

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082125\
 Data File : VR026755.D
 Acq On : 21 Aug 2025 14:15
 Operator : SY/MD
 Sample : Q2893-08
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

Quant Time: Aug 22 06:56:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 06:50:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	7.385	168	1755221	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.392	114	2991043	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.566	117	2251687	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.764	152	647719	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.770	65	1044877	47.403	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.800%		
34) Dibromofluoromethane	7.295	113	885164	45.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.740%		
49) Toluene-d8	10.074	98	3295789	50.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.800%		
61) 4-Bromofluorobenzene	12.695	95	801583	43.198	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.827	85	89335m	5.386	ug/l	
3) Chloromethane	1.820	50	10854m	5.500	ug/l	
4) Vinyl Chloride	2.128	62	143682	5.265	ug/l	99
5) Bromomethane	2.446	94	52118	6.220	ug/l	89
6) Chloroethane	2.581	64	97366	6.252	ug/l	89
7) Trichlorofluoromethane	2.873	101	294501	5.567	ug/l	100
8) Diethyl Ether	3.239	74	89939	5.314	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.547	101	115770m	5.476	ug/l	
10) Methyl Iodide	3.720	142	112785	5.020	ug/l #	81
11) Tert butyl alcohol	4.503	59	59235m	17.481	ug/l	
12) 1,1-Dichloroethene	3.528	96	119215	5.197	ug/l	90
13) Acrolein	3.412	56	97349	41.564	ug/l	99
14) Allyl chloride	4.051	41	202142	4.781	ug/l #	89
15) Acrylonitrile	4.660	53	324078	22.362	ug/l	97
16) Acetone	3.611	43	275492	23.612	ug/l	99
17) Carbon Disulfide	3.807	76	259832	4.663	ug/l	98
18) Methyl Acetate	4.076	43	145418	4.278	ug/l	100
19) Methyl tert-butyl Ether	4.724	73	342606	4.709	ug/l	97
20) Methylene Chloride	4.259	84	136335	5.478	ug/l	91
21) trans-1,2-Dichloroethene	4.696	96	119308	4.974	ug/l	98
22) Diisopropyl ether	5.613	45	441738	5.079	ug/l	92
23) Vinyl Acetate	5.546	43	1553162	26.924	ug/l #	71
24) 1,1-Dichloroethane	5.485	63	220061	5.141	ug/l	99
25) 2-Butanone	6.496	43	387787	21.406	ug/l #	85
26) 2,2-Dichloropropane	6.476	77	127615	4.352	ug/l	98
27) cis-1,2-Dichloroethene	6.480	96	130479	4.806	ug/l	97
28) Bromochloromethane	6.865	49	75715	5.977	ug/l	98
29) Chloroform	7.061	83	192134	4.996	ug/l	97
30) Cyclohexane	7.381	56	260027	5.761	ug/l #	87
31) 1,1,1-Trichloroethane	7.276	97	152560	4.886	ug/l	97
35) 1,1-Dichloropropene	7.519	75	139185	4.582	ug/l	98
36) Ethyl Acetate	6.605	43	155576	4.003	ug/l	97
37) Carbon Tetrachloride	7.497	117	115478	4.224	ug/l	92
38) Methylcyclohexane	8.941	83	177542	4.670	ug/l	91
39) Benzene	7.789	78	484905	5.199	ug/l #	87
40) Methacrylonitrile	6.839	41	79971	3.945	ug/l #	90

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41) 1,2-Dichloroethane	7.882	62	121958	4.716	ug/l	99
42) Isopropyl Acetate	7.943	43	221459	4.019	ug/l	97
43) Trichloroethene	8.668	130	93986	4.619	ug/l	84
44) 1,2-Dichloropropane	8.976	63	98504	4.412	ug/l	97
45) Dibromomethane	9.072	93	58187	4.102	ug/l	93
46) Bromodichloromethane	9.297	83	109495	4.147	ug/l	97
47) Methyl methacrylate	9.089	41	99838	3.712	ug/l	99
48) 1,4-Dioxane	9.082	88	22504	65.138	ug/l	95
50) 4-Methyl-2-Pentanone	9.961	43	614983	22.576	ug/l #	72
51) Toluene	10.147	92	250920	4.712	ug/l	81
52) t-1,3-Dichloropropene	10.404	75	95487	3.819	ug/l	100
53) cis-1,3-Dichloropropene	9.791	75	122819	4.049	ug/l	95
54) 1,1,2-Trichloroethane	10.603	97	83361	4.410	ug/l	95
55) Ethyl methacrylate	10.465	69	129124	3.971	ug/l	100
56) 1,3-Dichloropropane	10.770	76	139419	4.376	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.640	63	12513m	7.182	ug/l	
58) 2-Hexanone	10.828	43	372303	19.996	ug/l	82
59) Dibromochloromethane	10.988	129	69468	3.907	ug/l	99
60) 1,2-Dibromoethane	11.101	107	70297	4.115	ug/l	98
63) Tetrachloroethene	10.683	164	79652	5.035	ug/l #	87
64) Chlorobenzene	11.595	112	251380	5.017	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.681	131	67513	4.013	ug/l	93
66) Ethyl Benzene	11.688	91	439388	5.245	ug/l #	74
67) m/p-Xylenes	11.813	106	342719	9.776	ug/l #	72
68) o-Xylene	12.182	106	162287	4.569	ug/l	96
69) Styrene	12.201	104	238241	4.558	ug/l #	90
70) Bromoform	12.381	173	32161	3.545	ug/l #	96
72) Isopropylbenzene	12.525	105	389366	5.538	ug/l	93
73) N-amyl acetate	12.326	43	94451	3.721	ug/l	97
74) 1,1,2,2-Tetrachloroethane	12.808	83	91564	4.549	ug/l	100
75) 1,2,3-Trichloropropane	12.865	75	70583m	4.421	ug/l	
76) Bromobenzene	12.837	156	73485	4.775	ug/l	89
77) n-propylbenzene	12.910	91	412431	5.472	ug/l	91
78) 2-Chlorotoluene	13.007	91	219485	4.931	ug/l	99
79) 1,3,5-Trimethylbenzene	13.071	105	263223	5.013	ug/l	96
80) trans-1,4-Dichloro-2-b...	12.583	75	15782	3.016	ug/l #	75
81) 4-Chlorotoluene	13.119	91	197011	4.830	ug/l	98
82) tert-Butylbenzene	13.366	119	239307	4.875	ug/l	92
83) 1,2,4-Trimethylbenzene	13.417	105	215942	4.511	ug/l	99
84) sec-Butylbenzene	13.571	105	326149	5.166	ug/l	96
85) p-Isopropyltoluene	13.700	119	229076	4.669	ug/l	95
86) 1,3-Dichlorobenzene	13.693	146	111073	4.860	ug/l	95
87) 1,4-Dichlorobenzene	13.783	146	115116	5.228	ug/l	97
88) n-Butylbenzene	14.072	91	175605	5.010	ug/l	97
89) Hexachloroethane	14.374	117	32500	4.084	ug/l	96
90) 1,2-Dichlorobenzene	14.120	146	102476	5.339	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.816	75	8645	4.332	ug/l	95
92) 1,2,4-Trichlorobenzene	15.583	180	63451	5.031	ug/l	98
93) Hexachlorobutadiene	15.702	225	23415	5.633	ug/l	98
94) Naphthalene	15.863	128	153019	4.244	ug/l	99
95) 1,2,3-Trichlorobenzene	16.084	180	62014	5.068	ug/l	97

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

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