Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
Data File : VN066688.D
Acq On : 20 Apr 2021 18:01
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
MMDadoda
4/21/2021 4:34:59 PM

Quant Time: Apr 21 10:10:06 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	49556	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.519	114	265237	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.351	117	243872	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.953	65	107176	30.02	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.07%				
60) 4-Bromofluorobenzene	12.346	95	110701	28.96	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.53%				
63) Toluene-d8	10.029	98	343008	30.57	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.836	85	42865	17.57	ug/l		95
3) Chloromethane	2.034	50	68298	17.99	ug/l		100
4) Vinyl Chloride	2.163	62	65172	18.01	ug/l		99
5) Bromomethane	2.501	94	39455	18.55	ug/l		95
6) Chloroethane	2.648	64	38857	17.60	ug/l		96
7) Trichlorofluoromethane	2.967	101	73759	18.30	ug/l		97
8) Diethyl Ether	3.359	74	32746	18.30	ug/l		89
9) 1,1,2-Trichlorotrifluo...	3.691	101	46435m	18.17	ug/l		
10) 1,1-Dichloroethene	3.670	96	47852	18.58	ug/l		94
11) Methyl Iodide	3.887	142	72817	18.67	ug/l		95
12) Methyl Acetate	4.252	43	61679	17.56	ug/l		100
13) Acrolein	3.547	56	45925	92.48	ug/l		97
14) Acrylonitrile	4.898	53	130076	84.31	ug/l		99
15) Acetone	3.756	58	32598	80.50	ug/l		86
16) Carbon Disulfide	3.981	76	139204	17.53	ug/l		98
17) Allyl chloride	4.247	41	94455	18.50	ug/l		89
18) Methylene Chloride	4.472	84	62706	19.03	ug/l		98
19) trans-1,2-Dichloroethene	4.949	96	52430	17.98	ug/l		97
20) Diisopropyl ether	5.867	45	200520	18.67	ug/l		98
21) 1,1-Dichloroethane	5.759	63	106532	18.45	ug/l		99
22) cis-1,2-Dichloroethene	6.744	96	63009	18.63	ug/l		100
23) tert-Butyl Alcohol	4.708	59	38531	73.37	ug/l	#	100
24) Methyl tert-Butyl Ether	4.957	73	165451	18.42	ug/l		94
25) Chloroform	7.293	83	102001	18.45	ug/l		96
26) Cyclohexane	7.578	56	89262	17.98	ug/l	#	96
29) 1,1-Dichloropropene	7.720	75	73924	17.70	ug/l		99
30) 2-Butanone	6.749	43	160378	79.55	ug/l		99
31) 2,2-Dichloropropane	6.733	77	84867	17.64	ug/l		99
32) 1,1,1-Trichloroethane	7.492	97	84975	18.02	ug/l		98
33) Carbon Tetrachloride	7.698	117	71119	17.86	ug/l		96
34) Benzene	7.967	78	244192	18.14	ug/l		98
35) Methacrylonitrile	7.090	41	35082	18.08	ug/l		97
36) 1,2-Dichloroethane	8.052	62	78392	17.74	ug/l		99
37) Trichloroethene	8.768	130	56544	17.67	ug/l		100
38) Methylcyclohexane	9.015	83	85921	17.26	ug/l		96
39) 1,2-Dichloropropane	9.053	63	66988	18.23	ug/l		100
40) Dibromomethane	9.144	93	39738	18.04	ug/l		98
41) Bromodichloromethane	9.340	83	82757	17.89	ug/l		98
42) Vinyl Acetate	5.805	43	792195	87.66	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.845	43	71738	16.18	ug/l	#	86
44) Isopropyl Acetate	8.095	43	125437	16.96	ug/l	#	89
45) 1,4-Dioxane	9.139	88	12655	235.17	ug/l		96
46) Methyl methacrylate	9.139	41	55981	16.57	ug/l		92
47) n-amyl Acetate	12.035	43	13321	21.39	ug/l	#	77
48) t-1,3-Dichloropropene	10.324	75	84925	16.80	ug/l		97
49) cis-1,3-Dichloropropene	9.777	75	98497	17.64	ug/l		90
50) 1,1,2-Trichloroethane	10.504	97	58312	18.00	ug/l		99
51) Ethyl methacrylate	10.372	69	76236	16.67	ug/l		93
52) 1,3-Dichloropropane	10.649	76	97270	17.64	ug/l		99
53) Dibromochloromethane	10.842	129	61133	17.45	ug/l		100
54) 1,2-Dibromoethane	10.946	107	56147	17.28	ug/l		98
55) 2-Chloroethyl vinyl ether	9.635	63	60146	85.97	ug/l		99
56) Bromoform	12.073	173	40741	16.13	ug/l	#	99
58) 4-Methyl-2-Pentanone	9.922	43	354792	85.42	ug/l		98
59) 2-Hexanone	10.694	43	208635	78.14	ug/l		99
61) Tetrachloroethene	10.571	164	49627	18.43	ug/l		98
62) Toluene	10.093	91	255328	18.44	ug/l		99
64) Chlorobenzene	11.375	112	151089	18.25	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.450	131	57452	18.48	ug/l		97
66) Ethyl Benzene	11.453	91	265812	17.97	ug/l		97
67) m/p-Xylenes	11.563	106	198836	35.81	ug/l		99
68) o-Xylene	11.893	106	97583	18.13	ug/l		100
69) Styrene	11.909	104	151163	17.46	ug/l		99
70) Isopropylbenzene	12.193	105	255088	18.14	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.448	83	83942	18.07	ug/l		99
72) 1,2,3-Trichloropropane	12.499	75	72270m	17.87	ug/l		
73) Bromobenzene	12.470	156	63099	17.74	ug/l		99
74) n-propylbenzene	12.534	91	283091	17.34	ug/l		100
75) 2-Chlorotoluene	12.617	91	179612	18.38	ug/l		98
76) 1,3,5-Trimethylbenzene	12.676	105	211220	17.76	ug/l		100
77) t-1,4-Dichloro-2-butene	12.250	75	18220	14.27	ug/l		90
78) 4-Chlorotoluene	12.719	91	166891	17.42	ug/l		100
79) tert-butylbenzene	12.936	119	175988	17.67	ug/l		99
80) 1,2,4-Trimethylbenzene	12.985	105	200560	17.58	ug/l		99
81) sec-Butylbenzene	13.116	105	230347	17.38	ug/l		100
82) p-Isopropyltoluene	13.234	119	198875	17.54	ug/l		98
83) 1,3-Dichlorobenzene	13.229	146	100986	17.09	ug/l		100
84) 1,4-Dichlorobenzene	13.309	146	96687	16.95	ug/l		99
85) n-Butylbenzene	13.561	91	156620	16.62	ug/l		99
86) Hexachloroethane	13.813	117	41193	17.26	ug/l		94
87) 1,2-Dichlorobenzene	13.599	146	103810	17.90	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.216	75	12827	16.07	ug/l		92
89) 1,2,4-Trichlorobenzene	14.854	180	56938	16.98	ug/l		98
90) Hexachlorobutadiene	14.948	225	29477	15.69	ug/l		99
91) Naphthalene	15.074	128	129491	16.06	ug/l		99
92) 1,2,3-Trichlorobenzene	15.251	180	52698	16.62	ug/l		100

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

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