Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
Data File : VN066314.D
Acq On : 24 Mar 2021 17:08
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032421

Manual Integrations APPROVED
MMDadoda
3/30/2021 10:41:22 AM

Quant Time: Mar 25 05:59:39 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	7.104	128	80173	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.515	114	448085	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.350	117	387126	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.949	65	184666	29.97	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.90%				
60) 4-Bromofluorobenzene	12.345	95	178821	29.60	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.67%				
63) Toluene-d8	10.028	98	553062	30.44	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.47%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.818	85	88978	19.84	ug/l		97
3) Chloromethane	2.014	50	113814	20.19	ug/l		100
4) Vinyl Chloride	2.145	62	120253	20.30	ug/l		97
5) Bromomethane	2.524	94	85100	20.30	ug/l		97
6) Chloroethane	2.655	64	74954	19.75	ug/l		96
7) Trichlorofluoromethane	2.961	101	172868	20.23	ug/l		100
8) Diethyl Ether	3.344	74	57314	19.86	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.685	101	85150	20.36	ug/l		99
10) 1,1-Dichloroethene	3.663	96	81825	19.76	ug/l		94
11) Methyl Iodide	3.873	142	117446	19.72	ug/l		98
12) Methyl Acetate	4.235	43	133509	20.77	ug/l		99
13) Acrolein	3.532	56	33750	83.48	ug/l		99
14) Acrylonitrile	4.878	53	262387	98.98	ug/l		99
15) Acetone	3.741	58	75376	97.65	ug/l		91
16) Carbon Disulfide	3.975	76	226280	19.73	ug/l		99
17) Allyl chloride	4.235	41	159677	21.35	ug/l		97
18) Methylene Chloride	4.455	84	98946	20.00	ug/l		99
19) trans-1,2-Dichloroethene	4.943	96	88844	19.51	ug/l		98
20) Diisopropyl ether	5.849	45	332355	20.24	ug/l		94
21) 1,1-Dichloroethane	5.747	63	179133	20.16	ug/l		100
22) cis-1,2-Dichloroethene	6.732	96	108814	19.96	ug/l		99
23) tert-Butyl Alcohol	4.691	59	106443	97.81	ug/l	#	100
24) Methyl tert-Butyl Ether	4.937	73	318338	20.16	ug/l		99
25) Chloroform	7.284	83	178642	19.90	ug/l		95
26) Cyclohexane	7.571	56	159053	20.18	ug/l	#	100
29) 1,1-Dichloropropene	7.713	75	128121	19.12	ug/l		97
30) 2-Butanone	6.737	43	378044	96.26	ug/l		99
31) 2,2-Dichloropropane	6.724	77	163201	19.66	ug/l		99
32) 1,1,1-Trichloroethane	7.488	97	159132	19.59	ug/l		99
33) Carbon Tetrachloride	7.692	117	133450	19.46	ug/l		96
34) Benzene	7.963	78	397711	19.47	ug/l		98
35) Methacrylonitrile	7.075	41	69556m	20.94	ug/l		
36) 1,2-Dichloroethane	8.046	62	141154	18.87	ug/l	#	86
37) Trichloroethene	8.767	130	104949	19.70	ug/l		97
38) Methylcyclohexane	9.014	83	161478	19.48	ug/l		99
39) 1,2-Dichloropropane	9.049	63	107098	19.38	ug/l		98
40) Dibromomethane	9.140	93	68534	19.28	ug/l		98
41) Bromodichloromethane	9.336	83	146204	19.44	ug/l		98
42) Vinyl Acetate	5.793	43	1433962	96.87	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.834	43	154767	20.46	ug/l	#	100
44) Isopropyl Acetate	8.089	43	263165	19.48	ug/l	#	100
45) 1,4-Dioxane	9.143	88	31439	364.88	ug/l		96
46) Methyl methacrylate	9.132	41	121054	19.19	ug/l		97
47) n-amyl Acetate	12.023	43	98029	16.53	ug/l		99
48) t-1,3-Dichloropropene	10.323	75	159902	19.57	ug/l		100
49) cis-1,3-Dichloropropene	9.776	75	171250	19.50	ug/l		98
50) 1,1,2-Trichloroethane	10.502	97	99078	19.48	ug/l		99
51) Ethyl methacrylate	10.368	69	153878	19.33	ug/l		98
52) 1,3-Dichloropropane	10.647	76	165314	19.49	ug/l		99
53) Dibromochloromethane	10.843	129	112896	19.75	ug/l		99
54) 1,2-Dibromoethane	10.945	107	101305	19.35	ug/l		99
55) 2-Chloroethyl vinyl ether	9.631	63	102271	86.40	ug/l		98
56) Bromoform	12.071	173	79766	19.02	ug/l	#	98
58) 4-Methyl-2-Pentanone	9.920	43	785087	101.22	ug/l		100
59) 2-Hexanone	10.693	43	526182	98.59	ug/l		100
61) Tetrachloroethene	10.572	164	108564	20.37	ug/l		99
62) Toluene	10.092	91	430974	20.11	ug/l		99
64) Chlorobenzene	11.374	112	254169	20.18	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.452	131	99251	20.09	ug/l		99
66) Ethyl Benzene	11.455	91	462215	20.02	ug/l		99
67) m/p-Xylenes	11.565	106	347250	40.47	ug/l		98
68) o-Xylene	11.892	106	167243	19.75	ug/l		97
69) Styrene	11.908	104	272262	20.07	ug/l		99
70) Isopropylbenzene	12.192	105	443797	19.92	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.450	83	141998	19.90	ug/l		99
72) 1,2,3-Trichloropropane	12.498	75	137671m	19.98	ug/l		
73) Bromobenzene	12.471	156	108219	19.71	ug/l		99
74) n-propylbenzene	12.535	91	497244	20.19	ug/l		99
75) 2-Chlorotoluene	12.619	91	297319	19.94	ug/l		99
76) 1,3,5-Trimethylbenzene	12.678	105	368843	20.12	ug/l		100
77) t-1,4-Dichloro-2-butene	12.246	75	41721	18.67	ug/l		93
78) 4-Chlorotoluene	12.718	91	294444	20.13	ug/l		100
79) tert-butylbenzene	12.938	119	315042	19.77	ug/l		99
80) 1,2,4-Trimethylbenzene	12.983	105	355387	19.98	ug/l		99
81) sec-Butylbenzene	13.115	105	409089	20.10	ug/l		99
82) p-Isopropyltoluene	13.233	119	367477	20.50	ug/l		99
83) 1,3-Dichlorobenzene	13.227	146	180856	20.08	ug/l		99
84) 1,4-Dichlorobenzene	13.308	146	178757	20.39	ug/l		98
85) n-Butylbenzene	13.560	91	302459	20.69	ug/l		98
86) Hexachloroethane	13.815	117	65224	19.71	ug/l		97
87) 1,2-Dichlorobenzene	13.597	146	185626	20.83	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.214	75	30853	21.19	ug/l		99
89) 1,2,4-Trichlorobenzene	14.850	180	117362	20.64	ug/l		98
90) Hexachlorobutadiene	14.949	225	63546	20.62	ug/l		100
91) Naphthalene	15.070	128	364563	21.06	ug/l		100
92) 1,2,3-Trichlorobenzene	15.250	180	116228	20.87	ug/l		99

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

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