

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068685.D
 Acq On : 25 Sep 2021 23:52
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 11:01:21 AM

Quant Time: Sep 27 06:52:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 06:50:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	74161	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	416321	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	378444	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	182959	39.244	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 130.800%	#
60) 4-Bromofluorobenzene	12.733	95	171958	31.466	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 104.900%	
63) Toluene-d8	10.443	98	540084	32.339	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 107.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	88315	24.685	ug/l	100
3) Chloromethane	2.303	50	113764	30.379	ug/l	100
4) Vinyl Chloride	2.445	62	139247	25.381	ug/l	100
5) Bromomethane	2.864	94	90638	18.248	ug/l	100
6) Chloroethane	3.022	64	94625	24.434	ug/l	100
7) Trichlorofluoromethane	3.376	101	158090	23.642	ug/l	100
8) Diethyl Ether	3.827	74	54068	25.027	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.218	101	84600	22.424	ug/l	100
10) 1,1-Dichloroethene	4.189	96	79639	22.647	ug/l	100
11) Methyl Iodide	4.430	142	98648	18.546	ug/l	100
12) Methyl Acetate	4.859	43	169556	37.528	ug/l	100
13) Acrolein	4.044	56	22964	83.200	ug/l	100
14) Acrylonitrile	5.554	53	250417	144.958	ug/l	100
15) Acetone	4.288	58	63092	138.241	ug/l	100
16) Carbon Disulfide	4.535	76	233101	24.876	ug/l	100
17) Allyl chloride	4.848	41	149503	30.570	ug/l	100
18) Methylene Chloride	5.103	84	96385	22.738	ug/l	100
19) trans-1,2-Dichloroethene	5.602	96	89066	22.571	ug/l	100
20) Diisopropyl ether	6.498	45	327957	30.431	ug/l	100
21) 1,1-Dichloroethane	6.391	63	180373	26.537	ug/l	100
22) cis-1,2-Dichloroethene	7.329	96	103460	21.933	ug/l	100
23) tert-Butyl Alcohol	5.363	59	82438	124.585	ug/l	# 100
24) Methyl tert-Butyl Ether	5.615	73	295555	24.144	ug/l	100
25) Chloroform	7.820	83	182623	23.465	ug/l	100
26) Cyclohexane	8.099	56	156986	27.073	ug/l	# 100
29) 1,1-Dichloropropene	8.225	75	133753	22.919	ug/l	100
30) 2-Butanone	7.335	43	353293	145.937	ug/l	100
31) 2,2-Dichloropropane	7.332	77	116840	18.419	ug/l	100
32) 1,1,1-Trichloroethane	8.019	97	158352	20.561	ug/l	100
33) Carbon Tetrachloride	8.206	117	141847	19.809	ug/l	100
34) Benzene	8.464	78	402506	22.679	ug/l	100
35) Methacrylonitrile	7.635	41	74874m	31.252	ug/l	
36) 1,2-Dichloroethane	8.531	62	147883	24.395	ug/l	100
37) Trichloroethene	9.217	130	99910	18.355	ug/l	100
38) Methylcyclohexane	9.461	83	155891	21.129	ug/l	100
39) 1,2-Dichloropropane	9.491	63	105194	24.534	ug/l	100
40) Dibromomethane	9.579	93	72036	21.348	ug/l	100
41) Bromodichloromethane	9.764	83	142696	21.733	ug/l	100
42) Vinyl Acetate	6.436	43	1289552	144.812	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	145814	28.633	ug/l	100
44) Isopropyl Acetate	8.560	43	252352	29.026	ug/l	100
45) 1,4-Dioxane	9.566	88	33952	425.258	ug/l	100
46) Methyl methacrylate	9.561	41	102990	28.954	ug/l	100
47) n-amyl Acetate	12.390	43	174844	28.273	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	145714	21.711	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	156273	21.768	ug/l	100
50) 1,1,2-Trichloroethane	10.899	97	100310	20.677	ug/l	100
51) Ethyl methacrylate	10.762	69	150795	23.249	ug/l	100
52) 1,3-Dichloropropane	11.046	76	168601	22.822	ug/l	100
53) Dibromochloromethane	11.240	129	106155	18.186	ug/l	100
54) 1,2-Dibromoethane	11.347	107	100811	19.562	ug/l	100
55) 2-Chloroethyl vinyl ether	10.041	63	162014	135.445	ug/l	100
56) Bromoform	12.460	173	73425	15.847	ug/l #	100
58) 4-Methyl-2-Pentanone	10.330	43	765339	149.910	ug/l	100
59) 2-Hexanone	11.087	43	536369	150.593	ug/l	100
61) Tetrachloroethene	10.979	164	91659	17.252	ug/l	100
62) Toluene	10.507	91	439518	21.445	ug/l	100
64) Chlorobenzene	11.771	112	262758	19.773	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	99457	18.593	ug/l	100
66) Ethyl Benzene	11.846	91	466631	20.954	ug/l	100
67) m/p-Xylenes	11.956	106	356861	39.637	ug/l	100
68) o-Xylene	12.283	106	175516	19.682	ug/l	100
69) Styrene	12.296	104	275934	19.578	ug/l	100
70) Isopropylbenzene	12.581	105	445252	19.703	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	140095	22.285	ug/l	100
72) 1,2,3-Trichloropropane	12.881	75	123306m	23.310	ug/l	
73) Bromobenzene	12.862	156	103249	16.542	ug/l	100
74) n-propylbenzene	12.921	91	504977	20.507	ug/l	100
75) 2-Chlorotoluene	13.010	91	305383	20.620	ug/l	100
76) 1,3,5-Trimethylbenzene	13.061	105	368849	19.577	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	38232	21.812	ug/l	100
78) 4-Chlorotoluene	13.106	91	287882	20.296	ug/l	100
79) tert-butylbenzene	13.326	119	320770	18.713	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	358414m	19.639	ug/l	
81) sec-Butylbenzene	13.503	105	441114	19.320	ug/l	100
82) p-Isopropyltoluene	13.616	119	356490	18.292	ug/l	100
83) 1,3-Dichlorobenzene	13.616	146	178657	16.500	ug/l	100
84) 1,4-Dichlorobenzene	13.696	146	170258	16.371	ug/l	100
85) n-Butylbenzene	13.943	91	278896	19.606	ug/l	100
86) Hexachloroethane	14.211	117	70590	19.515	ug/l	100
87) 1,2-Dichlorobenzene	13.989	146	172884	16.611	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.603	75	25363	23.161	ug/l	100
89) 1,2,4-Trichlorobenzene	15.265	180	81132	15.744	ug/l	100
90) Hexachlorobutadiene	15.372	225	46119	14.610	ug/l	100
91) Naphthalene	15.507	128	206826	18.060	ug/l	100
92) 1,2,3-Trichlorobenzene	15.702	180	80643	16.597	ug/l	100

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

