

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026710.D
 Acq On : 5 Aug 2025 13:35
 Operator : SY/MD
 Sample : MDL04
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 01:23:32 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	7.298	168	389397	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.322	114	719143	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.531	117	551543	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.735	152	253366	50.000	ug/l	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	264127	53.592	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.180%			
34) Dibromofluoromethane	7.195	113	211420	47.532	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.060%			
49) Toluene-d8	10.032	98	830356	52.107	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.220%			
61) 4-Bromofluorobenzene	12.670	95	223764	49.369	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.660	85	6596	2.324	ug/l #	68
3) Chloromethane	1.837	50	9952	2.359	ug/l	96
4) Vinyl Chloride	1.958	62	11240	2.607	ug/l	90
5) Bromomethane	2.299	94	7784	3.706	ug/l	83
6) Chloroethane	2.417	64	7747	2.791	ug/l #	31
7) Trichlorofluoromethane	2.713	101	24187	3.113	ug/l	99
8) Diethyl Ether	3.069	74	9482m	2.750	ug/l	
9) 1,1,2-Trichlorotrifluo...	3.380	101	10894	2.599	ug/l #	74
10) Methyl Iodide	3.540	142	8062m	1.993	ug/l	
11) Tert butyl alcohol	4.320	59	10670m	13.837	ug/l	
12) 1,1-Dichloroethene	3.361	96	9005	2.174	ug/l #	44
13) Acrolein	3.252	56	7469m	6.626	ug/l	
14) Allyl chloride	3.877	41	16748m	2.055	ug/l	
15) Acrylonitrile	4.481	53	46753	15.274	ug/l #	85
16) Acetone	3.441	43	34216	14.792	ug/l	94
17) Carbon Disulfide	3.637	76	9040m	1.474	ug/l	
18) Methyl Acetate	3.897	43	19776m	2.048	ug/l	
19) Methyl tert-butyl Ether	4.554	73	40374m	2.436	ug/l	
20) Methylene Chloride	4.089	84	17130m	3.121	ug/l	
21) trans-1,2-Dichloroethene	4.532	96	10721m	2.354	ug/l	
22) Diisopropyl ether	5.466	45	51193m	2.681	ug/l	
23) Vinyl Acetate	5.392	43	153373	14.086	ug/l #	92
24) 1,1-Dichloroethane	5.318	63	23128m	2.392	ug/l	
25) 2-Butanone	6.377	43	55897	15.613	ug/l #	85
26) 2,2-Dichloropropane	6.339	77	13366m	1.999	ug/l	
27) cis-1,2-Dichloroethene	6.348	96	14512m	2.477	ug/l	
28) Bromochloromethane	6.733	49	11957m	3.431	ug/l	
29) Chloroform	6.952	83	21972	2.623	ug/l	89
30) Cyclohexane	7.282	56	24450m	3.131	ug/l	
31) 1,1,1-Trichloroethane	7.179	97	13805	2.281	ug/l #	40
35) 1,1-Dichloropropene	7.426	75	13952	2.486	ug/l #	69
36) Ethyl Acetate	6.486	43	19337m	2.879	ug/l	
37) Carbon Tetrachloride	7.404	117	9927m	2.172	ug/l	
38) Methylcyclohexane	8.883	83	13806	2.149	ug/l #	82
39) Benzene	7.709	78	47837	2.367	ug/l #	86
40) Methacrylonitrile	6.724	41	12325	2.952	ug/l #	60

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.799	62	14631m	2.847	ug/l	
42) Isopropyl Acetate	7.869	43	30085	2.785	ug/l #	78
43) Trichloroethene	8.604	130	9024	2.322	ug/l	72
44) 1,2-Dichloropropane	8.922	63	13200m	2.760	ug/l	
45) Dibromomethane	9.024	93	6839m	2.572	ug/l	
46) Bromodichloromethane	9.239	83	12377	2.402	ug/l #	76
47) Methyl methacrylate	9.028	41	12233m	2.588	ug/l	
48) 1,4-Dioxane	9.034	88	6574m	86.327	ug/l	
50) 4-Methyl-2-Pentanone	9.917	43	78522	13.924	ug/l	95
51) Toluene	10.099	92	25770	2.498	ug/l	96
52) t-1,3-Dichloropropene	10.363	75	10149	2.010	ug/l	98
53) cis-1,3-Dichloropropene	9.740	75	11502	1.899	ug/l #	88
54) 1,1,2-Trichloroethane	10.568	97	10110m	2.684	ug/l	
55) Ethyl methacrylate	10.427	69	13967	2.245	ug/l #	89
56) 1,3-Dichloropropane	10.728	76	17388	2.710	ug/l #	83
57) 2-Chloroethyl Vinyl ether	9.586	63	6338m	18.435	ug/l	
58) 2-Hexanone	10.793	43	53237	14.004	ug/l	98
59) Dibromochloromethane	10.953	129	6837	2.144	ug/l	61
60) 1,2-Dibromoethane	11.069	107	9140	2.819	ug/l #	76
63) Tetrachloroethene	10.639	164	7982m	2.649	ug/l	
64) Chlorobenzene	11.566	112	28309	2.466	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.649	131	6885	2.196	ug/l	96
66) Ethyl Benzene	11.656	91	41298	2.155	ug/l	100
67) m/p-Xylenes	11.778	106	33117	4.325	ug/l	100
68) o-Xylene	12.147	106	18681	2.513	ug/l	79
69) Styrene	12.179	104	26878	2.164	ug/l #	88
70) Bromoform	12.349	173	4251m	2.396	ug/l	
72) Isopropylbenzene	12.503	105	39284	2.175	ug/l	93
73) N-amyl acetate	12.298	43	16450	2.297	ug/l	95
74) 1,1,2,2-Tetrachloroethane	12.779	83	14062	2.654	ug/l #	61
75) 1,2,3-Trichloropropane	12.843	75	11072m	2.636	ug/l	
76) Bromobenzene	12.811	156	9356	2.239	ug/l	60
77) n-propylbenzene	12.891	91	49486m	2.297	ug/l	
78) 2-Chlorotoluene	12.978	91	29454	2.410	ug/l	97
79) 1,3,5-Trimethylbenzene	13.045	105	30053	2.128	ug/l	95
80) trans-1,4-Dichloro-2-b...	12.554	75	2759m	1.913	ug/l	
81) 4-Chlorotoluene	13.090	91	27986	2.241	ug/l	93
82) tert-Butylbenzene	13.344	119	27995	2.180	ug/l	95
83) 1,2,4-Trimethylbenzene	13.395	105	30498	2.182	ug/l	97
84) sec-Butylbenzene	13.539	105	43009	2.258	ug/l	88
85) p-Isopropyltoluene	13.671	119	33059	2.129	ug/l	93
86) 1,3-Dichlorobenzene	13.668	146	22392m	2.733	ug/l	
87) 1,4-Dichlorobenzene	13.761	146	23624	2.873	ug/l	92
88) n-Butylbenzene	14.046	91	32328	2.258	ug/l	96
89) Hexachloroethane	14.342	117	3964m	1.777	ug/l	
90) 1,2-Dichlorobenzene	14.095	146	21305	2.769	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.775	75	1995m	2.828	ug/l	
92) 1,2,4-Trichlorobenzene	15.548	180	11591	2.519	ug/l	64
93) Hexachlorobutadiene	15.680	225	3614m	2.417	ug/l	
94) Naphthalene	15.827	128	42425	3.009	ug/l #	82
95) 1,2,3-Trichlorobenzene	16.055	180	12007m	2.749	ug/l	

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

