

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082525\
 Data File : VV039034.D
 Acq On : 25 Aug 2025 15:53
 Operator : SY/MD
 Sample : Q2893-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2025

Quant Time: Aug 26 03:48:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 03:46:33 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	479481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	844888	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	786992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	368604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	365249	52.815	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 105.620%			
35) Dibromofluoromethane	4.506	113	326560	53.671	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 107.340%			
50) Toluene-d8	7.236	98	1007446	46.763	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.520%			
62) 4-Bromofluorobenzene	10.001	95	341713	43.288	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 86.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	3804	0.592	ug/l	76
3) Chloromethane	1.230	50	4740	0.693	ug/l	97
4) Vinyl Chloride	1.298	62	5386	0.675	ug/l	91
5) Bromomethane	1.500	94	4092	1.021	ug/l	98
6) Chloroethane	1.561	64	2968	0.614	ug/l #	70
7) Trichlorofluoromethane	1.728	101	7627	0.664	ug/l	92
8) Diethyl Ether	1.925	74	2627	0.603	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.085	101	4917	0.711	ug/l #	88
10) Methyl Iodide	2.204	142	4494	0.884	ug/l	89
11) Tert butyl alcohol	2.574	59	4024m	3.241	ug/l	
12) 1,1-Dichloroethene	2.079	96	4815	0.727	ug/l #	87
13) Acrolein	2.015	56	2943	5.251	ug/l	83
14) Allyl chloride	2.368	41	5822	0.558	ug/l #	78
15) Acrylonitrile	2.706	53	14340m	3.873	ug/l	
16) Acetone	2.124	43	14543	3.330	ug/l	97
17) Carbon Disulfide	2.253	76	14427	0.784	ug/l	98
18) Methyl Acetate	2.410	43	4503	0.519	ug/l #	88
19) Methyl tert-butyl Ether	2.719	73	10229	0.524	ug/l	91
20) Methylene Chloride	2.462	84	7883	1.105	ug/l	90
21) trans-1,2-Dichloroethene	2.716	96	4384	0.660	ug/l	99
22) Diisopropyl ether	3.224	45	10165	0.536	ug/l #	87
23) Vinyl Acetate	3.240	43	46163m	2.935	ug/l	
24) 1,1-Dichloroethane	3.134	63	8681	0.730	ug/l	99
25) 2-Butanone	3.995	43	18395m	3.846	ug/l	
26) 2,2-Dichloropropane	3.825	77	7224m	0.707	ug/l	
27) cis-1,2-Dichloroethene	3.857	96	4271	0.580	ug/l	72
28) Bromochloromethane	4.166	49	3828m	1.189	ug/l	
29) Tetrahydrofuran	4.288	42	10158m	3.359	ug/l	
30) Chloroform	4.301	83	7322	0.592	ug/l #	78
31) Cyclohexane	4.593	56	14036	1.335	ug/l #	39
32) 1,1,1-Trichloroethane	4.523	97	7169	0.659	ug/l #	45
36) 1,1-Dichloropropene	4.773	75	4451m	0.544	ug/l	
37) Ethyl Acetate	3.995	43	6480m	0.675	ug/l	
38) Carbon Tetrachloride	4.738	117	5512	0.563	ug/l #	85
39) Methylcyclohexane	6.056	83	5844	0.557	ug/l	87
40) Benzene	5.034	78	15299	0.585	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.243	41	844m	0.274	ug/l	
42) 1,2-Dichloroethane	5.076	62	5602	0.615	ug/l	85
43) Isopropyl Acetate	5.259	43	5311m	0.389	ug/l	
44) Trichloroethene	5.857	130	3626	0.553	ug/l	92
45) 1,2-Dichloropropane	6.114	63	3312	0.499	ug/l	95
46) Dibromomethane	6.252	93	3251	0.645	ug/l #	82
47) Bromodichloromethane	6.449	83	6489	0.625	ug/l	96
48) Methyl methacrylate	6.394	41	3683m	0.552	ug/l	
49) 1,4-Dioxane	6.346	88	1407m	12.484	ug/l	
51) 4-Methyl-2-Pentanone	7.166	43	25585m	2.664	ug/l	
52) Toluene	7.333	92	8460	0.508	ug/l #	73
53) t-1,3-Dichloropropene	7.612	75	5505m	0.552	ug/l	
54) cis-1,3-Dichloropropene	6.976	75	5285	0.494	ug/l #	80
55) 1,1,2-Trichloroethane	7.780	97	3667	0.527	ug/l #	87
56) Ethyl methacrylate	7.764	69	4610m	0.500	ug/l	
57) 1,3-Dichloropropane	7.960	76	5965	0.531	ug/l	92
58) 2-Chloroethyl Vinyl ether	6.863	63	8471m	1.834	ug/l	
59) 2-Hexanone	8.114	43	20470m	2.872	ug/l	
60) Dibromochloromethane	8.178	129	4631	0.576	ug/l	97
61) 1,2-Dibromoethane	8.297	107	3824	0.533	ug/l #	53
64) Tetrachloroethene	7.905	164	3241	0.579	ug/l #	88
65) Chlorobenzene	8.812	112	11859	0.630	ug/l	91
66) 1,1,1,2-Tetrachloroethane	8.908	131	3883	0.591	ug/l #	64
67) Ethyl Benzene	8.953	91	14896	0.500	ug/l	95
68) m/p-Xylenes	9.079	106	11714	1.023	ug/l	84
69) o-Xylene	9.481	106	4914	0.469	ug/l	93
70) Styrene	9.522	104	8411m	0.455	ug/l	
71) Bromoform	9.670	173	3501	0.659	ug/l #	96
73) Isopropylbenzene	9.863	105	13664	0.529	ug/l	99
74) N-amyl acetate	9.764	43	4086m	0.385	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	6780	0.666	ug/l	90
76) 1,2,3-Trichloropropane	10.214	75	5201	0.719	ug/l	94
77) Bromobenzene	10.162	156	3704	0.579	ug/l	76
78) n-propylbenzene	10.291	91	17021	0.558	ug/l	100
79) 2-Chlorotoluene	10.362	91	10931	0.582	ug/l	96
80) 1,3,5-Trimethylbenzene	10.474	105	9921	0.468	ug/l	96
81) trans-1,4-Dichloro-2-b...	9.976	75	1731m	0.526	ug/l	
82) 4-Chlorotoluene	10.481	91	10381	0.485	ug/l	94
83) tert-Butylbenzene	10.796	119	12667	0.587	ug/l	94
84) 1,2,4-Trimethylbenzene	10.854	105	10638	0.513	ug/l	94
85) sec-Butylbenzene	11.014	105	15313	0.540	ug/l	90
86) p-Isopropyltoluene	11.172	119	12822	0.542	ug/l	90
87) 1,3-Dichlorobenzene	11.120	146	7592	0.593	ug/l	95
88) 1,4-Dichlorobenzene	11.201	146	9575m	0.695	ug/l	
89) n-Butylbenzene	11.593	91	10646	0.467	ug/l	93
90) Hexachloroethane	11.821	117	3364	0.637	ug/l	92
91) 1,2-Dichlorobenzene	11.587	146	6932	0.559	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.371	75	969	0.438	ug/l	88
93) 1,2,4-Trichlorobenzene	13.201	180	4290	0.597	ug/l	82
94) Hexachlorobutadiene	13.374	225	2791	0.830	ug/l	73
95) Naphthalene	13.442	128	11318	0.454	ug/l	98
96) 1,2,3-Trichlorobenzene	13.680	180	4098	0.563	ug/l	96

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

