

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082025\
 Data File : VR026742.D
 Acq On : 20 Aug 2025 15:22
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 21 08:37:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:23:46 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	7.382	168	1966732	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.386	114	3237777	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.560	117	2550759	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.761	152	782416	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.760	65	245709	9.948	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	19.900%#		
34) Dibromofluoromethane	7.289	113	208764	9.886	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	19.780%#		
49) Toluene-d8	10.071	98	803634	11.352	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	22.700%#		
61) 4-Bromofluorobenzene	12.686	95	198122	9.863	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	19.720%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.821	85	197122	10.607	ug/l	91
3) Chloromethane	1.817	50	24762m	11.198	ug/l	
4) Vinyl Chloride	2.119	62	340414	11.132	ug/l	99
5) Bromomethane	2.459	94	162713	17.331	ug/l	93
6) Chloroethane	2.584	64	209612	9.895	ug/l	90
7) Trichlorofluoromethane	2.870	101	673036	11.354	ug/l	96
8) Diethyl Ether	3.229	74	183680	9.686	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.541	101	236830	9.998	ug/l	100
10) Methyl Iodide	3.707	142	244988	9.731	ug/l #	94
11) Tert butyl alcohol	4.490	59	180552	47.552	ug/l #	96
12) 1,1-Dichloroethene	3.512	96	246131	9.575	ug/l	94
13) Acrolein	3.406	56	104166	39.493	ug/l	100
14) Allyl chloride	4.044	41	466417	9.846	ug/l	99
15) Acrylonitrile	4.651	53	831034	51.175	ug/l	97
16) Acetone	3.608	43	705848	53.990	ug/l	96
17) Carbon Disulfide	3.807	76	589841	9.448	ug/l	97
18) Methyl Acetate	4.057	43	399423	10.488	ug/l	97
19) Methyl tert-butyl Ether	4.718	73	795202	9.753	ug/l	100
20) Methylene Chloride	4.250	84	279383m	10.016	ug/l	
21) trans-1,2-Dichloroethene	4.699	96	263510	9.804	ug/l	99
22) Diisopropyl ether	5.610	45	995827	10.218	ug/l	95
23) Vinyl Acetate	5.540	43	4049172	48.979	ug/l #	72
24) 1,1-Dichloroethane	5.482	63	466792	9.733	ug/l	99
25) 2-Butanone	6.493	43	1069341	52.680	ug/l #	89
26) 2,2-Dichloropropane	6.470	77	294300	8.957	ug/l	97
27) cis-1,2-Dichloroethene	6.470	96	289437	9.515	ug/l	98
28) Bromochloromethane	6.862	49	135848	9.571	ug/l	94
29) Chloroform	7.054	83	417819	9.696	ug/l	96
30) Cyclohexane	7.369	56	524136	10.363	ug/l	94
31) 1,1,1-Trichloroethane	7.276	97	318255	9.096	ug/l #	89
35) 1,1-Dichloropropene	7.510	75	303331	9.224	ug/l	99
36) Ethyl Acetate	6.592	43	423320m	10.043	ug/l	
37) Carbon Tetrachloride	7.494	117	247142	8.351	ug/l	98
38) Methylcyclohexane	8.938	83	407456	9.901	ug/l	97
39) Benzene	7.786	78	1053911	10.439	ug/l #	86
40) Methacrylonitrile	6.836	41	204661	9.327	ug/l	94

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41) 1,2-Dichloroethane	7.869	62	264075	9.434	ug/l	98
42) Isopropyl Acetate	7.943	43	590364	9.898	ug/l	97
43) Trichloroethene	8.662	130	215509	9.784	ug/l	91
44) 1,2-Dichloropropane	8.970	63	236144	9.770	ug/l	91
45) Dibromomethane	9.073	93	137529	8.957	ug/l	93
46) Bromodichloromethane	9.291	83	265268	9.282	ug/l	97
47) Methyl methacrylate	9.079	41	264189	9.075	ug/l	99
48) 1,4-Dioxane	9.076	88	70197	187.703	ug/l	97
50) 4-Methyl-2-Pentanone	9.955	43	1782721	49.198	ug/l #	74
51) Toluene	10.141	92	581550	10.088	ug/l	82
52) t-1,3-Dichloropropene	10.398	75	232861	8.603	ug/l	97
53) cis-1,3-Dichloropropene	9.785	75	297634	9.064	ug/l	97
54) 1,1,2-Trichloroethane	10.603	97	200126	9.780	ug/l	90
55) Ethyl methacrylate	10.462	69	324928	9.232	ug/l	97
56) 1,3-Dichloropropane	10.764	76	332489	9.640	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.621	63	51128	46.225	ug/l	97
58) 2-Hexanone	10.825	43	1044376	51.818	ug/l	84
59) Dibromochloromethane	10.985	129	178288	9.263	ug/l	99
60) 1,2-Dibromoethane	11.104	107	173757	9.395	ug/l	98
63) Tetrachloroethene	10.684	164	176572	9.852	ug/l	93
64) Chlorobenzene	11.592	112	582509	10.262	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.675	131	170576	8.950	ug/l	97
66) Ethyl Benzene	11.682	91	1036246	10.919	ug/l #	76
67) m/p-Xylenes	11.807	106	800154	20.148	ug/l #	70
68) o-Xylene	12.179	106	387530	9.630	ug/l	92
69) Styrene	12.195	104	558036	9.424	ug/l	91
70) Bromoform	12.375	173	94227	9.169	ug/l #	97
72) Isopropylbenzene	12.522	105	955341	11.249	ug/l	91
73) N-amyl acetate	12.320	43	240542	7.845	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.805	83	251360	10.339	ug/l	98
75) 1,2,3-Trichloropropane	12.859	75	200967m	11.412	ug/l	
76) Bromobenzene	12.834	156	176777	9.509	ug/l	91
77) n-propylbenzene	12.907	91	1018792	11.189	ug/l	90
78) 2-Chlorotoluene	13.000	91	534464	9.940	ug/l	98
79) 1,3,5-Trimethylbenzene	13.068	105	664346	10.475	ug/l	97
80) trans-1,4-Dichloro-2-b...	12.577	75	50300	10.965	ug/l	88
81) 4-Chlorotoluene	13.113	91	466010	9.458	ug/l	98
82) tert-Butylbenzene	13.363	119	638725	10.772	ug/l	88
83) 1,2,4-Trimethylbenzene	13.414	105	581788	10.060	ug/l	100
84) sec-Butylbenzene	13.565	105	832806	10.920	ug/l	95
85) p-Isopropyltoluene	13.693	119	604442	10.199	ug/l	94
86) 1,3-Dichlorobenzene	13.690	146	267845	9.701	ug/l	96
87) 1,4-Dichlorobenzene	13.780	146	261772	9.842	ug/l	97
88) n-Butylbenzene	14.063	91	418585	9.885	ug/l	98
89) Hexachloroethane	14.361	117	94085	9.788	ug/l	96
90) 1,2-Dichlorobenzene	14.111	146	235410	10.153	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.797	75	23656	11.319	ug/l	96
92) 1,2,4-Trichlorobenzene	15.571	180	147227	9.665	ug/l	98
93) Hexachlorobutadiene	15.699	225	50307	10.019	ug/l	98
94) Naphthalene	15.853	128	398426	9.147	ug/l	99
95) 1,2,3-Trichlorobenzene	16.078	180	142602	9.647	ug/l	98

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

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