Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
Data File : VN067045.D
Acq On : 7 May 2021 6:22
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
MMDadoda
5/7/2021 6:24:36 PM

Quant Time: May 07 07:34:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 07 07:26:20 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.112	128	75764	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.520	114	368674	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.350	117	354256	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.952	65	196235	29.56	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.53%				
60) 4-Bromofluorobenzene	12.350	95	174518	29.61	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.70%				
63) Toluene-d8	10.030	98	525714	29.96	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.87%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.837	85	90238	17.41	ug/l		96
3) Chloromethane	2.035	50	136277	17.24	ug/l		99
4) Vinyl Chloride	2.161	62	129844	16.99	ug/l		97
5) Bromomethane	2.537	94	53205	12.48	ug/l		94
6) Chloroethane	2.671	64	77709	17.64	ug/l		94
7) Trichlorofluoromethane	2.979	101	155691	16.77	ug/l		98
8) Diethyl Ether	3.357	74	53768	17.14	ug/l		93
9) 1,1,2-Trichlorotrifluo...	3.695	101	75530	16.81	ug/l		76
10) 1,1-Dichloroethene	3.679	96	73017m	16.93	ug/l		
11) Methyl Iodide	3.886	142	62907	10.72	ug/l		96
12) Methyl Acetate	4.256	43	96933	15.82	ug/l		97
13) Acrolein	3.545	56	36044	35.98	ug/l		96
14) Acrylonitrile	4.897	53	205958	84.98	ug/l	#	89
15) Acetone	3.754	58	60910	86.59	ug/l		94
16) Carbon Disulfide	3.988	76	241019	16.89	ug/l		97
17) Allyl chloride	4.251	41	118968	14.13	ug/l		98
18) Methylene Chloride	4.470	84	95840	16.37	ug/l		94
19) trans-1,2-Dichloroethene	4.953	96	79699	16.78	ug/l		97
20) Diisopropyl ether	5.870	45	264208	16.99	ug/l		96
21) 1,1-Dichloroethane	5.761	63	176812	17.10	ug/l		99
22) cis-1,2-Dichloroethene	6.742	96	89394	16.42	ug/l		97
23) tert-Butyl Alcohol	4.712	59	73317	75.95	ug/l	#	100
24) Methyl tert-Butyl Ether	4.956	73	236216m	16.53	ug/l		
25) Chloroform	7.292	83	170290	17.07	ug/l		97
26) Cyclohexane	7.579	56	114478	15.94	ug/l	#	99
29) 1,1-Dichloropropene	7.718	75	113582	17.62	ug/l		99
30) 2-Butanone	6.750	43	282078	91.24	ug/l		98
31) 2,2-Dichloropropane	6.737	77	97423	12.52	ug/l	#	78
32) 1,1,1-Trichloroethane	7.490	97	151988	18.16	ug/l		99
33) Carbon Tetrachloride	7.700	117	130923	17.97	ug/l		100
34) Benzene	7.968	78	369687	17.69	ug/l		98
35) Methacrylonitrile	7.083	41	45707	15.81	ug/l		95
36) 1,2-Dichloroethane	8.054	62	141073	18.11	ug/l		99
37) Trichloroethene	8.772	130	82873	18.32	ug/l		96
38) Methylcyclohexane	9.016	83	104996	16.36	ug/l		100
39) 1,2-Dichloropropane	9.054	63	103088	17.77	ug/l		98
40) Dibromomethane	9.142	93	65612	18.30	ug/l		98
41) Bromodichloromethane	9.341	83	135604	17.91	ug/l		99
42) Vinyl Acetate	5.811	43	1171707	87.94	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.849	43	121039	16.62	ug/l		98
44) Isopropyl Acetate	8.097	43	194376	17.57	ug/l		100
45) 1,4-Dioxane	9.137	88	19871	281.10	ug/l		99
46) Methyl methacrylate	9.137	41	78194	16.78	ug/l		98
48) t-1,3-Dichloropropene	10.325	75	127292	16.40	ug/l		93
49) cis-1,3-Dichloropropene	9.778	75	142688	16.77	ug/l		99
50) 1,1,2-Trichloroethane	10.505	97	89646	18.08	ug/l		97
51) Ethyl methacrylate	10.374	69	102291	15.78	ug/l		97
52) 1,3-Dichloropropane	10.647	76	154899	17.99	ug/l		100
53) Dibromochloromethane	10.846	129	99111	18.18	ug/l		99
54) 1,2-Dibromoethane	10.947	107	88619	18.69	ug/l		98
55) 2-Chloroethyl vinyl ether	9.636	63	260120	209.57	ug/l		99
56) Bromoform	12.077	173	62852	17.36	ug/l	#	100
58) 4-Methyl-2-Pentanone	9.923	43	595785	89.83	ug/l		99
59) 2-Hexanone	10.695	43	350280	89.55	ug/l		100
61) Tetrachloroethene	10.575	164	77308	19.26	ug/l		97
62) Toluene	10.095	91	382021	17.48	ug/l		99
64) Chlorobenzene	11.377	112	221347	17.34	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.452	131	89613	17.60	ug/l		98
66) Ethyl Benzene	11.457	91	383555	17.29	ug/l		99
67) m/p-Xylenes	11.567	106	295031	35.41	ug/l		94
68) o-Xylene	11.894	106	140099	17.04	ug/l		98
69) Styrene	11.913	104	211645	16.75	ug/l		98
70) Isopropylbenzene	12.197	105	371559	17.43	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.452	83	141806	18.27	ug/l		98
72) 1,2,3-Trichloropropane	12.500	75	122668m	17.44	ug/l		
73) Bromobenzene	12.473	156	90718	17.62	ug/l		98
74) n-propylbenzene	12.538	91	450454	18.43	ug/l		99
75) 2-Chlorotoluene	12.621	91	281450	17.92	ug/l		99
76) 1,3,5-Trimethylbenzene	12.680	105	328123	17.41	ug/l		97
77) t-1,4-Dichloro-2-butene	12.259	75	19755	14.44	ug/l		91
78) 4-Chlorotoluene	12.723	91	269124	19.09	ug/l		99
79) tert-butylbenzene	12.940	119	276512	17.31	ug/l		99
80) 1,2,4-Trimethylbenzene	12.988	105	313889	17.77	ug/l		98
81) sec-Butylbenzene	13.117	105	376716	17.84	ug/l		99
82) p-Isopropyltoluene	13.238	119	311283	18.54	ug/l		99
83) 1,3-Dichlorobenzene	13.232	146	162448	19.01	ug/l		99
84) 1,4-Dichlorobenzene	13.313	146	148781	16.82	ug/l		97
85) n-Butylbenzene	13.568	91	242466	17.93	ug/l		98
86) Hexachloroethane	13.817	117	53668	14.43	ug/l		97
87) 1,2-Dichlorobenzene	13.603	146	168464	19.01	ug/l		96
88) 1,2-Dibromo-3-Chloropr...	14.225	75	24067	16.00	ug/l	#	77
89) 1,2,4-Trichlorobenzene	14.858	180	84518	18.90	ug/l		98
90) Hexachlorobutadiene	14.952	225	55993	18.56	ug/l		92
91) Naphthalene	15.078	128	256636	20.94	ug/l		100
92) 1,2,3-Trichlorobenzene	15.249	180	88717	18.94	ug/l		97

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

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