

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082025\
 Data File : VR026748.D
 Acq On : 20 Aug 2025 18:10
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ICVVR082025

Quant Time: Aug 21 09:02:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:59:04 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	7.388	168	2587383	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.389	114	4127474	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.563	117	3202473	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.758	152	1022028	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.770	65	1712217	52.695	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.400%			
34) Dibromofluoromethane	7.295	113	1424829	52.928	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.860%			
49) Toluene-d8	10.074	98	4558055	50.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.020%			
61) 4-Bromofluorobenzene	12.692	95	1361019	53.152	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.817	85	1194553	48.857	ug/l	99
3) Chloromethane	1.820	50	131896	45.341	ug/l	100
4) Vinyl Chloride	2.119	62	1740581	43.264	ug/l	99
5) Bromomethane	2.440	94	357875	28.975	ug/l	98
6) Chloroethane	2.565	64	908586	42.813	ug/l	99
7) Trichlorofluoromethane	2.860	101	3106472	39.833	ug/l	99
8) Diethyl Ether	3.232	74	1232629	49.409	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.537	101	1563826	50.182	ug/l	100
10) Methyl Iodide	3.710	142	1666914	50.329	ug/l	98
11) Tert butyl alcohol	4.500	59	1357047	271.672	ug/l #	85
12) 1,1-Dichloroethene	3.518	96	1731878	51.212	ug/l	99
13) Acrolein	3.406	56	736348	244.691	ug/l	97
14) Allyl chloride	4.044	41	3182199	51.060	ug/l	99
15) Acrylonitrile	4.654	53	5338880	249.905	ug/l	99
16) Acetone	3.605	43	3898114	226.643	ug/l	99
17) Carbon Disulfide	3.800	76	4487281	54.635	ug/l	100
18) Methyl Acetate	4.060	43	2538195	50.658	ug/l	100
19) Methyl tert-butyl Ether	4.718	73	5693122	53.078	ug/l	99
20) Methylene Chloride	4.250	84	1834897	50.015	ug/l	98
21) trans-1,2-Dichloroethene	4.692	96	1802306	50.973	ug/l	97
22) Diisopropyl ether	5.613	45	6430008	50.150	ug/l	97
23) Vinyl Acetate	5.543	43	17647526	227.868	ug/l	99
24) 1,1-Dichloroethane	5.488	63	3213553	50.933	ug/l	98
25) 2-Butanone	6.496	43	6496612	243.278	ug/l	99
26) 2,2-Dichloropropane	6.470	77	2217855	51.311	ug/l	99
27) cis-1,2-Dichloroethene	6.480	96	2080696	51.993	ug/l	100
28) Bromochloromethane	6.865	49	875910	46.907	ug/l	99
29) Chloroform	7.061	83	2953220	52.096	ug/l	98
30) Cyclohexane	7.369	56	3200518	48.102	ug/l	98
31) 1,1,1-Trichloroethane	7.276	97	2564527	55.713	ug/l	100
35) 1,1-Dichloropropene	7.516	75	2238221	53.390	ug/l	100
36) Ethyl Acetate	6.598	43	2743524	51.155	ug/l	100
37) Carbon Tetrachloride	7.497	117	2153738	57.091	ug/l	96
38) Methylcyclohexane	8.941	83	2721237	51.873	ug/l	99
39) Benzene	7.786	78	6503654	50.534	ug/l	98
40) Methacrylonitrile	6.839	41	1396410	49.921	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.872	62	1932916	54.167	ug/l	99
