.934	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.756	83	69471	18.600	ug/l	97
76) 1,2,3-Trichloropropane	10.795	75	71981	18.451	ug/l #	100
77) Bromobenzene	10.756	156	48321	19.746	ug/l	97
78) n-propylbenzene	10.881	91	214893	19.260	ug/l	100
79) 2-Chlorotoluene	10.962	91	135246	18.753	ug/l	99
80) 1,3,5-Trimethylbenzene	11.061	105	156178	19.150	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.521	75	11560	15.786	ug/l	86
82) 4-Chlorotoluene	11.071	91	155730	19.003	ug/l	99
83) tert-Butylbenzene	11.393	119	160585	18.904	ug/l	99
84) 1,2,4-Trimethylbenzene	11.441	105	150529	18.809	ug/l	99
85) sec-Butylbenzene	11.618	105	202965	18.914	ug/l	100
86) p-Isopropyltoluene	11.766	119	164276	19.070	ug/l	99
87) 1,3-Dichlorobenzene	11.721	146	90404	19.664	ug/l	99
88) 1,4-Dichlorobenzene	11.811	146	92263	19.182	ug/l	98
89) n-Butylbenzene	12.184	91	148233	18.737	ug/l	99
90) Hexachloroethane	12.447	117	22816	17.361	ug/l	94
91) 1,2-Dichlorobenzene	12.187	146	89354	19.466	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.968	75	13342	17.433	ug/l	98
93) 1,2,4-Trichlorobenzene	13.814	180	55727	19.043	ug/l	97
94) Hexachlorobutadiene	13.991	225	27192	18.441	ug/l	97
95) Naphthalene	14.058	128	159800	20.157	ug/l	99
96) 1,2,3-Trichlorobenzene	14.302	180	52368	19.248	ug/l	98

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

