

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010825\
 Data File : VX044637.D
 Acq On : 09 Jan 2025 01:18
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 09 01:45:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 09 01:07:24 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/09/2025
 Supervised By : Semsettin Yesilyurt 01/09/2025

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

Internal Standards						
1) Bromochloromethane	4.891	128	28425	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	150132	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	157497	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	94578	38.198	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 127.333%#			
60) 4-Bromofluorobenzene	11.079	95	87948	31.902	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 106.333%			
63) Toluene-d8	8.647	98	255591	33.862	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 112.867%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	263574	144.160	ug/l	97
3) Chloromethane	1.294	50	261221	105.032	ug/l	97
4) Vinyl Chloride	1.374	62	250133	107.235	ug/l	97
5) Bromomethane	1.599	94	123926	170.249	ug/l	93
6) Chloroethane	1.666	64	120355	152.869	ug/l	99
7) Trichlorofluoromethane	1.874	101	383388	156.373	ug/l	95
8) Diethyl Ether	2.136	74	140206	127.667	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	202317	105.403	ug/l	100
10) 1,1-Dichloroethene	2.313	96	202801	104.192	ug/l	94
11) Methyl Iodide	2.447	142	288486	125.414	ug/l	95
12) Methyl Acetate	2.703	43	283734	83.968	ug/l	97
13) Acrolein	2.233	56	266314	469.018	ug/l	99
14) Acrylonitrile	3.062	53	539961	417.863	ug/l	99
15) Acetone	2.386	58	131114	374.818	ug/l	100
16) Carbon Disulfide	2.508	76	490823	90.118	ug/l	100
17) Allyl chloride	2.660	41	366965	98.907	ug/l	97
18) Methylene Chloride	2.788	84	232188	102.493	ug/l	99
19) trans-1,2-Dichloroethene	3.087	96	209781	101.783	ug/l	98
20) Diisopropyl ether	3.757	45	744594	100.468	ug/l	98
21) 1,1-Dichloroethane	3.605	63	417263	103.625	ug/l	99
22) cis-1,2-Dichloroethene	4.477	96	258054	104.520	ug/l	99
23) tert-Butyl Alcohol	3.008	59	185698	340.747	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	744015	107.297	ug/l	99
25) Chloroform	5.086	83	436654	112.329	ug/l	99
26) Cyclohexane	5.458	56	326011	90.311	ug/l #	97
29) 1,1-Dichloropropene	5.684	75	281076	117.974	ug/l	99
30) 2-Butanone	4.556	43	732488	455.706	ug/l	99
31) 2,2-Dichloropropane	4.471	77	338224	116.090	ug/l #	75
32) 1,1,1-Trichloroethane	5.373	97	393924	132.539	ug/l	98
33) Carbon Tetrachloride	5.672	117	322837	134.140	ug/l	93
34) Benzene	6.031	78	867556	110.827	ug/l	100
35) Methacrylonitrile	4.916	41	171897	100.446	ug/l	98
36) 1,2-Dichloroethane	6.080	62	361345	138.281	ug/l	98
37) Trichloroethene	7.117	130	213376	119.141	ug/l	99
38) Methylcyclohexane	7.373	83	346083	108.408	ug/l	98
39) 1,2-Dichloropropane	7.427	63	215128	111.609	ug/l	91
40) Dibromomethane	7.574	93	166492	122.975	ug/l	99
41) Bromodichloromethane	7.818	83	333975	126.590	ug/l	98
42) Vinyl Acetate	3.721	43	3212562	451.792	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	306855	98.820	ug/l	# 83
44) Isopropyl Acetate	6.336	43	513153	101.132	ug/l	99
45) 1,4-Dioxane	7.665	88	68256	1470.387	ug/l	99
46) Methyl methacrylate	7.690	41	254788	104.557	ug/l	99
47) n-amyl Acetate	10.842	43	437781	99.530	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	330283	116.830	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	390488	126.066	ug/l	92
50) 1,1,2-Trichloroethane	9.147	97	216458	118.639	ug/l	94
51) Ethyl methacrylate	9.116	69	338154	102.750	ug/l	84
52) 1,3-Dichloropropane	9.305	76	357173	111.622	ug/l	99
53) Dibromochloromethane	9.519	129	248105	127.989	ug/l	99
54) 1,2-Dibromoethane	9.604	107	230440	121.794	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	876549	577.072	ug/l	99
56) Bromoform	10.799	173	162180	124.310	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	1529267	429.304	ug/l	95
59) 2-Hexanone	9.433	43	930126	340.244	ug/l	91
61) Tetrachloroethene	9.269	164	197707	112.734	ug/l	96
62) Toluene	8.714	91	1038172	111.759	ug/l	99
64) Chlorobenzene	10.073	112	650731	114.428	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	227678	117.634	ug/l	99
66) Ethyl Benzene	10.189	91	1119270	111.331	ug/l	98
67) m/p-Xylenes	10.299	106	868846	230.803	ug/l	93
68) o-Xylene	10.640	106	417482	110.268	ug/l	94
69) Styrene	10.653	104	697794	111.073	ug/l	98
70) Isopropylbenzene	10.957	105	1054627	111.320	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.207	83	307759	90.271	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	253947m	85.098	ug/l	
73) Bromobenzene	11.195	156	235523	106.398	ug/l	96
74) n-propylbenzene	11.305	91	1117515	100.737	ug/l	99
75) 2-Chlorotoluene	11.360	91	677569	97.956	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	800530	102.751	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	101445	79.893	ug/l	86
78) 4-Chlorotoluene	11.451	91	782599	103.737	ug/l	98
79) tert-butylbenzene	11.713	119	800658	101.951	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	807058	102.022	ug/l	99
81) sec-Butylbenzene	11.890	105	973074	98.833	ug/l	100
82) p-Isopropyltoluene	12.006	119	815667	102.214	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	413446	102.971	ug/l	100
84) 1,4-Dichlorobenzene	12.036	146	415373	103.420	ug/l	98
85) n-Butylbenzene	12.329	91	733192	103.188	ug/l	98
86) Hexachloroethane	12.536	117	141187	89.850	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	414445	102.421	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	66242	86.882	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	260672	109.941	ug/l	99
90) Hexachlorobutadiene	13.725	225	100190	111.174	ug/l	96
91) Naphthalene	13.774	128	881303	98.252	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	263015	108.197	ug/l	98

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

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