

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068700.D
 Acq On : 27 Sep 2021 12:30
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 9/28/2021 7:05:41 PM

Quant Time: Sep 27 14:20:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 14:19:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	73753	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	417396	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	388890	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	191481	31.252	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.167%			
60) 4-Bromofluorobenzene	12.733	95	182176	30.479	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.600%			
63) Toluene-d8	10.443	98	541926	31.648	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	85703	21.122	ug/l	95
3) Chloromethane	2.303	50	112464	20.850	ug/l	99
4) Vinyl Chloride	2.443	62	134916	21.861	ug/l	99
5) Bromomethane	2.861	94	88638	21.962	ug/l	94
6) Chloroethane	3.019	64	98720	22.935	ug/l	97
7) Trichlorofluoromethane	3.373	101	159117	21.538	ug/l	97
8) Diethyl Ether	3.829	74	55270	20.717	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.218	101	87958	21.844	ug/l	98
10) 1,1-Dichloroethene	4.186	96	78963	20.589	ug/l	96
11) Methyl Iodide	4.425	142	95611	19.665	ug/l	98
12) Methyl Acetate	4.856	43	167677	20.324	ug/l	97
13) Acrolein	4.044	56	20440	81.995	ug/l #	55
14) Acrylonitrile	5.556	53	252741	103.943	ug/l	98
15) Acetone	4.288	58	71654	116.082	ug/l	95
16) Carbon Disulfide	4.537	76	219310	19.537	ug/l	98
17) Allyl chloride	4.843	41	155654	20.625	ug/l	97
18) Methylene Chloride	5.098	84	96072	20.492	ug/l	95
19) trans-1,2-Dichloroethene	5.602	96	89757	21.036	ug/l	95
20) Diisopropyl ether	6.495	45	374143	22.535	ug/l	97
21) 1,1-Dichloroethane	6.388	63	198876	22.550	ug/l	99
22) cis-1,2-Dichloroethene	7.332	96	107719	21.243	ug/l	97
23) tert-Butyl Alcohol	5.369	59	81844	100.747	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	320007	21.775	ug/l	98
25) Chloroform	7.820	83	186339	20.495	ug/l	98
26) Cyclohexane	8.099	56	158412	18.836	ug/l #	97
29) 1,1-Dichloropropene	8.222	75	135671	19.243	ug/l	99
30) 2-Butanone	7.335	43	392242	108.200	ug/l	100
31) 2,2-Dichloropropane	7.329	77	161469	25.513	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	165223	19.008	ug/l	99
33) Carbon Tetrachloride	8.209	117	148426	19.620	ug/l	98
34) Benzene	8.461	78	405983	19.688	ug/l	98
35) Methacrylonitrile	7.635	41	77954	20.217	ug/l	99
36) 1,2-Dichloroethane	8.531	62	158554	19.601	ug/l	99
37) Trichloroethene	9.217	130	101933	20.082	ug/l	94
38) Methylcyclohexane	9.461	83	162178	19.832	ug/l	100
39) 1,2-Dichloropropane	9.491	63	108420	19.891	ug/l	99
40) Dibromomethane	9.579	93	84722	21.166	ug/l	95
41) Bromodichloromethane	9.764	83	166344	20.676	ug/l	99
42) Vinyl Acetate	6.433	43	1483635m	111.661	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	140948	18.121	ug/l	97
44) Isopropyl Acetate	8.563	43	268683	19.485	ug/l	99
45) 1,4-Dioxane	9.569	88	38641	428.331	ug/l	97
46) Methyl methacrylate	9.561	41	141279	21.307	ug/l	96
47) n-amyl Acetate	12.387	43	185783	14.905	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	159537	16.604	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	171425	17.601	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	100651	15.923	ug/l	97
51) Ethyl methacrylate	10.765	69	158749	14.892	ug/l	97
52) 1,3-Dichloropropane	11.046	76	174442	15.831	ug/l	99
53) Dibromochloromethane	11.240	129	125439	17.790	ug/l	98
54) 1,2-Dibromoethane	11.347	107	103763	15.882	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	197508	81.206	ug/l	100
56) Bromoform	12.460	173	76095	16.416	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	837146	108.897	ug/l	100
59) 2-Hexanone	11.087	43	578646	98.876	ug/l	100
61) Tetrachloroethene	10.979	164	92175	20.476	ug/l	98
62) Toluene	10.507	91	453197	21.326	ug/l	99
64) Chlorobenzene	11.773	112	268989	19.783	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	113792	21.853	ug/l	97
66) Ethyl Benzene	11.846	91	526051	20.989	ug/l	99
67) m/p-Xylenes	11.953	106	366071	39.669	ug/l	96
68) o-Xylene	12.283	106	194165	21.365	ug/l	94
69) Styrene	12.296	104	308793	21.148	ug/l	98
70) Isopropylbenzene	12.581	105	491941	21.204	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	155315	22.168	ug/l	98
72) 1,2,3-Trichloropropane	12.884	75	155081m	23.135	ug/l	
73) Bromobenzene	12.862	156	121580	23.002	ug/l	94
74) n-propylbenzene	12.921	91	621723	23.054	ug/l	98
75) 2-Chlorotoluene	13.010	91	376811	23.240	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	450312	23.640	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	42581	20.382	ug/l	94
78) 4-Chlorotoluene	13.106	91	358686	23.272	ug/l	98
79) tert-butylbenzene	13.323	119	361079	22.382	ug/l	97
80) 1,2,4-Trimethylbenzene	13.372	105	392157m	22.265	ug/l	
81) sec-Butylbenzene	13.503	105	474613	21.674	ug/l	99
82) p-Isopropyltoluene	13.618	119	380142	21.769	ug/l	98
83) 1,3-Dichlorobenzene	13.618	146	185039	21.745	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	177124	21.509	ug/l	100
85) n-Butylbenzene	13.946	91	305842	21.076	ug/l	99
86) Hexachloroethane	14.211	117	84018	23.945	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	179113	21.604	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	26082	21.153	ug/l	100
89) 1,2,4-Trichlorobenzene	15.265	180	83275	20.364	ug/l	99
90) Hexachlorobutadiene	15.372	225	50969	23.749	ug/l	97
91) Naphthalene	15.507	128	209870	18.766	ug/l	100
92) 1,2,3-Trichlorobenzene	15.705	180	84649	21.442	ug/l	99

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

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