

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080725\
 Data File : VR026729.D
 Acq On : 7 Aug 2025 16:08
 Operator : SY/MD
 Sample : Q2126-08
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Quant Time: Aug 08 01:43:41 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.288	168	344188	50.000	ug/l	-0.02
33) 1,4-Difluorobenzene	8.318	114	602481	50.000	ug/l	-0.01
62) Chlorobenzene-d5	11.530	117	478310	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.738	152	227175	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.673	65	219427	50.370	ug/l	-0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.740%	
34) Dibromofluoromethane	7.189	113	185781	49.855	ug/l	-0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.720%	
49) Toluene-d8	10.025	98	755660	56.602	ug/l	-0.01
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.200%#	
61) 4-Bromofluorobenzene	12.666	95	196834	51.837	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.663	85	11583	4.617	ug/l	94
3) Chloromethane	1.836	50	20018	5.368	ug/l	98
4) Vinyl Chloride	1.955	62	24642	6.467	ug/l #	73
5) Bromomethane	2.302	94	12332	6.642	ug/l	87
6) Chloroethane	2.427	64	15129	6.166	ug/l	92
7) Trichlorofluoromethane	2.709	101	50491	7.352	ug/l	95
8) Diethyl Ether	3.069	74	13710	4.499	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.373	101	18905m	5.103	ug/l	
10) Methyl Iodide	3.540	142	16746	4.683	ug/l #	78
11) Tert butyl alcohol	4.314	59	13945m	20.460	ug/l	
12) 1,1-Dichloroethene	3.354	96	16521	4.512	ug/l #	85
13) Acrolein	3.242	56	16470	16.531	ug/l	95
14) Allyl chloride	3.874	41	30217	4.195	ug/l #	52
15) Acrylonitrile	4.471	53	63604	23.509	ug/l #	64
16) Acetone	3.441	43	51839	25.354	ug/l	99
17) Carbon Disulfide	3.637	76	17908	3.304	ug/l	100
18) Methyl Acetate	3.893	43	46821	5.487	ug/l #	74
19) Methyl tert-butyl Ether	4.545	73	60185m	4.108	ug/l	
20) Methylene Chloride	4.070	84	25727m	5.302	ug/l	
21) trans-1,2-Dichloroethene	4.519	96	16877m	4.193	ug/l	
22) Diisopropyl ether	5.453	45	81268m	4.815	ug/l	
23) Vinyl Acetate	5.373	43	205526	21.355	ug/l #	86
24) 1,1-Dichloroethane	5.321	63	40495m	4.737	ug/l	
25) 2-Butanone	6.367	43	80214	25.347	ug/l #	85
26) 2,2-Dichloropropane	6.338	77	20029m	3.389	ug/l	
27) cis-1,2-Dichloroethene	6.342	96	22997m	4.441	ug/l	
28) Bromochloromethane	6.733	49	13425m	4.359	ug/l	
29) Chloroform	6.945	83	36114	4.877	ug/l	99
30) Cyclohexane	7.259	56	32223m	4.668	ug/l	
31) 1,1,1-Trichloroethane	7.160	97	24819m	4.640	ug/l	
35) 1,1-Dichloropropene	7.417	75	25030m	5.324	ug/l	
36) Ethyl Acetate	6.483	43	28990m	5.151	ug/l	
37) Carbon Tetrachloride	7.401	117	16980m	4.435	ug/l	
38) Methylcyclohexane	8.880	83	25073	4.659	ug/l	92
39) Benzene	7.693	78	88389	5.221	ug/l	93
40) Methacrylonitrile	6.717	41	17988m	5.143	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.789	62	24130	5.604	ug/l	90
