

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026711.D
 Acq On : 5 Aug 2025 14:08
 Operator : SY/MD
 Sample : MDL05
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/06/2025
 Supervised By :Semsettin Yesilyurt 08/06/2025

Quant Time: Aug 06 01:24:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.289	168	409311	50.000	ug/l	-0.02
33) 1,4-Difluorobenzene	8.319	114	770899	50.000	ug/l	-0.01
62) Chlorobenzene-d5	11.527	117	593243	50.000	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.735	152	270189	50.000	ug/l	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.677	65	274851	53.055	ug/l	-0.02
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.100%			
34) Dibromofluoromethane	7.192	113	221972	46.554	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.100%			
49) Toluene-d8	10.026	98	911992	53.388	ug/l	-0.01
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.780%			
61) 4-Bromofluorobenzene	12.667	95	234849	48.336	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.660	85	6016m	2.017	ug/l	
3) Chloromethane	1.843	50	11773	2.655	ug/l #	78
4) Vinyl Chloride	1.955	62	13083	2.887	ug/l	98
5) Bromomethane	2.295	94	7214	3.267	ug/l	100
6) Chloroethane	2.421	64	9741	3.339	ug/l	91
7) Trichlorofluoromethane	2.709	101	25782	3.157	ug/l	97
8) Diethyl Ether	3.072	74	9835	2.714	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.370	101	10999m	2.496	ug/l	
10) Methyl Iodide	3.537	142	8761m	2.060	ug/l	
11) Tert butyl alcohol	4.304	59	10945m	13.503	ug/l	
12) 1,1-Dichloroethene	3.348	96	9017	2.071	ug/l #	90
13) Acrolein	3.236	56	8388	7.079	ug/l #	63
14) Allyl chloride	3.868	41	16205m	1.892	ug/l	
15) Acrylonitrile	4.468	53	41427m	12.876	ug/l	
16) Acetone	3.444	43	34948	14.373	ug/l #	84
17) Carbon Disulfide	3.640	76	8514m	1.321	ug/l	
18) Methyl Acetate	3.897	43	18881m	1.861	ug/l	
19) Methyl tert-butyl Ether	4.555	73	38421m	2.205	ug/l	
20) Methylene Chloride	4.076	84	15791m	2.737	ug/l	
21) trans-1,2-Dichloroethene	4.519	96	10179m	2.127	ug/l	
22) Diisopropyl ether	5.463	45	49208	2.451	ug/l #	80
23) Vinyl Acetate	5.382	43	150965	13.190	ug/l #	89
24) 1,1-Dichloroethane	5.325	63	28290m	2.783	ug/l	
25) 2-Butanone	6.377	43	42946	11.412	ug/l #	89
26) 2,2-Dichloropropane	6.335	77	11671m	1.661	ug/l	
27) cis-1,2-Dichloroethene	6.348	96	15575m	2.529	ug/l	
28) Bromochloromethane	6.743	49	10260	2.801	ug/l	97
29) Chloroform	6.945	83	21513m	2.443	ug/l	
30) Cyclohexane	7.279	56	25363m	3.090	ug/l	
31) 1,1,1-Trichloroethane	7.170	97	14596m	2.295	ug/l	
35) 1,1-Dichloropropene	7.426	75	12136	2.018	ug/l #	70
36) Ethyl Acetate	6.477	43	21028	2.920	ug/l #	77
37) Carbon Tetrachloride	7.391	117	9670m	1.974	ug/l	
38) Methylcyclohexane	8.877	83	14116	2.050	ug/l #	72
39) Benzene	7.696	78	49903	2.304	ug/l #	83
