

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074871.D
 Acq On : 12 Oct 2022 11:50
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 13 07:17:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:11:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/13/2022
 Supervised By : Mahesh Dadoda 10/14/2022

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

Internal Standards						
1) Bromochloromethane	7.830	128	88460	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	498393	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	484469	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	246989	29.823	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.400%		
60) 4-Bromofluorobenzene	12.847	95	269879	31.413	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	104.700%		
63) Toluene-d8	10.571	98	814356	29.125	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.067%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	433144	88.176	ug/l	100
3) Chloromethane	2.377	50	668774	84.181	ug/l	100
4) Vinyl Chloride	2.530	62	1006583	86.042	ug/l	100
5) Bromomethane	2.924	94	879091	94.775	ug/l	90
6) Chloroethane	3.106	64	760677m	81.599	ug/l	
7) Trichlorofluoromethane	3.495	101	776750	89.064	ug/l	91
8) Diethyl Ether	3.977	74	367433	90.315	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.383	101	498795	90.918	ug/l	97
10) 1,1-Dichloroethene	4.347	96	478089	88.292	ug/l	95
11) Methyl Iodide	4.606	142	615314	91.407	ug/l	95
12) Methyl Acetate	5.047	43	1138273	87.476	ug/l	95
13) Acrolein	4.200	56	859921	467.723	ug/l	98
14) Acrylonitrile	5.741	53	2240957	461.761	ug/l	98
15) Acetone	4.453	58	580342	435.701	ug/l	88
16) Carbon Disulfide	4.724	76	1243054	89.682	ug/l	98
17) Allyl chloride	5.036	41	927080	84.346	ug/l	97
18) Methylene Chloride	5.294	84	615763	88.046	ug/l	93
19) trans-1,2-Dichloroethene	5.800	96	535861	90.423	ug/l	96
20) Diisopropyl ether	6.688	45	2373512	94.596	ug/l	98
21) 1,1-Dichloroethane	6.583	63	1170296	91.707	ug/l	99
22) cis-1,2-Dichloroethene	7.500	96	683381	92.087	ug/l	98
23) tert-Butyl Alcohol	5.565	59	859919	422.694	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	2108323	93.510	ug/l	99
25) Chloroform	7.977	83	1175290	92.716	ug/l	96
26) Cyclohexane	8.265	56	1067370	95.190	ug/l #	99
29) 1,1-Dichloropropene	8.377	75	835453	92.904	ug/l	97
30) 2-Butanone	7.500	43	3248424	452.739	ug/l	99
31) 2,2-Dichloropropane	7.506	77	1010259	91.880	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	1010783	93.728	ug/l	99
33) Carbon Tetrachloride	8.365	117	830295	93.603	ug/l	96
34) Benzene	8.612	78	2720128	91.509	ug/l #	91
35) Methacrylonitrile	7.788	41	665913	90.304	ug/l	96
36) 1,2-Dichloroethane	8.677	62	909601	91.890	ug/l	100
37) Trichloroethene	9.359	130	577858	93.475	ug/l	96
38) Methylcyclohexane	9.606	83	1063226	97.324	ug/l	99
39) 1,2-Dichloropropane	9.624	63	713251	92.561	ug/l	96
40) Dibromomethane	9.712	93	464875	91.039	ug/l	98
41) Bromodichloromethane	9.894	83	948891	95.418	ug/l #	98
42) Vinyl Acetate	6.624	43	9558872	456.134	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	1296582	92.113	ug/l	96
44) Isopropyl Acetate	8.694	43	1992935	92.384	ug/l	96
45) 1,4-Dioxane	9.700	88	362298	1831.509	ug/l	98
46) Methyl methacrylate	9.682	41	885429	94.770	ug/l	95
47) n-amyl Acetate	12.494	43	1894508	100.370	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	1125380	98.308	ug/l	97
49) cis-1,3-Dichloropropene	10.318	75	1159972	95.874	ug/l	93
50) 1,1,2-Trichloroethane	11.018	97	677483	90.159	ug/l	94
51) Ethyl methacrylate	10.876	69	1224414	95.823	ug/l	94
52) 1,3-Dichloropropane	11.165	76	1207956	93.135	ug/l	100
53) Dibromochloromethane	11.365	129	732688	99.523	ug/l	96
54) 1,2-Dibromoethane	11.470	107	692692	95.947	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	2238876	447.942	ug/l	97
56) Bromoform	12.582	173	556563	104.910	ug/l	99
58) 4-Methyl-2-Pentanone	10.453	43	6872732	456.143	ug/l	99
59) 2-Hexanone	11.200	43	5340252	460.540	ug/l	97
61) Tetrachloroethene	11.106	164	451967	87.508	ug/l	94
62) Toluene	10.635	91	3049358	91.105	ug/l	100
64) Chlorobenzene	11.894	112	1752225	92.101	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.965	131	661065	92.253	ug/l	97
66) Ethyl Benzene	11.965	91	3388620	93.103	ug/l	99
67) m/p-Xylenes	12.070	106	2614161	191.189	ug/l	100
68) o-Xylene	12.400	106	1328365	95.576	ug/l	98
69) Styrene	12.412	104	2250615	98.936	ug/l	99
70) Isopropylbenzene	12.700	105	3511595	97.964	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	1231930	91.874	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	1060600m	97.258	ug/l	
73) Bromobenzene	12.982	156	713304	94.960	ug/l	95
74) n-propylbenzene	13.035	91	4172813	99.843	ug/l	98
75) 2-Chlorotoluene	13.129	91	2400705	98.191	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	2891132	99.252	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	465442	99.447	ug/l	92
78) 4-Chlorotoluene	13.223	91	2365525	98.284	ug/l	98
79) tert-butylbenzene	13.441	119	2499378	96.458	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	2916231	99.498	ug/l	96
81) sec-Butylbenzene	13.617	105	3711625	99.668	ug/l	99
82) p-Isopropyltoluene	13.729	119	3039257	102.715	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	1461086	99.684	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	1414370	100.464	ug/l	99
85) n-Butylbenzene	14.059	91	2750216	105.298	ug/l	98
86) Hexachloroethane	14.335	117	559925	96.624	ug/l	93
87) 1,2-Dichlorobenzene	14.106	146	1445492	99.327	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	259800	96.000	ug/l	98
89) 1,2,4-Trichlorobenzene	15.394	180	686854	103.341	ug/l	98
90) Hexachlorobutadiene	15.500	225	307598	94.919	ug/l	98
91) Naphthalene	15.641	128	2796461	106.035	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	700057	100.686	ug/l	99

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

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