Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
Data File : VN066678.D
Acq On : 20 Apr 2021 13:16
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042021

Manual Integrations APPROVED
MMDadoda
4/21/2021 4:34:52 PM

Quant Time: Apr 21 10:06:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Apr 20 12:52:17 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.111	128	49032	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.516	114	261465	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.348	117	243004	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.950	65	104348	29.54	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.47%				
60) 4-Bromofluorobenzene	12.346	95	113313	29.75	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.17%				
63) Toluene-d8	10.029	98	336433	30.09	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.835	85	45135	18.69	ug/l		97
3) Chloromethane	2.034	50	70366	18.73	ug/l		100
4) Vinyl Chloride	2.163	62	67269	18.79	ug/l		100
5) Bromomethane	2.519	94	42721	20.30	ug/l		95
6) Chloroethane	2.661	64	41112	18.82	ug/l		94
7) Trichlorofluoromethane	2.973	101	74641	18.72	ug/l		99
8) Diethyl Ether	3.356	74	32737	18.49	ug/l		90
9) 1,1,2-Trichlorotrifluo...	3.697	101	48330	19.11	ug/l		98
10) 1,1-Dichloroethene	3.673	96	48565	19.06	ug/l		90
11) Methyl Iodide	3.884	142	66681	17.28	ug/l		96
12) Methyl Acetate	4.249	43	59984	17.26	ug/l		99
13) Acrolein	3.544	56	42571	86.65	ug/l		93
14) Acrylonitrile	4.893	53	132761	86.97	ug/l		100
15) Acetone	3.750	58	43871	109.49	ug/l		83
16) Carbon Disulfide	3.984	76	147216	18.73	ug/l		100
17) Allyl chloride	4.244	41	93645	18.54	ug/l		94
18) Methylene Chloride	4.472	84	61370	18.82	ug/l		99
19) trans-1,2-Dichloroethene	4.949	96	53607	18.58	ug/l		97
20) Diisopropyl ether	5.858	45	197049	18.54	ug/l		94
21) 1,1-Dichloroethane	5.756	63	105264	18.43	ug/l		99
22) cis-1,2-Dichloroethene	6.741	96	61783	18.46	ug/l		98
23) tert-Butyl Alcohol	4.700	59	46050	88.62	ug/l	#	100
24) Methyl tert-Butyl Ether	4.949	73	163254m	18.37	ug/l		
25) Chloroform	7.290	83	99976	18.27	ug/l		95
26) Cyclohexane	7.575	56	90749	18.47	ug/l	#	97
29) 1,1-Dichloropropene	7.717	75	74907	18.19	ug/l		99
30) 2-Butanone	6.743	43	178249	89.69	ug/l		99
31) 2,2-Dichloropropane	6.733	77	87832	18.52	ug/l		98
32) 1,1,1-Trichloroethane	7.492	97	83517	17.96	ug/l		99
33) Carbon Tetrachloride	7.698	117	70618	17.99	ug/l		97
34) Benzene	7.966	78	238736	17.99	ug/l		99
35) Methacrylonitrile	7.100	41	37806m	19.76	ug/l		
36) 1,2-Dichloroethane	8.050	62	77631	17.82	ug/l		98
37) Trichloroethene	8.768	130	58101	18.42	ug/l		99
38) Methylcyclohexane	9.012	83	89974	18.33	ug/l		97
39) 1,2-Dichloropropane	9.050	63	64537	17.81	ug/l		100
40) Dibromomethane	9.144	93	38656	17.80	ug/l		100
41) Bromodichloromethane	9.337	83	80474	17.65	ug/l		99
42) Vinyl Acetate	5.805	43	784098	88.01	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.840	43	75541	17.29	ug/l	#	86
44) Isopropyl Acetate	8.092	43	123700	16.97	ug/l	#	88
45) 1,4-Dioxane	9.133	88	18740	353.28	ug/l		99
46) Methyl methacrylate	9.136	41	55586	16.69	ug/l		91
47) n-amyl Acetate	12.035	43	20299	22.45	ug/l	#	90
48) t-1,3-Dichloropropene	10.321	75	87624	17.59	ug/l		99
49) cis-1,3-Dichloropropene	9.777	75	98375	17.87	ug/l		91
50) 1,1,2-Trichloroethane	10.501	97	56536	17.70	ug/l		96
51) Ethyl methacrylate	10.369	69	75184	16.67	ug/l		94
52) 1,3-Dichloropropane	10.646	76	96192	17.70	ug/l		97
53) Dibromochloromethane	10.841	129	60546	17.53	ug/l		99
54) 1,2-Dibromoethane	10.946	107	56207	17.55	ug/l		99
55) 2-Chloroethyl vinyl ether	9.632	63	54297	78.73	ug/l		99
56) Bromoform	12.072	173	42733	17.17	ug/l	#	99
58) 4-Methyl-2-Pentanone	9.922	43	361155	87.26	ug/l		99
59) 2-Hexanone	10.694	43	229115	86.12	ug/l		98
61) Tetrachloroethene	10.571	164	51608	19.24	ug/l		97
62) Toluene	10.093	91	256474	18.59	ug/l		100
64) Chlorobenzene	11.372	112	153816	18.64	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.450	131	56552	18.26	ug/l		97
66) Ethyl Benzene	11.453	91	271239	18.40	ug/l		99
67) m/p-Xylenes	11.563	106	207092	37.43	ug/l		99
68) o-Xylene	11.890	106	99546	18.56	ug/l		99
69) Styrene	11.909	104	156142	18.10	ug/l		99
70) Isopropylbenzene	12.193	105	263134	18.77	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.448	83	83135	17.96	ug/l		95
72) 1,2,3-Trichloropropane	12.499	75	74852m	18.58	ug/l		
73) Bromobenzene	12.469	156	65474	18.47	ug/l		99
74) n-propylbenzene	12.536	91	298650	18.36	ug/l		100
75) 2-Chlorotoluene	12.617	91	183919	18.89	ug/l		100
76) 1,3,5-Trimethylbenzene	12.679	105	220779	18.63	ug/l		100
77) t-1,4-Dichloro-2-butene	12.249	75	20244	15.91	ug/l		93
78) 4-Chlorotoluene	12.716	91	176584	18.49	ug/l		98
79) tert-butylbenzene	12.936	119	182694	18.41	ug/l		99
80) 1,2,4-Trimethylbenzene	12.984	105	211182	18.58	ug/l		99
81) sec-Butylbenzene	13.116	105	249809	18.92	ug/l		99
82) p-Isopropyltoluene	13.234	119	206571	18.29	ug/l		99
83) 1,3-Dichlorobenzene	13.228	146	109407	18.59	ug/l		100
84) 1,4-Dichlorobenzene	13.309	146	102054	17.96	ug/l		99
85) n-Butylbenzene	13.561	91	168234	17.91	ug/l		99
86) Hexachloroethane	13.813	117	42673	17.94	ug/l		96
87) 1,2-Dichlorobenzene	13.599	146	109787	18.99	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.221	75	13584	17.08	ug/l		88
89) 1,2,4-Trichlorobenzene	14.854	180	65395	19.57	ug/l		98
90) Hexachlorobutadiene	14.948	225	36613	19.56	ug/l		99
91) Naphthalene	15.071	128	178672	22.24	ug/l		99
92) 1,2,3-Trichlorobenzene	15.251	180	64505	20.41	ug/l		99

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

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