

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026703.D
 Acq On : 5 Aug 2025 9:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/06/2025
 Supervised By :Semsettin Yesilyurt 08/06/2025

Quant Time: Aug 06 01:17:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.292	168	547229	50.000	ug/l	-0.01
33) 1,4-Difluorobenzene	8.322	114	969747	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.534	117	756275	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.735	152	367384	50.000	ug/l	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.680	65	344773	49.779	ug/l	-0.02
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.560%		
34) Dibromofluoromethane	7.199	113	297619	49.620	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.240%		
49) Toluene-d8	10.029	98	1174538	54.659	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	109.320%		
61) 4-Bromofluorobenzene	12.670	95	333484	54.563	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	109.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.663	85	172453	43.240	ug/l	96
3) Chloromethane	1.843	50	290681	49.031	ug/l	100
4) Vinyl Chloride	1.958	62	334607	55.232	ug/l	97
5) Bromomethane	2.295	94	165268	55.984	ug/l	97
6) Chloroethane	2.424	64	215213	55.172	ug/l	95
7) Trichlorofluoromethane	2.713	101	641658	58.763	ug/l	96
8) Diethyl Ether	3.072	74	221451	45.708	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.377	101	267609	45.430	ug/l	98
10) Methyl Iodide	3.544	142	255359	44.917	ug/l #	94
11) Tert butyl alcohol	4.317	59	245025	226.112	ug/l #	85
12) 1,1-Dichloroethene	3.354	96	260703	44.786	ug/l	98
13) Acrolein	3.242	56	406586	256.673	ug/l	98
14) Allyl chloride	3.881	41	520445	45.445	ug/l	94
15) Acrylonitrile	4.468	53	1088457	253.037	ug/l	98
16) Acetone	3.435	43	778925	239.618	ug/l #	86
17) Carbon Disulfide	3.640	76	356012	41.316	ug/l	99
18) Methyl Acetate	3.890	43	703145	51.826	ug/l	97
19) Methyl tert-butyl Ether	4.548	73	1082148	46.453	ug/l	99
20) Methylene Chloride	4.080	84	344870	44.705	ug/l	97
21) trans-1,2-Dichloroethene	4.526	96	293712	45.898	ug/l	96
22) Diisopropyl ether	5.463	45	1360148	50.683	ug/l #	96
23) Vinyl Acetate	5.382	43	4107649	268.447	ug/l	95
24) 1,1-Dichloroethane	5.325	63	629432	46.315	ug/l	99
25) 2-Butanone	6.364	43	1269257	252.267	ug/l	96
26) 2,2-Dichloropropane	6.345	77	429449	45.710	ug/l	98
27) cis-1,2-Dichloroethene	6.345	96	384060	46.650	ug/l	96
28) Bromochloromethane	6.740	49	241159	49.244	ug/l	94
29) Chloroform	6.948	83	573540	48.719	ug/l	99
30) Cyclohexane	7.279	56	499401	45.502	ug/l	92
31) 1,1,1-Trichloroethane	7.176	97	415376	48.845	ug/l	97
35) 1,1-Dichloropropene	7.426	75	366900	48.489	ug/l	97
36) Ethyl Acetate	6.470	43	474732	52.406	ug/l	99
37) Carbon Tetrachloride	7.401	117	303126	49.189	ug/l	97
38) Methylcyclohexane	8.883	83	414441	47.849	ug/l	92
39) Benzene	7.699	78	1373771	50.415	ug/l	99
40) Methacrylonitrile	6.717	41	293024	52.050	ug/l #	73

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.789	62	350231	50.532	ug/l	98
42) Isopropyl Acetate	7.863	43	766527	52.625	ug/l	97
43) Trichloroethene	8.601	130	258629	49.354	ug/l	100
44) 1,2-Dichloropropane	8.919	63	322561	50.022	ug/l	98
45) Dibromomethane	9.018	93	178545	49.787	ug/l	97
46) Bromodichloromethane	9.239	83	350360	50.423	ug/l	97
47) Methyl methacrylate	9.028	41	344203	53.992	ug/l	97
48) 1,4-Dioxane	9.018	88	108880	1060.278	ug/l	94
50) 4-Methyl-2-Pentanone	9.913	43	2174065	285.895	ug/l	96
51) Toluene	10.103	92	748591	53.816	ug/l	98
52) t-1,3-Dichloropropene	10.363	75	365720	53.700	ug/l	97
53) cis-1,3-Dichloropropene	9.743	75	434188	53.151	ug/l	97
54) 1,1,2-Trichloroethane	10.568	97	276448	54.418	ug/l	99
55) Ethyl methacrylate	10.427	69	465640	55.504	ug/l	97
56) 1,3-Dichloropropane	10.732	76	468909	54.191	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.586	63	151850	327.536	ug/l	99
58) 2-Hexanone	10.789	43	1442273	281.339	ug/l	99
59) Dibromochloromethane	10.953	129	240369	55.909	ug/l	98
60) 1,2-Dibromoethane	11.069	107	243377	55.665	ug/l	100
63) Tetrachloroethene	10.651	164	211010	51.075	ug/l	94
64) Chlorobenzene	11.559	112	791201	50.269	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.653	131	227300	52.874	ug/l	97
66) Ethyl Benzene	11.656	91	1369709	52.119	ug/l	97
67) m/p-Xylenes	11.781	106	1089528	103.769	ug/l	99
68) o-Xylene	12.156	106	540327	53.014	ug/l	96
69) Styrene	12.169	104	915846	53.772	ug/l	99
70) Bromoform	12.352	173	129255	53.126	ug/l #	100
72) Isopropylbenzene	12.496	105	1295078	49.458	ug/l	99
73) N-amyl acetate	12.298	43	515310	49.633	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.782	83	380748	49.559	ug/l	99
75) 1,2,3-Trichloropropane	12.843	75	259599m	42.629	ug/l	
76) Bromobenzene	12.811	156	293575	48.446	ug/l	98
77) n-propylbenzene	12.885	91	1584511	50.719	ug/l	100
78) 2-Chlorotoluene	12.981	91	852787	48.113	ug/l	97
79) 1,3,5-Trimethylbenzene	13.048	105	1018835	49.756	ug/l	99
80) trans-1,4-Dichloro-2-b...	12.551	75	104257	49.863	ug/l	96
81) 4-Chlorotoluene	13.093	91	866162	47.836	ug/l	97
82) tert-Butylbenzene	13.344	119	944805	50.728	ug/l	96
83) 1,2,4-Trimethylbenzene	13.395	105	1036943	51.159	ug/l	99
84) sec-Butylbenzene	13.546	105	1436947	52.024	ug/l	100
85) p-Isopropyltoluene	13.677	119	1158626	51.447	ug/l	98
86) 1,3-Dichlorobenzene	13.668	146	592528	49.875	ug/l	97
87) 1,4-Dichlorobenzene	13.761	146	585764	49.123	ug/l	98
88) n-Butylbenzene	14.046	91	1075791	51.828	ug/l	99
89) Hexachloroethane	14.351	117	159214	49.232	ug/l	95
90) 1,2-Dichlorobenzene	14.088	146	561139	50.290	ug/l	97
91) 1,2-Dibromo-3-Chloropr...	14.784	75	48698	47.601	ug/l	98
92) 1,2,4-Trichlorobenzene	15.548	180	331259	49.648	ug/l	98
93) Hexachlorobutadiene	15.680	225	101522	46.831	ug/l	99
94) Naphthalene	15.831	128	996621	48.743	ug/l	99
95) 1,2,3-Trichlorobenzene	16.058	180	319579	50.452	ug/l	98

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

