Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040921\
Data File : VN066560.D
Acq On : 9 Apr 2021 14:05
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
MMDadoda
4/12/2021 11:44:19 AM

Quant Time: Apr 12 02:30:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Apr 12 02:23:50 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.107	128	50255	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.513	114	252522	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.347	117	235246	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.947	65	119965	31.06	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.53%				
60) 4-Bromofluorobenzene	12.345	95	105141	28.64	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.47%				
63) Toluene-d8	10.025	98	345158	31.26	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.818	85	60505	21.53	ug/l		97
3) Chloromethane	2.017	50	80769	22.86	ug/l		98
4) Vinyl Chloride	2.146	62	83898	22.59	ug/l		100
5) Bromomethane	2.505	94	55469	21.11	ug/l		95
6) Chloroethane	2.644	64	56364	23.70	ug/l		95
7) Trichlorofluoromethane	2.955	101	114930	21.46	ug/l		96
8) Diethyl Ether	3.339	74	32299	17.85	ug/l		89
9) 1,1,2-Trichlorotrifluo...	3.677	101	51215	19.54	ug/l		99
10) 1,1-Dichloroethene	3.658	96	48411	18.65	ug/l		96
11) Methyl Iodide	3.870	142	59635	15.98	ug/l		96
12) Methyl Acetate	4.235	43	68656	17.04	ug/l		100
13) Acrolein	3.532	56	34123	152.37	ug/l		92
14) Acrylonitrile	4.876	53	145292	87.44	ug/l		99
15) Acetone	3.736	58	38055	78.65	ug/l		90
16) Carbon Disulfide	3.967	76	154036	21.43	ug/l		99
17) Allyl chloride	4.229	41	82880	17.68	ug/l		92
18) Methylene Chloride	4.455	84	61656	19.88	ug/l		99
19) trans-1,2-Dichloroethene	4.937	96	55129	19.32	ug/l		96
20) Diisopropyl ether	5.855	45	202442	19.67	ug/l		98
21) 1,1-Dichloroethane	5.745	63	111128	19.95	ug/l		99
22) cis-1,2-Dichloroethene	6.729	96	63610	18.62	ug/l		96
23) tert-Butyl Alcohol	4.683	59	47308m	69.35	ug/l		
24) Methyl tert-Butyl Ether	4.937	73	166124	16.78	ug/l	#	75
25) Chloroform	7.284	83	108823	19.34	ug/l		96
26) Cyclohexane	7.571	56	90031	18.22	ug/l	#	99
29) 1,1-Dichloropropene	7.708	75	77334	20.48	ug/l		99
30) 2-Butanone	6.734	43	194388	87.83	ug/l		98
31) 2,2-Dichloropropane	6.729	77	93501	19.99	ug/l	#	72
32) 1,1,1-Trichloroethane	7.483	97	97447	21.29	ug/l		100
33) Carbon Tetrachloride	7.692	117	84334	21.82	ug/l		95
34) Benzene	7.960	78	248259	21.57	ug/l		96
35) Methacrylonitrile	7.091	41	41794m	22.32	ug/l		
36) 1,2-Dichloroethane	8.046	62	88870	21.08	ug/l		100
37) Trichloroethene	8.767	130	58656	19.54	ug/l		98
38) Methylcyclohexane	9.011	83	84760	18.14	ug/l		93
39) 1,2-Dichloropropane	9.046	63	67710	21.74	ug/l		96
40) Dibromomethane	9.137	93	42697	21.32	ug/l		96
41) Bromodichloromethane	9.336	83	89121	21.02	ug/l		98
42) Vinyl Acetate	5.793	43	842624	101.01	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.834	43	82044	19.25	ug/l	#	81
44) Isopropyl Acetate	8.089	43	141023	18.53	ug/l	#	82
45) 1,4-Dioxane	9.132	88	15790	325.18	ug/l		98
46) Methyl methacrylate	9.132	41	60406	16.99	ug/l		97
47) n-amyl Acetate	12.031	43	24864m	10.82	ug/l		
48) t-1,3-Dichloropropene	10.320	75	89220	19.37	ug/l		99
49) cis-1,3-Dichloropropene	9.776	75	99801	20.16	ug/l		96
50) 1,1,2-Trichloroethane	10.500	97	59126	20.63	ug/l		97
51) Ethyl methacrylate	10.371	69	75679	16.87	ug/l		97
52) 1,3-Dichloropropane	10.647	76	100716	21.07	ug/l		99
53) Dibromochloromethane	10.841	129	66487	20.64	ug/l		98
54) 1,2-Dibromoethane	10.945	107	58291	19.76	ug/l		99
55) 2-Chloroethyl vinyl ether	9.631	63	50318	75.43	ug/l		98
56) Bromoform	12.072	173	43710	18.50	ug/l	#	98
58) 4-Methyl-2-Pentanone	9.921	43	417148	88.50	ug/l		96
59) 2-Hexanone	10.693	43	257775	79.48	ug/l		97
61) Tetrachloroethene	10.572	164	53437	16.50	ug/l		97
62) Toluene	10.092	91	261785	20.10	ug/l		99
64) Chlorobenzene	11.374	112	152094	19.88	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.449	131	60062	20.01	ug/l		99
66) Ethyl Benzene	11.455	91	263485	18.78	ug/l		97
67) m/p-Xylenes	11.565	106	196656	37.72	ug/l		100
68) o-Xylene	11.892	106	94692	18.40	ug/l		100
69) Styrene	11.911	104	145291	17.62	ug/l		97
70) Isopropylbenzene	12.195	105	246031	18.17	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.450	83	82867	19.11	ug/l		96
72) 1,2,3-Trichloropropane	12.498	75	71859m	17.17	ug/l		
73) Bromobenzene	12.471	156	63867	19.14	ug/l		98
74) n-propylbenzene	12.536	91	283557	18.94	ug/l		100
75) 2-Chlorotoluene	12.619	91	173712	19.17	ug/l		99
76) 1,3,5-Trimethylbenzene	12.678	105	207364	18.61	ug/l		99
77) t-1,4-Dichloro-2-butene	12.249	75	18570	13.68	ug/l		96
78) 4-Chlorotoluene	12.718	91	169889	19.11	ug/l		100
79) tert-butylbenzene	12.938	119	174146	17.98	ug/l		98
80) 1,2,4-Trimethylbenzene	12.983	105	200604	18.56	ug/l		100
81) sec-Butylbenzene	13.117	105	231267	18.70	ug/l		98
82) p-Isopropyltoluene	13.236	119	195401	17.94	ug/l		99
83) 1,3-Dichlorobenzene	13.230	146	103706	18.95	ug/l		99
84) 1,4-Dichlorobenzene	13.311	146	93377	17.53	ug/l		94
85) n-Butylbenzene	13.563	91	158361	17.82	ug/l		97
86) Hexachloroethane	13.815	117	42492	21.13	ug/l		94
87) 1,2-Dichlorobenzene	13.598	146	102942	19.01	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.233	75	13417	15.17	ug/l		89
89) 1,2,4-Trichlorobenzene	14.981	180	50484	14.61	ug/l		96
90) Hexachlorobutadiene	15.105	225	34584	18.47	ug/l		99
91) Naphthalene	15.266	128	105419	10.02	ug/l		100
92) 1,2,3-Trichlorobenzene	15.502	180	48365	14.29	ug/l		96

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

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