

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082525\
 Data File : VV039033.D
 Acq On : 25 Aug 2025 15:32
 Operator : SY/MD
 Sample : Q2893-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 26 03:48:09 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	446332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	824725	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	760857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	357420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	351354	54.579	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.160%			
35) Dibromofluoromethane	4.503	113	298173	50.203	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.400%			
50) Toluene-d8	7.236	98	977100	46.464	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.920%			
62) 4-Bromofluorobenzene	10.001	95	331989	43.085	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 86.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	3350	0.560	ug/l	88
3) Chloromethane	1.227	50	4034	0.633	ug/l	90
4) Vinyl Chloride	1.298	62	4528	0.610	ug/l	89
5) Bromomethane	1.497	94	3060	0.820	ug/l	83
6) Chloroethane	1.564	64	2281m	0.507	ug/l	
7) Trichlorofluoromethane	1.728	101	5826	0.545	ug/l	92
8) Diethyl Ether	1.921	74	2543	0.627	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.079	101	3604	0.560	ug/l	90
10) Methyl Iodide	2.201	142	4782	1.010	ug/l #	94
11) Tert butyl alcohol	2.577	59	3430	2.968	ug/l	96
12) 1,1-Dichloroethene	2.082	96	3819	0.619	ug/l	96
13) Acrolein	2.011	56	3057	5.859	ug/l	96
14) Allyl chloride	2.365	41	6360	0.655	ug/l #	84
15) Acrylonitrile	2.716	53	8050	2.336	ug/l	95
16) Acetone	2.127	43	12867	3.165	ug/l	91
17) Carbon Disulfide	2.256	76	11971	0.699	ug/l	97
18) Methyl Acetate	2.423	43	4504m	0.558	ug/l	
19) Methyl tert-butyl Ether	2.716	73	10327	0.568	ug/l	95
20) Methylene Chloride	2.465	84	6966	1.049	ug/l #	87
21) trans-1,2-Dichloroethene	2.716	96	4102	0.664	ug/l	86
22) Diisopropyl ether	3.224	45	10106	0.572	ug/l #	49
23) Vinyl Acetate	3.240	43	32349	2.209	ug/l	95
24) 1,1-Dichloroethane	3.130	63	7117	0.643	ug/l #	84
25) 2-Butanone	3.989	43	10448m	2.346	ug/l	
26) 2,2-Dichloropropane	3.825	77	5813	0.611	ug/l #	58
27) cis-1,2-Dichloroethene	3.854	96	3772	0.551	ug/l	80
28) Bromochloromethane	4.178	49	2002	0.668	ug/l	85
29) Tetrahydrofuran	4.278	42	7913m	2.811	ug/l	
30) Chloroform	4.297	83	7131	0.620	ug/l #	79
31) Cyclohexane	4.606	56	15144	1.547	ug/l #	27
32) 1,1,1-Trichloroethane	4.519	97	6406	0.632	ug/l #	44
36) 1,1-Dichloropropene	4.777	75	5167m	0.647	ug/l	
37) Ethyl Acetate	3.989	43	4279m	0.457	ug/l	
38) Carbon Tetrachloride	4.744	117	4524	0.473	ug/l	97
39) Methylcyclohexane	6.053	83	5171	0.505	ug/l	97
40) Benzene	5.037	78	12065	0.473	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.169	41	903m	0.300	ug/l	
42) 1,2-Dichloroethane	5.076	62	5059	0.569	ug/l	81
43) Isopropyl Acetate	5.297	43	8563m	0.642	ug/l	
44) Trichloroethene	5.860	130	3415m	0.533	ug/l	
45) 1,2-Dichloropropane	6.114	63	3086	0.476	ug/l #	79
46) Dibromomethane	6.265	93	2521	0.513	ug/l #	85
47) Bromodichloromethane	6.442	83	5156	0.509	ug/l #	94
48) Methyl methacrylate	6.410	41	3373m	0.518	ug/l	
49) 1,4-Dioxane	6.355	88	1148m	10.435	ug/l	
51) 4-Methyl-2-Pentanone	7.166	43	22283m	2.377	ug/l	
52) Toluene	7.326	92	7673	0.472	ug/l	82
53) t-1,3-Dichloropropene	7.622	75	5340m	0.549	ug/l	
54) cis-1,3-Dichloropropene	6.985	75	5001m	0.479	ug/l	
55) 1,1,2-Trichloroethane	7.773	97	3942m	0.581	ug/l	
56) Ethyl methacrylate	7.809	69	3852m	0.428	ug/l	
57) 1,3-Dichloropropane	7.960	76	6086m	0.555	ug/l	
58) 2-Chloroethyl Vinyl ether	6.867	63	7151m	1.586	ug/l	
59) 2-Hexanone	8.111	43	16837m	2.420	ug/l	
60) Dibromochloromethane	8.178	129	4158	0.530	ug/l	93
61) 1,2-Dibromoethane	8.294	107	3841m	0.548	ug/l	
64) Tetrachloroethene	7.905	164	3308	0.612	ug/l #	80
65) Chlorobenzene	8.812	112	10354	0.569	ug/l	90
66) 1,1,1,2-Tetrachloroethane	8.908	131	3081	0.485	ug/l #	57
67) Ethyl Benzene	8.953	91	13186	0.458	ug/l	99
68) m/p-Xylenes	9.079	106	9081	0.820	ug/l	93
69) o-Xylene	9.484	106	4619	0.456	ug/l	83
70) Styrene	9.519	104	7515m	0.421	ug/l	
71) Bromoform	9.673	173	3037	0.591	ug/l #	99
73) Isopropylbenzene	9.863	105	11738	0.469	ug/l	96
74) N-amyl acetate	9.763	43	5311m	0.516	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	5759	0.584	ug/l	91
76) 1,2,3-Trichloropropane	10.207	75	3162m	0.451	ug/l	
77) Bromobenzene	10.159	156	4030	0.649	ug/l	80
78) n-propylbenzene	10.291	91	13894	0.470	ug/l	99
79) 2-Chlorotoluene	10.355	91	9266	0.509	ug/l	94
80) 1,3,5-Trimethylbenzene	10.474	105	8840	0.430	ug/l	91
81) trans-1,4-Dichloro-2-b...	9.940	75	1403m	0.440	ug/l	
82) 4-Chlorotoluene	10.484	91	8788	0.424	ug/l	91
83) tert-Butylbenzene	10.796	119	9853	0.471	ug/l	95
84) 1,2,4-Trimethylbenzene	10.850	105	8720	0.433	ug/l	97
85) sec-Butylbenzene	11.017	105	13024	0.474	ug/l	98
86) p-Isopropyltoluene	11.175	119	10993	0.479	ug/l	91
87) 1,3-Dichlorobenzene	11.124	146	7101	0.572	ug/l	95
88) 1,4-Dichlorobenzene	11.198	146	8893m	0.665	ug/l	
89) n-Butylbenzene	11.596	91	10921m	0.494	ug/l	
90) Hexachloroethane	11.818	117	3083	0.602	ug/l	100
91) 1,2-Dichlorobenzene	11.580	146	7121	0.592	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	12.374	75	1201	0.560	ug/l	75
93) 1,2,4-Trichlorobenzene	13.210	180	3628m	0.520	ug/l	
94) Hexachlorobutadiene	13.371	225	2626	0.806	ug/l	80
95) Naphthalene	13.442	128	10427	0.431	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.680	180	3492	0.494	ug/l	93

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

