

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044663.D
 Acq On : 16 Jan 2025 10:12
 Operator :
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 17 01:03:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

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

Internal Standards						
1) Bromochloromethane	4.891	128	30265	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	168670	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	142579	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	86477	29.598	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.667%	
60) 4-Bromofluorobenzene	11.079	95	83031	29.982	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.933%	
63) Toluene-d8	8.647	98	229453	29.588	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	98.633%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	395126	162.568	ug/l	98
3) Chloromethane	1.301	50	398267	140.701	ug/l	99
4) Vinyl Chloride	1.374	62	401934	145.127	ug/l	98
5) Bromomethane	1.593	94	97919	146.415	ug/l	99
6) Chloroethane	1.660	64	69505	155.413	ug/l	94
7) Trichlorofluoromethane	1.867	101	443749	146.306	ug/l	98
8) Diethyl Ether	2.136	74	171385	146.474	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	319509	147.041	ug/l	99
10) 1,1-Dichloroethene	2.306	96	322881	144.428	ug/l	93
11) Methyl Iodide	2.441	142	448651	144.827	ug/l	96
12) Methyl Acetate	2.703	43	477398	146.278	ug/l	100
13) Acrolein	2.239	56	253627	702.790	ug/l	98
14) Acrylonitrile	3.068	53	815430	685.671	ug/l	100
15) Acetone	2.386	58	221043	692.682	ug/l	91
16) Carbon Disulfide	2.502	76	918806	147.895	ug/l	100
17) Allyl chloride	2.654	41	585850	145.319	ug/l	99
18) Methylene Chloride	2.782	84	359344	143.590	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	316848	142.541	ug/l	98
20) Diisopropyl ether	3.764	45	1015552	138.787	ug/l #	87
21) 1,1-Dichloroethane	3.599	63	630418	145.234	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	396803	144.228	ug/l	98
23) tert-Butyl Alcohol	3.044	59	372252m	721.506	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	1099111	141.899	ug/l	98
25) Chloroform	5.086	83	618756	143.460	ug/l	97
26) Cyclohexane	5.458	56	512956	140.607	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	422203	143.910	ug/l	99
30) 2-Butanone	4.556	43	1096527	680.393	ug/l	100
31) 2,2-Dichloropropane	4.465	77	574023	141.392	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	551364	141.813	ug/l	98
33) Carbon Tetrachloride	5.666	117	464930	141.758	ug/l	99
34) Benzene	6.031	78	1317009	140.704	ug/l	99
35) Methacrylonitrile	4.922	41	252183	140.009	ug/l	97
36) 1,2-Dichloroethane	6.080	62	475153	141.982	ug/l	99
37) Trichloroethene	7.117	130	331784	146.814	ug/l	96
38) Methylcyclohexane	7.373	83	573341	143.834	ug/l	100
39) 1,2-Dichloropropane	7.421	63	331963	142.224	ug/l	99
40) Dibromomethane	7.574	93	248648	143.290	ug/l	99
41) Bromodichloromethane	7.818	83	504431	140.783	ug/l	99
42) Vinyl Acetate	3.721	43	4362962	681.685	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	450860	142.615	ug/l	# 94
44) Isopropyl Acetate	6.336	43	808776	142.404	ug/l	99
45) 1,4-Dioxane	7.671	88	138476	2560.521	ug/l	97
46) Methyl methacrylate	7.690	41	389600	140.143	ug/l	98
47) n-amyl Acetate	10.841	43	646879	135.718	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	535738	141.659	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	565857	139.536	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	299288	133.695	ug/l	99
51) Ethyl methacrylate	9.116	69	531002	136.772	ug/l	98
52) 1,3-Dichloropropane	9.305	76	526192	136.132	ug/l	99
53) Dibromochloromethane	9.519	129	360540	135.007	ug/l	97
54) 1,2-Dibromoethane	9.604	107	320334	135.590	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	1273435	676.879	ug/l	99
56) Bromoform	10.799	173	241837	136.568	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	2037971	678.112	ug/l	100
59) 2-Hexanone	9.433	43	1486312	675.525	ug/l	100
61) Tetrachloroethene	9.269	164	247777	144.876	ug/l	98
62) Toluene	8.714	91	1318975	140.491	ug/l	99
64) Chlorobenzene	10.073	112	824684	141.439	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	297569	142.074	ug/l	99
66) Ethyl Benzene	10.189	91	1447790	141.307	ug/l	99
67) m/p-Xylenes	10.299	106	1025226	272.222	ug/l	100
68) o-Xylene	10.640	106	517475	136.901	ug/l	99
69) Styrene	10.653	104	852764	137.409	ug/l	98
70) Isopropylbenzene	10.957	105	1303283	137.153	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	432603	135.197	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	369195m	137.376	ug/l	
73) Bromobenzene	11.195	156	311401	140.672	ug/l	99
74) n-propylbenzene	11.305	91	1515701	140.333	ug/l	100
75) 2-Chlorotoluene	11.360	91	939369	138.367	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	1038367	134.557	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	178978	140.770	ug/l	98
78) 4-Chlorotoluene	11.451	91	1032107	138.039	ug/l	100
79) tert-butylbenzene	11.713	119	1066193	134.489	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	1063526	136.597	ug/l	99
81) sec-Butylbenzene	11.890	105	1304251	137.776	ug/l	100
82) p-Isopropyltoluene	12.006	119	1083858	139.117	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	562506	143.062	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	552693	143.387	ug/l	100
85) n-Butylbenzene	12.329	91	983220	145.585	ug/l	99
86) Hexachloroethane	12.536	117	238874	139.374	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	537434	136.879	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	106892	138.929	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	374862	153.630	ug/l	100
90) Hexachlorobutadiene	13.725	225	138461	146.704	ug/l	98
91) Naphthalene	13.774	128	1323609	144.994	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	371865	149.840	ug/l	99

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

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