

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
 Data File : VR026786.D
 Acq On : 22 Oct 2025 15:25
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 24 09:19:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R102225W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 09:15:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.808	168	821343	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.783	114	1519765	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.944	117	1566808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.147	152	1042984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.190	65	654124	102.074	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	204.140%	
35) Dibromofluoromethane	7.743	113	617830	98.898	ug/l	0.00
Spiked Amount 50.000			Recovery	=	197.800%	
50) Toluene-d8	10.452	98	1710453	98.144	ug/l	0.00
Spiked Amount 50.000			Recovery	=	196.280%	
62) 4-Bromofluorobenzene	13.072	95	1325090	115.470	ug/l	0.00
Spiked Amount 50.000			Recovery	=	230.940%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	668151	108.697	ug/l	100
3) Chloromethane	2.196	50	791206	102.260	ug/l	97
4) Vinyl Chloride	2.332	62	862981	92.703	ug/l	90
5) Bromomethane	2.672	94	472645	79.333	ug/l	97
6) Chloroethane	2.784	64	486221	72.706	ug/l	91
7) Trichlorofluoromethane	3.119	101	1295381	102.313	ug/l	98
8) Diethyl Ether	3.577	74	617678	100.754	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	811358	101.679	ug/l	98
10) Methyl Iodide	4.094	142	1054433	115.692	ug/l	99
11) Tert butyl alcohol	5.028	59	1849849	587.952	ug/l	99
12) 1,1-Dichloroethene	3.877	96	789005	99.164	ug/l	90
13) Acrolein	3.759	56	1013363	487.385	ug/l	96
14) Allyl chloride	4.476	41	1750753	105.188	ug/l	99
15) Acrylonitrile	5.158	53	3632053	522.535	ug/l	98
16) Acetone	3.994	43	3834215	501.969	ug/l	96
17) Carbon Disulfide	4.200	76	1464255	101.217	ug/l	96
18) Methyl Acetate	4.500	43	2385327	108.131	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	3443335	101.744	ug/l	100
20) Methylene Chloride	4.705	84	990524	99.374	ug/l	97
21) trans-1,2-Dichloroethene	5.205	96	811039	100.219	ug/l	99
22) Diisopropyl ether	6.115	45	3533096	99.295	ug/l	95
23) Vinyl Acetate	6.039	43	10464008	446.704	ug/l #	90
24) 1,1-Dichloroethane	5.986	63	1774618	98.021	ug/l	98
25) 2-Butanone	6.991	43	5505169	488.539	ug/l	95
26) 2,2-Dichloropropane	6.967	77	1616177	104.490	ug/l	98
27) cis-1,2-Dichloroethene	6.967	96	1135305	100.398	ug/l	98
28) Bromochloromethane	7.338	49	929674	113.647	ug/l	99
29) Tetrahydrofuran	7.367	42	3221814	518.003	ug/l	99
30) Chloroform	7.514	83	1783199	101.701	ug/l	100
31) Cyclohexane	7.819	56	1414751	93.449	ug/l	93
32) 1,1,1-Trichloroethane	7.725	97	1487786	102.538	ug/l	97
36) 1,1-Dichloropropene	7.954	75	1178225	98.184	ug/l	97
37) Ethyl Acetate	7.079	43	1773701	100.893	ug/l	100
38) Carbon Tetrachloride	7.937	117	1177014	105.182	ug/l	99
39) Methylcyclohexane	9.335	83	1515547	100.432	ug/l	98
40) Benzene	8.213	78	3981207	99.041	ug/l	98

