

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR100325\
 Data File : VR026780.D
 Acq On : 3 Oct 2025 18:00
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ICVVR100325

Quant Time: Oct 04 04:50:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82R100325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 04 04:47:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

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

Internal Standards						
1) Pentafluorobenzene	7.778	168	1469317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.753	114	2392102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.902	117	2252772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.106	152	1524232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.160	65	868748	49.186	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.380%	
35) Dibromofluoromethane	7.701	113	660998	50.195	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.400%	
50) Toluene-d8	10.416	98	2829409	51.961	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.920%	
62) 4-Bromofluorobenzene	13.031	95	1173701	49.067	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.140%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.979	85	732775	52.078	ug/l	99
3) Chloromethane	2.190	50	852707	44.603	ug/l	99
4) Vinyl Chloride	2.319	62	629921	46.617	ug/l	100
5) Bromomethane	2.666	94	140581	33.406	ug/l	91
6) Chloroethane	2.807	64	331842	44.370	ug/l	93
7) Trichlorofluoromethane	3.142	101	1083494	47.030	ug/l	98
8) Diethyl Ether	3.553	74	509662	48.730	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.894	101	674253	47.989	ug/l	98
10) Methyl Iodide	4.082	142	1020619	49.621	ug/l	99
11) Tert butyl alcohol	4.946	59	1034173	241.149	ug/l	99
12) 1,1-Dichloroethene	3.871	96	725845	49.247	ug/l	96
13) Acrolein	3.741	56	1007128	231.772	ug/l	98
14) Allyl chloride	4.458	41	1505763	49.602	ug/l	99
15) Acrylonitrile	5.116	53	2763181	238.324	ug/l	100
16) Acetone	3.959	43	2441364	207.815	ug/l	99
17) Carbon Disulfide	4.182	76	1887022	55.416	ug/l	100
18) Methyl Acetate	4.464	43	1348823	47.711	ug/l	99
19) Methyl tert-butyl Ether	5.193	73	2524093	49.764	ug/l	97
20) Methylene Chloride	4.676	84	806464	45.011	ug/l	99
21) trans-1,2-Dichloroethene	5.169	96	765280	47.988	ug/l	96
22) Diisopropyl ether	6.080	45	2823104	48.968	ug/l	98
23) Vinyl Acetate	6.003	43	8900660	229.545	ug/l	98
24) 1,1-Dichloroethane	5.956	63	1401198	48.396	ug/l	99
25) 2-Butanone	6.943	43	3955345	236.219	ug/l	97
26) 2,2-Dichloropropane	6.938	77	1056034	50.268	ug/l	100
27) cis-1,2-Dichloroethene	6.938	96	916133	49.813	ug/l	98
28) Bromochloromethane	7.302	49	690738	47.782	ug/l #	98
29) Tetrahydrofuran	7.331	42	2706143	248.312	ug/l	99
30) Chloroform	7.478	83	1350566	48.537	ug/l	99
31) Cyclohexane	7.784	56	1422765	46.991	ug/l	99
32) 1,1,1-Trichloroethane	7.690	97	1189311	50.700	ug/l	99
36) 1,1-Dichloropropene	7.919	75	1039127	48.983	ug/l	99
37) Ethyl Acetate	7.043	43	1488953	48.111	ug/l	99
38) Carbon Tetrachloride	7.907	117	983252	52.809	ug/l	98
39) Methylcyclohexane	9.305	83	1369685	50.415	ug/l	99
40) Benzene	8.183	78	3267237	49.220	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.273	41	779837	47.025	ug/l	94
42) 1,2-Dichloroethane	8.260	62	1038218	47.599	ug/l	100
43) Isopropyl Acetate	8.307	43	2278830	52.440	ug/l	99
44) Trichloroethene	9.029	130	796053	48.324	ug/l	96
45) 1,2-Dichloropropane	9.335	63	770010	49.309	ug/l	97
46) Dibromomethane	9.435	93	515848	49.574	ug/l	99
47) Bromodichloromethane	9.640	83	1031415	51.790	ug/l	99
48) Methyl methacrylate	9.423	41	1147337	51.132	ug/l	99
49) 1,4-Dioxane	9.429	88	506517	953.297	ug/l	99
51) 4-Methyl-2-Pentanone	10.293	43	6428039	224.919	ug/l	98
52) Toluene	10.486	92	2156164	49.832	ug/l	100
53) t-1,3-Dichloropropene	10.733	75	1207155	53.859	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	1283916	54.542	ug/l	100
55) 1,1,2-Trichloroethane	10.939	97	758534	49.584	ug/l	97
56) Ethyl methacrylate	10.786	69	1495855	52.666	ug/l	99
57) 1,3-Dichloropropane	11.103	76	1384256	49.940	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.964	63	907217	251.116	ug/l	100
59) 2-Hexanone	11.150	43	5557406	225.339	ug/l	98
60) Dibromochloromethane	11.327	129	802904	54.368	ug/l	98
61) 1,2-Dibromoethane	11.450	107	790896	48.558	ug/l	98
64) Tetrachloroethene	11.027	164	737468	49.286	ug/l	97
65) Chlorobenzene	11.932	112	2443611	49.030	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.014	131	750076	51.888	ug/l	99
67) Ethyl Benzene	12.020	91	4133850	49.853	ug/l	99
68) m/p-Xylenes	12.143	106	3393193	100.135	ug/l	98
69) o-Xylene	12.519	106	1694152	51.216	ug/l	99
70) Styrene	12.537	104	2976857	51.156	ug/l	100
71) Bromoform	12.725	173	616385	48.889	ug/l	99
73) Isopropylbenzene	12.860	105	4170793	50.600	ug/l	100
74) N-amyl acetate	12.643	43	2412803	52.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.142	83	1362364	49.892	ug/l	99
76) 1,2,3-Trichloropropane	13.201	75	1182477m	46.610	ug/l	
77) Bromobenzene	13.183	156	1119743	48.863	ug/l	100
78) n-propylbenzene	13.248	91	4980260	49.004	ug/l	100
79) 2-Chlorotoluene	13.348	91	3210396	50.674	ug/l	100
80) 1,3,5-Trimethylbenzene	13.407	105	3792420	50.867	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.907	75	478967	54.339	ug/l	99
82) 4-Chlorotoluene	13.459	91	3399042	48.542	ug/l	100
83) tert-Butylbenzene	13.706	119	3403560	51.215	ug/l	100
84) 1,2,4-Trimethylbenzene	13.759	105	4004726	50.056	ug/l	100
85) sec-Butylbenzene	13.912	105	4787912	49.550	ug/l	99
86) p-Isopropyltoluene	14.035	119	4356554	49.663	ug/l	99
87) 1,3-Dichlorobenzene	14.041	146	2422461	47.919	ug/l	99
88) 1,4-Dichlorobenzene	14.129	146	2548570	47.917	ug/l	100
89) n-Butylbenzene	14.405	91	4276903	49.823	ug/l	99
90) Hexachloroethane	14.723	117	666288	56.916	ug/l	99
91) 1,2-Dichlorobenzene	14.464	146	2493221	49.429	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	15.169	75	402174	58.073	ug/l	98
93) 1,2,4-Trichlorobenzene	15.980	180	1846742	50.569	ug/l	100
94) Hexachlorobutadiene	16.109	225	765369	48.545	ug/l	99
95) Naphthalene	16.286	128	6085414	58.190	ug/l	99
96) 1,2,3-Trichlorobenzene	16.527	180	1804669	51.096	ug/l	99

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