42) Isopropyl Acetate	7.859	43	39543	4.370	ug/l #	94
43) Trichloroethene	8.601	130	15916m	4.889	ug/l	
44) 1,2-Dichloropropane	8.909	63	18346	4.579	ug/l #	75
45) Dibromomethane	9.015	93	13654	6.128	ug/l #	87
46) Bromodichloromethane	9.242	83	19510	4.519	ug/l #	84
47) Methyl methacrylate	9.021	41	20158	5.090	ug/l #	86
48) 1,4-Dioxane	9.024	88	6590m	103.293	ug/l	
50) 4-Methyl-2-Pentanone	9.916	43	127978	27.088	ug/l	97
51) Toluene	10.102	92	46315	5.359	ug/l	96
52) t-1,3-Dichloropropene	10.359	75	16330	3.859	ug/l	99
53) cis-1,3-Dichloropropene	9.737	75	23203	4.572	ug/l #	90
54) 1,1,2-Trichloroethane	10.565	97	20039	6.349	ug/l #	89
55) Ethyl methacrylate	10.427	69	23241	4.459	ug/l	90
56) 1,3-Dichloropropane	10.728	76	31944	5.942	ug/l	93
57) 2-Chloroethyl Vinyl ether	9.583	63	7246	25.157	ug/l #	78
58) 2-Hexanone	10.789	43	83313	26.158	ug/l	100
59) Dibromochloromethane	10.946	129	12272	4.594	ug/l	96
60) 1,2-Dibromoethane	11.068	107	15545	5.723	ug/l	92
63) Tetrachloroethene	10.651	164	14246	5.452	ug/l #	78
64) Chlorobenzene	11.556	112	53328	5.357	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.656	131	12179	4.479	ug/l #	35
66) Ethyl Benzene	11.659	91	78046	4.696	ug/l	92
67) m/p-Xylenes	11.778	106	62800	9.457	ug/l	97
68) o-Xylene	12.153	106	30893	4.793	ug/l	93
69) Styrene	12.169	104	49199	4.567	ug/l	98
70) Bromoform	12.355	173	6580m	4.276	ug/l	
72) Isopropylbenzene	12.500	105	75270	4.649	ug/l	99
73) N-amyl acetate	12.304	43	25857	4.028	ug/l #	85
74) 1,1,2,2-Tetrachloroethane	12.779	83	24659	5.191	ug/l	97
75) 1,2,3-Trichloropropane	12.833	75	17409m	4.623	ug/l	
76) Bromobenzene	12.808	156	18200	4.857	ug/l	88
77) n-propylbenzene	12.885	91	93120	4.820	ug/l	96
78) 2-Chlorotoluene	12.978	91	52903	4.827	ug/l	93
79) 1,3,5-Trimethylbenzene	13.045	105	60039	4.742	ug/l	99
80) trans-1,4-Dichloro-2-b...	12.551	75	4569m	3.534	ug/l	
81) 4-Chlorotoluene	13.090	91	50871	4.543	ug/l	96
82) tert-Butylbenzene	13.343	119	54591	4.740	ug/l	96
83) 1,2,4-Trimethylbenzene	13.392	105	58244	4.647	ug/l	93
84) sec-Butylbenzene	13.546	105	81839	4.792	ug/l	96
85) p-Isopropyltoluene	13.677	119	60455	4.341	ug/l	97
86) 1,3-Dichlorobenzene	13.671	146	38615	5.256	ug/l	99
87) 1,4-Dichlorobenzene	13.757	146	40925	5.550	ug/l	97
88) n-Butylbenzene	14.046	91	55948	4.359	ug/l	95
89) Hexachloroethane	14.345	117	8254	4.127	ug/l	89
90) 1,2-Dichlorobenzene	14.091	146	38381	5.563	ug/l	96
91) 1,2-Dibromo-3-Chloropr...	14.768	75	2964m	4.685	ug/l	
92) 1,2,4-Trichlorobenzene	15.554	180	23032m	5.583	ug/l	
93) Hexachlorobutadiene	15.689	225	7253m	5.411	ug/l	
94) Naphthalene	15.827	128	68532	5.420	ug/l #	85
95) 1,2,3-Trichlorobenzene	16.055	180	23911m	6.105	ug/l	

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

