

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
 Data File : VR026785.D
 Acq On : 22 Oct 2025 14:43
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 09:18:23 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

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

Internal Standards						
1) Pentafluorobenzene	7.825	168	841334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.795	114	1576563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.944	117	1517970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.147	152	999696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.201	65	320459	48.818	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.640%	
35) Dibromofluoromethane	7.743	113	302404	46.663	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.320%	
50) Toluene-d8	10.452	98	846942	46.846	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.700%	
62) 4-Bromofluorobenzene	13.072	95	551265	46.307	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.620%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.997	85	324243	51.495	ug/l	100
3) Chloromethane	2.202	50	409321	51.646	ug/l	100
4) Vinyl Chloride	2.337	62	472052	49.504	ug/l	100
5) Bromomethane	2.684	94	258586	42.372	ug/l	100
6) Chloroethane	2.819	64	369873	53.994	ug/l	100
7) Trichlorofluoromethane	3.160	101	627987	48.422	ug/l	100
8) Diethyl Ether	3.583	74	319587	50.892	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.924	101	417387	51.064	ug/l	100
10) Methyl Iodide	4.118	142	535101	57.316	ug/l	100
11) Tert butyl alcohol	4.993	59	866502	268.863	ug/l	100
12) 1,1-Dichloroethene	3.900	96	404657	49.650	ug/l	100
13) Acrolein	3.771	56	549679	258.091	ug/l	100
14) Allyl chloride	4.494	41	909931	53.371	ug/l	100
15) Acrylonitrile	5.164	53	1912452	268.602	ug/l	100
16) Acetone	3.994	43	1963599	249.096	ug/l	100
17) Carbon Disulfide	4.218	76	746038	50.345	ug/l	100
18) Methyl Acetate	4.505	43	1268568	56.140	ug/l	100
19) Methyl tert-butyl Ether	5.240	73	1764553	50.900	ug/l	100
20) Methylene Chloride	4.717	84	504781	49.439	ug/l	100
21) trans-1,2-Dichloroethene	5.216	96	416712	50.269	ug/l	100
22) Diisopropyl ether	6.121	45	1858200	50.982	ug/l	100
23) Vinyl Acetate	6.051	43	6012005	250.552	ug/l	100
24) 1,1-Dichloroethane	6.004	63	931960	50.253	ug/l	100
25) 2-Butanone	6.991	43	2781101	240.936	ug/l	100
26) 2,2-Dichloropropane	6.985	77	801390	50.581	ug/l	100
27) cis-1,2-Dichloroethene	6.979	96	573066	49.473	ug/l	100
28) Bromochloromethane	7.343	49	460315	54.934	ug/l	100
29) Tetrahydrofuran	7.373	42	1644149	258.065	ug/l	100
30) Chloroform	7.520	83	923017	51.392	ug/l	100
31) Cyclohexane	7.825	56	728943	47.005	ug/l	100
32) 1,1,1-Trichloroethane	7.737	97	769894	51.800	ug/l	100
36) 1,1-Dichloropropene	7.960	75	612604	49.211	ug/l	100
37) Ethyl Acetate	7.079	43	913506	50.091	ug/l	100
38) Carbon Tetrachloride	7.943	117	588563	50.701	ug/l	100
39) Methylcyclohexane	9.347	83	771581	49.289	ug/l	100
40) Benzene	8.219	78	2062076	49.450	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
 Data File : VR026785.D
 Acq On : 22 Oct 2025 14:43
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 09:18:23 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	549198	51.090	ug/l	100
42) 1,2-Dichloroethane	8.301	62	710015	51.966	ug/l	100