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41) Methacrylonitrile	7.308	41	1047873	101.123	ug/l	97
42) 1,2-Dichloroethane	8.295	62	1314067	99.770	ug/l	99
43) Isopropyl Acetate	8.342	43	3045591	103.455	ug/l	94
44) Trichloroethene	9.059	130	969150	101.020	ug/l	99
45) 1,2-Dichloropropane	9.365	63	1079647	102.850	ug/l	91
46) Dibromomethane	9.464	93	703206	100.932	ug/l	100
47) Bromodichloromethane	9.676	83	1494012	103.071	ug/l	97
48) Methyl methacrylate	9.453	41	1510020	109.158	ug/l	99
49) 1,4-Dioxane	9.470	88	718948	2361.686	ug/l	97
51) 4-Methyl-2-Pentanone	10.328	43	9027579	467.692	ug/l	87
52) Toluene	10.522	92	2722740	100.543	ug/l	95
53) t-1,3-Dichloropropene	10.769	75	1802588	108.986	ug/l	98
54) cis-1,3-Dichloropropene	10.164	75	1777716	103.318	ug/l	98
55) 1,1,2-Trichloroethane	10.975	97	1151160	105.226	ug/l	97
56) Ethyl methacrylate	10.822	69	2271105	112.130	ug/l	98
57) 1,3-Dichloropropane	11.139	76	1935185	105.462	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.999	63	720959	499.423	ug/l	97
59) 2-Hexanone	11.192	43	8044572	476.570	ug/l	89
60) Dibromochloromethane	11.362	129	1265089	113.102	ug/l	98
61) 1,2-Dibromoethane	11.486	107	1132092	104.025	ug/l	100
64) Tetrachloroethene	11.063	164	781812	95.011	ug/l	95
65) Chlorobenzene	11.967	112	3347825	96.028	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.056	131	1091313	101.509	ug/l	100
67) Ethyl Benzene	12.056	91	5481542	93.947	ug/l	95
68) m/p-Xylenes	12.179	106	4343320	189.671	ug/l	92
69) o-Xylene	12.555	106	2296707	100.088	ug/l	98
70) Styrene	12.573	104	4267276	101.652	ug/l	97
71) Bromoform	12.761	173	1056419	119.027	ug/l #	98
73) Isopropylbenzene	12.896	105	5750379	94.377	ug/l	96
74) N-amyl acetate	12.678	43	3615146	106.429	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.178	83	2555950	113.418	ug/l	99
76) 1,2,3-Trichloropropane	13.243	75	2237052m	118.387	ug/l	
77) Bromobenzene	13.219	156	1568730	105.452	ug/l	98
78) n-propylbenzene	13.290	91	7053583	93.803	ug/l	95
79) 2-Chlorotoluene	13.389	91	4756551	105.992	ug/l	100
80) 1,3,5-Trimethylbenzene	13.442	105	5460380	102.096	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.949	75	935015	115.630	ug/l	97
82) 4-Chlorotoluene	13.495	91	5032791	106.842	ug/l	99
83) tert-Butylbenzene	13.748	119	5208704	102.650	ug/l	96
84) 1,2,4-Trimethylbenzene	13.795	105	5864359	100.989	ug/l	98
85) sec-Butylbenzene	13.948	105	7108015	97.235	ug/l	94
86) p-Isopropyltoluene	14.077	119	6344727	100.044	ug/l	95
87) 1,3-Dichlorobenzene	14.083	146	3468901	102.511	ug/l	98
88) 1,4-Dichlorobenzene	14.171	146	3599118	102.470	ug/l	99
89) n-Butylbenzene	14.447	91	6385843	102.908	ug/l	94
90) Hexachloroethane	14.764	117	1272652	123.948	ug/l	98
91) 1,2-Dichlorobenzene	14.506	146	3483546	100.428	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	15.211	75	556286	107.364	ug/l	94
93) 1,2,4-Trichlorobenzene	16.028	180	2424141	110.248	ug/l	99
94) Hexachlorobutadiene	16.157	225	838630	107.316	ug/l	97
95) Naphthalene	16.333	128	7571815	109.812	ug/l	98
96) 1,2,3-Trichlorobenzene	16.574	180	2347846	108.397	ug/l	98

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

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