Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
Data File : VN066320.D
Acq On : 24 Mar 2021 21:05
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
MMDadoda
3/30/2021 10:41:53 AM

Quant Time: Mar 25 06:01:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 25 05:52:50 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.107	128	82411	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.515	114	437780	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.350	117	378325	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.949	65	186915	29.51	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.37%				
60) 4-Bromofluorobenzene	12.348	95	176419	29.88	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.60%				
63) Toluene-d8	10.028	98	545107	30.70	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.33%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.818	85	84945	18.43	ug/l		99
3) Chloromethane	2.014	50	109883	18.96	ug/l		98
4) Vinyl Chloride	2.145	62	112960	18.55	ug/l		98
5) Bromomethane	2.518	94	81749	18.97	ug/l		95
6) Chloroethane	2.652	64	74973	19.22	ug/l		98
7) Trichlorofluoromethane	2.961	101	169386	19.28	ug/l		100
8) Diethyl Ether	3.344	74	56765	19.13	ug/l		100
9) 1,1,2-Trichlorotrifluo...	3.687	101	80850	18.81	ug/l		99
10) 1,1-Dichloroethene	3.663	96	82914	19.48	ug/l		92
11) Methyl Iodide	3.875	142	119912	19.59	ug/l		98
12) Methyl Acetate	4.237	43	134282	20.33	ug/l		98
13) Acrolein	3.537	56	35814	87.11	ug/l		98
14) Acrylonitrile	4.884	53	268482	98.53	ug/l		99
15) Acetone	3.741	58	69382	87.45	ug/l		98
16) Carbon Disulfide	3.974	76	217737	18.47	ug/l		98
17) Allyl chloride	4.237	41	154017	20.03	ug/l		99
18) Methylene Chloride	4.457	84	96428	18.96	ug/l		99
19) trans-1,2-Dichloroethene	4.943	96	89362	19.09	ug/l		99
20) Diisopropyl ether	5.857	45	326150	19.33	ug/l		99
21) 1,1-Dichloroethane	5.750	63	175589	19.22	ug/l		100
22) cis-1,2-Dichloroethene	6.737	96	109607	19.56	ug/l		97
23) tert-Butyl Alcohol	4.696	59	107724	96.30	ug/l	#	100
24) Methyl tert-Butyl Ether	4.943	73	313018	19.28	ug/l		98
25) Chloroform	7.287	83	178107	19.30	ug/l		97
26) Cyclohexane	7.574	56	153767	18.98	ug/l	#	100
29) 1,1-Dichloropropene	7.713	75	128195	19.58	ug/l		99
30) 2-Butanone	6.740	43	371771	96.89	ug/l		99
31) 2,2-Dichloropropane	6.731	77	144659	17.84	ug/l		98
32) 1,1,1-Trichloroethane	7.490	97	156968	19.78	ug/l		100
33) Carbon Tetrachloride	7.694	117	133472	19.92	ug/l		97
34) Benzene	7.965	78	392317	19.66	ug/l		97
35) Methacrylonitrile	7.077	41	59001	18.18	ug/l		95
36) 1,2-Dichloroethane	8.048	62	143194	19.59	ug/l		98
37) Trichloroethene	8.767	130	101280	19.46	ug/l		100
38) Methylcyclohexane	9.014	83	152559	18.83	ug/l		100
39) 1,2-Dichloropropane	9.051	63	105105	19.46	ug/l		99
40) Dibromomethane	9.143	93	67880	19.55	ug/l		97
41) Bromodichloromethane	9.338	83	142809	19.43	ug/l		99
42) Vinyl Acetate	5.795	43	1420984	98.26	ug/l		99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.836	43	150542	20.37	ug/l	#	100
44) Isopropyl Acetate	8.091	43	263638	19.98	ug/l	#	100
45) 1,4-Dioxane	9.140	88	33327	395.89	ug/l		99
46) Methyl methacrylate	9.135	41	120399	19.54	ug/l		96
47) n-amyl Acetate	12.023	43	94042	16.35	ug/l		97
48) t-1,3-Dichloropropene	10.323	75	153916	19.28	ug/l		98
49) cis-1,3-Dichloropropene	9.776	75	164607	19.18	ug/l		100
50) 1,1,2-Trichloroethane	10.502	97	98431	19.81	ug/l		99
51) Ethyl methacrylate	10.371	69	152815	19.65	ug/l		98
52) 1,3-Dichloropropane	10.647	76	162759	19.64	ug/l		100
53) Dibromochloromethane	10.843	129	108522	19.44	ug/l		99
54) 1,2-Dibromoethane	10.945	107	99557	19.46	ug/l		99
55) 2-Chloroethyl vinyl ether	9.631	63	94596	81.80	ug/l		99
56) Bromoform	12.071	173	79030	19.29	ug/l	#	99
58) 4-Methyl-2-Pentanone	9.920	43	776482	102.44	ug/l		100
59) 2-Hexanone	10.693	43	515635	98.86	ug/l		99
61) Tetrachloroethene	10.572	164	105450	20.24	ug/l		97
62) Toluene	10.092	91	415995	19.86	ug/l		100
64) Chlorobenzene	11.377	112	240750	19.56	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.452	131	96936	20.08	ug/l		99
66) Ethyl Benzene	11.454	91	440186	19.51	ug/l		99
67) m/p-Xylenes	11.564	106	327997	39.12	ug/l		97
68) o-Xylene	11.892	106	162942	19.69	ug/l		100
69) Styrene	11.908	104	254155	19.17	ug/l		99
70) Isopropylbenzene	12.195	105	424628	19.50	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.449	83	136374	19.56	ug/l		96
72) 1,2,3-Trichloropropane	12.498	75	127853m	18.99	ug/l		
73) Bromobenzene	12.468	156	103287	19.24	ug/l		98
74) n-propylbenzene	12.535	91	465803	19.35	ug/l		99
75) 2-Chlorotoluene	12.618	91	280617	19.25	ug/l		99
76) 1,3,5-Trimethylbenzene	12.677	105	347327	19.38	ug/l		99
77) t-1,4-Dichloro-2-butene	12.246	75	39877	18.26	ug/l		95
78) 4-Chlorotoluene	12.718	91	274127	19.18	ug/l		100
79) tert-butylbenzene	12.938	119	297231	19.08	ug/l		99
80) 1,2,4-Trimethylbenzene	12.983	105	337352	19.41	ug/l		100
81) sec-Butylbenzene	13.115	105	380928	19.15	ug/l		99
82) p-Isopropyltoluene	13.233	119	334618	19.10	ug/l		99
83) 1,3-Dichlorobenzene	13.227	146	172243	19.57	ug/l		99
84) 1,4-Dichlorobenzene	13.308	146	170257	19.87	ug/l		97
85) n-Butylbenzene	13.560	91	265534	18.58	ug/l		100
86) Hexachloroethane	13.815	117	63825	19.73	ug/l		100
87) 1,2-Dichlorobenzene	13.597	146	175777	20.19	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.217	75	31724	22.30	ug/l		96
89) 1,2,4-Trichlorobenzene	14.852	180	107069	19.27	ug/l		96
90) Hexachlorobutadiene	14.949	225	55094	18.30	ug/l		96
91) Naphthalene	15.070	128	341471	20.19	ug/l		100
92) 1,2,3-Trichlorobenzene	15.249	180	108577	19.95	ug/l		96

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

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