43) Isopropyl Acetate	8.342	43	1570148	51.415	ug/l	100
44) Trichloroethene	9.071	130	487622	48.996	ug/l	100
45) 1,2-Dichloropropane	9.370	63	531851	48.840	ug/l	100
46) Dibromomethane	9.470	93	363768	50.331	ug/l	100
47) Bromodichloromethane	9.682	83	764890	50.868	ug/l	100
48) Methyl methacrylate	9.459	41	735116	51.226	ug/l	100
49) 1,4-Dioxane	9.464	88	330226	1045.685	ug/l	100
51) 4-Methyl-2-Pentanone	10.328	43	5148280	257.108	ug/l	100
52) Toluene	10.528	92	1379246	49.097	ug/l	100
53) t-1,3-Dichloropropene	10.769	75	882892	51.457	ug/l	100
54) cis-1,3-Dichloropropene	10.164	75	914614	51.241	ug/l	100
55) 1,1,2-Trichloroethane	10.974	97	567160	49.975	ug/l	100
56) Ethyl methacrylate	10.822	69	1054395	50.183	ug/l	100
57) 1,3-Dichloropropane	11.139	76	942066	49.490	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.999	63	294310	254.349	ug/l	100
59) 2-Hexanone	11.186	43	4474849	255.545	ug/l	100
60) Dibromochloromethane	11.362	129	587503	50.632	ug/l	100
61) 1,2-Dibromoethane	11.486	107	555907	49.241	ug/l	100
64) Tetrachloroethene	11.068	164	401246	50.331	ug/l	100
65) Chlorobenzene	11.973	112	1666819	49.349	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.056	131	523145	50.226	ug/l	100
67) Ethyl Benzene	12.056	91	2841799	50.272	ug/l	100
68) m/p-Xylenes	12.179	106	2234964	100.740	ug/l	100
69) o-Xylene	12.555	106	1132258	50.930	ug/l	100
70) Styrene	12.573	104	2055976	50.552	ug/l	100
71) Bromoform	12.761	173	449522	52.277	ug/l #	100
73) Isopropylbenzene	12.896	105	2926379	50.108	ug/l	100
74) N-amyl acetate	12.678	43	1619617	49.746	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.178	83	1120677	51.882	ug/l	100
76) 1,2,3-Trichloropropane	13.237	75	974125m	53.784	ug/l	
77) Bromobenzene	13.219	156	710342	49.818	ug/l	100
78) n-propylbenzene	13.289	91	3575026	49.601	ug/l	100
79) 2-Chlorotoluene	13.389	91	2157450	50.157	ug/l	100
80) 1,3,5-Trimethylbenzene	13.442	105	2572332	50.179	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.949	75	403062	52.004	ug/l	100
82) 4-Chlorotoluene	13.495	91	2257542	50.001	ug/l	100
83) tert-Butylbenzene	13.748	119	2373752	48.806	ug/l	100
84) 1,2,4-Trimethylbenzene	13.795	105	2800438	50.314	ug/l	100
85) sec-Butylbenzene	13.948	105	3527704	50.347	ug/l	100
86) p-Isopropyltoluene	14.077	119	3060267	50.344	ug/l	100
87) 1,3-Dichlorobenzene	14.083	146	1601335	49.371	ug/l	100
88) 1,4-Dichlorobenzene	14.171	146	1670153	49.610	ug/l	100
89) n-Butylbenzene	14.447	91	3099271	52.107	ug/l	100
90) Hexachloroethane	14.764	117	507485	51.566	ug/l	100
91) 1,2-Dichlorobenzene	14.506	146	1697969	51.071	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	15.211	75	266634	53.689	ug/l	100
93) 1,2,4-Trichlorobenzene	16.033	180	1178373	55.912	ug/l	100
94) Hexachlorobutadiene	16.157	225	379584	50.677	ug/l	100
95) Naphthalene	16.339	128	3788371	57.321	ug/l	100
96) 1,2,3-Trichlorobenzene	16.580	180	1151760	55.478	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
Data File : VR026785.D
Acq On : 22 Oct 2025 14:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

Quant Time: Oct 24 09:18:23 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

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

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