40) Methacrylonitrile	6.711	41	13123m	2.932	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.783	62	12861	2.334	ug/l	86
42) Isopropyl Acetate	7.863	43	25088	2.167	ug/l #	89
43) Trichloroethene	8.601	130	9378	2.251	ug/l	50
44) 1,2-Dichloropropane	8.922	63	11627m	2.268	ug/l	
45) Dibromomethane	9.012	93	7254m	2.545	ug/l	
46) Bromodichloromethane	9.240	83	10931	1.979	ug/l #	84
47) Methyl methacrylate	9.031	41	12156m	2.399	ug/l	
48) 1,4-Dioxane	9.025	88	4309m	52.785	ug/l	
50) 4-Methyl-2-Pentanone	9.913	43	75599	12.506	ug/l	98
51) Toluene	10.103	92	26290	2.377	ug/l	93
52) t-1,3-Dichloropropene	10.350	75	10653m	1.968	ug/l	
53) cis-1,3-Dichloropropene	9.743	75	11730m	1.806	ug/l	
54) 1,1,2-Trichloroethane	10.558	97	10565	2.616	ug/l #	90
55) Ethyl methacrylate	10.430	69	15444	2.316	ug/l	96
56) 1,3-Dichloropropane	10.732	76	17243m	2.507	ug/l	
57) 2-Chloroethyl Vinyl ether	9.576	63	7079m	19.208	ug/l	
58) 2-Hexanone	10.796	43	48425	11.883	ug/l	99
59) Dibromochloromethane	10.953	129	6603	1.932	ug/l	100
60) 1,2-Dibromoethane	11.075	107	9426	2.712	ug/l #	51
63) Tetrachloroethene	10.648	164	8480	2.617	ug/l #	48
64) Chlorobenzene	11.560	112	29619	2.399	ug/l #	82
65) 1,1,1,2-Tetrachloroethane	11.653	131	6962	2.065	ug/l #	62
66) Ethyl Benzene	11.653	91	46086	2.236	ug/l	99
67) m/p-Xylenes	11.778	106	35858	4.354	ug/l	94
68) o-Xylene	12.156	106	17019m	2.129	ug/l	
69) Styrene	12.169	104	27379	2.049	ug/l	96
70) Bromoform	12.349	173	3707m	1.942	ug/l	
72) Isopropylbenzene	12.497	105	40073	2.081	ug/l	100
73) N-amyl acetate	12.294	43	15399	2.017	ug/l #	78
74) 1,1,2,2-Tetrachloroethane	12.785	83	14680	2.598	ug/l	93
75) 1,2,3-Trichloropropane	12.837	75	11104m	2.479	ug/l	
76) Bromobenzene	12.811	156	9991m	2.242	ug/l	
77) n-propylbenzene	12.888	91	50898	2.215	ug/l	81
78) 2-Chlorotoluene	12.984	91	27455	2.106	ug/l	98
79) 1,3,5-Trimethylbenzene	13.042	105	30650	2.035	ug/l	95
80) trans-1,4-Dichloro-2-b...	12.561	75	3736m	2.430	ug/l	
81) 4-Chlorotoluene	13.090	91	30545	2.294	ug/l	74
82) tert-Butylbenzene	13.344	119	31954	2.333	ug/l	91
83) 1,2,4-Trimethylbenzene	13.392	105	31511	2.114	ug/l	97
84) sec-Butylbenzene	13.546	105	44506	2.191	ug/l	99
85) p-Isopropyltoluene	13.674	119	35100	2.119	ug/l	86
86) 1,3-Dichlorobenzene	13.668	146	20398	2.335	ug/l	99
87) 1,4-Dichlorobenzene	13.764	146	22907	2.612	ug/l	91
88) n-Butylbenzene	14.043	91	31767	2.081	ug/l	99
89) Hexachloroethane	14.338	117	4766m	2.004	ug/l	
90) 1,2-Dichlorobenzene	14.088	146	20319	2.476	ug/l	97
91) 1,2-Dibromo-3-Chloropr...	14.788	75	2360m	3.137	ug/l	
92) 1,2,4-Trichlorobenzene	15.551	180	12582	2.564	ug/l	61
93) Hexachlorobutadiene	15.670	225	3973m	2.492	ug/l	
94) Naphthalene	15.831	128	39936	2.656	ug/l #	93
95) 1,2,3-Trichlorobenzene	16.058	180	12164	2.611	ug/l #	39

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

