

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067021.D
 Acq On : 6 May 2021 20:00
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2021 6:23:28 PM

Quant Time: May 07 06:11:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 07 06:08:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.112	128	77704	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	398146	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.349	117	373796	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	205919	13.16	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	43.87%#		
60) 4-Bromofluorobenzene	12.350	95	188017	13.16	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	43.87%#		
63) Toluene-d8	10.030	98	560151	13.16	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	43.87%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.834	85	105312	13.16	ug/l	100
3) Chloromethane	2.035	50	150708	13.16	ug/l	100
4) Vinyl Chloride	2.161	62	144668	13.16	ug/l	100
5) Bromomethane	2.502	94	79931	13.16	ug/l	100
6) Chloroethane	2.652	64	82120	13.16	ug/l	100
7) Trichlorofluoromethane	2.968	101	178178	13.16	ug/l	100
8) Diethyl Ether	3.355	74	56923	13.16	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.695	101	86087	13.16	ug/l	100
10) 1,1-Dichloroethene	3.666	96	80688m	13.05	ug/l	
11) Methyl Iodide	3.883	142	109858	13.16	ug/l	100
12) Methyl Acetate	4.250	43	111978	13.16	ug/l	100
13) Acrolein	3.545	56	90051	65.79	ug/l	100
14) Acrylonitrile	4.897	53	227506	65.79	ug/l	100
15) Acetone	3.754	58	65466	65.79	ug/l	100
16) Carbon Disulfide	3.979	76	271062	13.16	ug/l	100
17) Allyl chloride	4.242	41	146125	13.16	ug/l	100
18) Methylene Chloride	4.470	84	109202	13.16	ug/l	100
19) trans-1,2-Dichloroethene	4.950	96	89176	13.16	ug/l	100
20) Diisopropyl ether	5.862	45	297551	13.16	ug/l	100
21) 1,1-Dichloroethane	5.758	63	194390	13.16	ug/l	100
22) cis-1,2-Dichloroethene	6.739	96	102227	13.16	ug/l	100
23) tert-Butyl Alcohol	4.712	59	86283	65.79	ug/l #	100
24) Methyl tert-Butyl Ether	4.956	73	269164	13.16	ug/l	100
25) Chloroform	7.289	83	184967	13.16	ug/l	100
26) Cyclohexane	7.576	56	134032	13.16	ug/l #	100
29) 1,1-Dichloropropene	7.718	75	128507	13.16	ug/l	100
30) 2-Butanone	6.750	43	302517	65.79	ug/l	100
31) 2,2-Dichloropropane	6.736	77	151956	13.16	ug/l	100
32) 1,1,1-Trichloroethane	7.490	97	165692	13.16	ug/l	100
33) Carbon Tetrachloride	7.697	117	144198	13.16	ug/l	100
34) Benzene	7.968	78	413971	13.16	ug/l	100
35) Methacrylonitrile	7.082	41	56392m	14.16	ug/l	
36) 1,2-Dichloroethane	8.051	62	154632	13.16	ug/l	100
37) Trichloroethene	8.769	130	89282	13.16	ug/l	100
38) Methylcyclohexane	9.016	83	123710	13.16	ug/l	100
39) 1,2-Dichloropropane	9.051	63	116111	13.16	ug/l	100
40) Dibromomethane	9.142	93	70220	13.16	ug/l	100
41) Bromodichloromethane	9.338	83	146266	13.16	ug/l	100
42) Vinyl Acetate	5.806	43	1327643	65.79	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.844	43	151100m	15.06	ug/l	
44) Isopropyl Acetate	8.096	43	215110	13.16	ug/l	100
45) 1,4-Dioxane	9.134	88	26934	263.16	ug/l	100
46) Methyl methacrylate	9.137	41	88708	13.16	ug/l	100
48) t-1,3-Dichloropropene	10.325	75	150932	13.16	ug/l	100
49) cis-1,3-Dichloropropene	9.778	75	167578	13.16	ug/l	100
50) 1,1,2-Trichloroethane	10.505	97	97957	13.16	ug/l	100
51) Ethyl methacrylate	10.373	69	123884	13.16	ug/l	100
52) 1,3-Dichloropropane	10.649	76	168177	13.16	ug/l	100
53) Dibromochloromethane	10.843	129	107012	13.16	ug/l	100
54) 1,2-Dibromoethane	10.947	107	94497	13.16	ug/l	100
55) 2-Chloroethyl vinyl ether	9.636	63	114525	65.79	ug/l	100
56) Bromoform	12.076	173	68247	13.16	ug/l #	100
58) 4-Methyl-2-Pentanone	9.923	43	645908	65.79	ug/l	100
59) 2-Hexanone	10.698	43	377290	65.79	ug/l	100
61) Tetrachloroethene	10.572	164	77920	13.16	ug/l	100
62) Toluene	10.094	91	419984	13.16	ug/l	100
64) Chlorobenzene	11.376	112	247158	13.16	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.451	131	97094	13.16	ug/l	100
66) Ethyl Benzene	11.457	91	428486	13.16	ug/l	100
67) m/p-Xylenes	11.567	106	319607	26.32	ug/l	100
68) o-Xylene	11.894	106	155768	13.16	ug/l	100
69) Styrene	11.913	104	241956	13.16	ug/l	100
70) Isopropylbenzene	12.197	105	407255	13.16	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.452	83	155862	13.16	ug/l	100
72) 1,2,3-Trichloropropane	12.503	75	139384m	13.55	ug/l	
73) Bromobenzene	12.471	156	99556	13.16	ug/l	100
74) n-propylbenzene	12.538	91	472418	13.16	ug/l	100
75) 2-Chlorotoluene	12.621	91	311889	13.16	ug/l	100
76) 1,3,5-Trimethylbenzene	12.680	105	364586	13.16	ug/l	100
77) t-1,4-Dichloro-2-butene	12.256	75	29114	13.16	ug/l	100
78) 4-Chlorotoluene	12.720	91	290174	13.16	ug/l	100
79) tert-butylbenzene	12.940	119	304831	13.16	ug/l	100
80) 1,2,4-Trimethylbenzene	12.988	105	342284	13.16	ug/l	100
81) sec-Butylbenzene	13.120	105	400776	13.16	ug/l	100
82) p-Isopropyltoluene	13.238	119	317288	13.16	ug/l	100
83) 1,3-Dichlorobenzene	13.232	146	161329	13.16	ug/l	100
84) 1,4-Dichlorobenzene	13.313	146	152271	13.16	ug/l	100
85) n-Butylbenzene	13.567	91	236584	13.16	ug/l	100
86) Hexachloroethane	13.817	117	69247	13.16	ug/l	100
87) 1,2-Dichlorobenzene	13.602	146	170600	13.16	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.225	75	23554	13.16	ug/l	100
89) 1,2,4-Trichlorobenzene	14.857	180	79032	13.16	ug/l	100
90) Hexachlorobutadiene	14.951	225	54655	13.16	ug/l	100
91) Naphthalene	15.077	128	220992	13.16	ug/l	100
92) 1,2,3-Trichlorobenzene	15.257	180	85602	13.16	ug/l	100

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