42) Isopropyl Acetate	7.943	43	4015532	52.812	ug/l	99
43) Trichloroethene	8.662	130	1423509	50.698	ug/l	99
44) 1,2-Dichloropropane	8.976	63	1574301	51.096	ug/l	97
45) Dibromomethane	9.073	93	1020269	52.127	ug/l	99
46) Bromodichloromethane	9.294	83	1970691	54.092	ug/l	99
47) Methyl methacrylate	9.082	41	1993351	53.713	ug/l	99
48) 1,4-Dioxane	9.079	88	524989	1101.199	ug/l	99
50) 4-Methyl-2-Pentanone	9.958	43	8062523	224.326	ug/l	100
51) Toluene	10.144	92	3746261	50.975	ug/l	100
52) t-1,3-Dichloropropene	10.401	75	1931672	55.980	ug/l	99
53) cis-1,3-Dichloropropene	9.785	75	2220076	53.033	ug/l	99
54) 1,1,2-Trichloroethane	10.603	97	1283717	49.212	ug/l	98
55) Ethyl methacrylate	10.465	69	2391293	53.296	ug/l	100
56) 1,3-Dichloropropane	10.767	76	2209090	50.244	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.628	63	734329	244.903	ug/l	99
58) 2-Hexanone	10.825	43	6260212	243.655	ug/l	100
59) Dibromochloromethane	10.985	129	1282150	52.256	ug/l	99
60) 1,2-Dibromoethane	11.101	107	1186481	50.327	ug/l	99
63) Tetrachloroethene	10.687	164	1113776	49.499	ug/l	97
64) Chlorobenzene	11.592	112	3600681	50.525	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.678	131	1291246	53.965	ug/l	98
66) Ethyl Benzene	11.685	91	5894889	49.473	ug/l	99
67) m/p-Xylenes	11.810	106	5239666	105.089	ug/l	100
68) o-Xylene	12.179	106	2686673	53.179	ug/l	99
69) Styrene	12.195	104	4126413	55.503	ug/l	99
70) Bromoform	12.375	173	719763	55.786	ug/l #	100
72) Isopropylbenzene	12.522	105	5366540	48.373	ug/l	99
73) N-amyl acetate	12.320	43	2429428	60.656	ug/l	100
74) 1,1,2,2-Tetrachloroethane	12.805	83	1652440	52.033	ug/l	99
75) 1,2,3-Trichloropropane	12.862	75	1288770m	51.155	ug/l	
76) Bromobenzene	12.833	156	1224619	50.430	ug/l	97
77) n-propylbenzene	12.910	91	5733852	48.210	ug/l	99
78) 2-Chlorotoluene	13.003	91	3634798	51.749	ug/l	100
79) 1,3,5-Trimethylbenzene	13.068	105	4266697	51.502	ug/l	99
80) trans-1,4-Dichloro-2-b...	12.573	75	472405	47.350	ug/l	100
81) 4-Chlorotoluene	13.113	91	3462298	53.798	ug/l	99
82) tert-Butylbenzene	13.366	119	3940676	50.879	ug/l	98
83) 1,2,4-Trimethylbenzene	13.414	105	4073083	53.919	ug/l	99
84) sec-Butylbenzene	13.565	105	4976517	49.954	ug/l	99
85) p-Isopropyltoluene	13.697	119	4063054	52.486	ug/l	100
86) 1,3-Dichlorobenzene	13.693	146	1838772	50.987	ug/l	99
87) 1,4-Dichlorobenzene	13.780	146	1724778	49.642	ug/l	99
88) n-Butylbenzene	14.066	91	2806646	50.743	ug/l	99
89) Hexachloroethane	14.364	117	674390	53.709	ug/l	99
90) 1,2-Dichlorobenzene	14.111	146	1436473	47.430	ug/l	100
91) 1,2-Dibromo-3-Chloropr...	14.804	75	164468	51.519	ug/l	97
92) 1,2,4-Trichlorobenzene	15.571	180	961695	48.330	ug/l	99
93) Hexachlorobutadiene	15.696	225	314318	47.923	ug/l	99
94) Naphthalene	15.853	128	2935101	51.586	ug/l	100
95) 1,2,3-Trichlorobenzene	16.074	180	936396	48.497	ug/l	99

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

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