

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080979.D
 Acq On : 09 Feb 2024 10:00
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 10 01:36:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:30:36 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Mahesh Dadoda 02/12/2024

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

Internal Standards						
1) Bromochloromethane	7.818	128	89303	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	537062	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	501741	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	203981	30.398	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.333%			
60) 4-Bromofluorobenzene	12.853	95	227860	29.706	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.033%			
63) Toluene-d8	10.571	98	658835	29.260	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.533%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	641733	105.685	ug/l	98
3) Chloromethane	2.359	50	578285	94.768	ug/l	98
4) Vinyl Chloride	2.512	62	712534	97.938	ug/l	99
5) Bromomethane	2.936	94	449531	91.990	ug/l	96
6) Chloroethane	3.106	64	458290	96.633	ug/l	98
7) Trichlorofluoromethane	3.495	101	950830	99.247	ug/l	100
8) Diethyl Ether	3.959	74	336707	99.994	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	515031	99.103	ug/l	96
10) 1,1-Dichloroethene	4.336	96	519066	101.855	ug/l	96
11) Methyl Iodide	4.589	142	577951	105.892	ug/l	92
12) Methyl Acetate	5.018	43	442263	96.129	ug/l	88
13) Acrolein	4.177	56	490025	486.575	ug/l	100
14) Acrylonitrile	5.718	53	1146643	499.507	ug/l	98
15) Acetone	4.424	58	253480	480.496	ug/l	91
16) Carbon Disulfide	4.712	76	1369664	97.931	ug/l	96
17) Allyl chloride	5.018	41	639449	99.909	ug/l	93
18) Methylene Chloride	5.277	84	561950	96.421	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	573500	99.130	ug/l	89
20) Diisopropyl ether	6.671	45	1546098	100.506	ug/l	94
21) 1,1-Dichloroethane	6.565	63	975020	98.902	ug/l	99
22) cis-1,2-Dichloroethene	7.488	96	675176	100.440	ug/l	93
23) tert-Butyl Alcohol	5.524	59	407563	487.873	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	1713038	101.396	ug/l	97
25) Chloroform	7.965	83	1094333	100.057	ug/l	99
26) Cyclohexane	8.259	56	736887	99.266	ug/l	87
29) 1,1-Dichloropropene	8.371	75	775986	97.000	ug/l	97
30) 2-Butanone	7.482	43	1431365	487.666	ug/l	98
31) 2,2-Dichloropropane	7.488	77	917485	100.730	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	987410	98.117	ug/l	98
33) Carbon Tetrachloride	8.365	117	861045	101.549	ug/l	98
34) Benzene	8.606	78	2340225	95.728	ug/l	99
35) Methacrylonitrile	7.777	41	341755	99.062	ug/l	88
36) 1,2-Dichloroethane	8.671	62	777832	94.806	ug/l	99
37) Trichloroethene	9.353	130	631410	97.145	ug/l	97
38) Methylcyclohexane	9.600	83	803533	100.647	ug/l	93
39) 1,2-Dichloropropane	9.624	63	557080	96.071	ug/l	96
40) Dibromomethane	9.712	93	430195	97.514	ug/l	97
41) Bromodichloromethane	9.888	83	856262	99.172	ug/l	98
42) Vinyl Acetate	6.600	43	6230073	494.011	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	603544	96.549	ug/l	95
44) Isopropyl Acetate	8.688	43	1078716	98.203	ug/l	96
45) 1,4-Dioxane	9.694	88	199595	1926.861	ug/l	94
46) Methyl methacrylate	9.682	41	499142	99.310	ug/l	92
47) n-amyl Acetate	12.494	43	987386	103.071	ug/l	92
48) t-1,3-Dichloropropene	10.835	75	917295	101.370	ug/l	95
49) cis-1,3-Dichloropropene	10.318	75	990162	100.983	ug/l	97
50) 1,1,2-Trichloroethane	11.018	97	588311	96.377	ug/l	96
51) Ethyl methacrylate	10.876	69	867823	101.720	ug/l	92
52) 1,3-Dichloropropane	11.165	76	973994	96.624	ug/l	100
53) Dibromochloromethane	11.359	129	672801	101.123	ug/l	99
54) 1,2-Dibromoethane	11.470	107	624115	98.827	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	2219807	507.726	ug/l	98
56) Bromoform	12.582	173	451088	106.455	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	3155728	484.454	ug/l	96
59) 2-Hexanone	11.200	43	2394090	499.702	ug/l	95
61) Tetrachloroethene	11.106	164	540872	94.371	ug/l	95
62) Toluene	10.629	91	2613211	95.080	ug/l	99
64) Chlorobenzene	11.894	112	1621507	96.327	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.965	131	619236	99.171	ug/l	98
66) Ethyl Benzene	11.965	91	2854491	98.776	ug/l	97
67) m/p-Xylenes	12.070	106	2237510	197.159	ug/l	93
68) o-Xylene	12.400	106	1096638	98.603	ug/l	94
69) Styrene	12.412	104	1855414	101.335	ug/l	96
70) Isopropylbenzene	12.700	105	2696356	99.481	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	789930	94.515	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	604312m	94.639	ug/l	
73) Bromobenzene	12.982	156	666457	98.878	ug/l	91
74) n-propylbenzene	13.035	91	3087046	100.217	ug/l	97
75) 2-Chlorotoluene	13.129	91	1873928	97.997	ug/l	93
76) 1,3,5-Trimethylbenzene	13.176	105	2221571	100.174	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	274509	111.853	ug/l	91
78) 4-Chlorotoluene	13.223	91	1879292	98.122	ug/l	93
79) tert-butylbenzene	13.441	119	1850783	100.534	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	2229003	100.877	ug/l	97
81) sec-Butylbenzene	13.617	105	2577478	99.979	ug/l	98
82) p-Isopropyltoluene	13.729	119	2208094	102.023	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	1208281	99.670	ug/l	97
84) 1,4-Dichlorobenzene	13.817	146	1204130	98.955	ug/l	97
85) n-Butylbenzene	14.059	91	1857402	104.012	ug/l	99
86) Hexachloroethane	14.335	117	354208	103.756	ug/l	90
87) 1,2-Dichlorobenzene	14.106	146	1157489	98.070	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	150249	99.599	ug/l	89
89) 1,2,4-Trichlorobenzene	15.847	180	588696	101.956	ug/l	99
90) Hexachlorobutadiene	15.506	225	246089	97.143	ug/l	99
91) Naphthalene	15.641	128	2169282	105.808	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	588696	101.956	ug/l	99

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

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