Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020321\
Data File : VN065704.D
Acq On : 3 Feb 2021 17:02
Operator : JC/MD
Sample : VN0203WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Manual Integrations APPROVED
MMDadoda
2/4/2021 10:33:25 AM

Quant Time: Feb 04 04:19:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 03 14:50:04 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.148	128	28604	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.547	114	161926	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.376	117	140077	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.984	65	60386	30.44	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.47%				
60) 4-Bromofluorobenzene	12.370	95	68580	30.09	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.30%				
63) Toluene-d8	10.055	98	204012	30.29	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.97%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.836	85	36129	21.14	ug/l		93
3) Chloromethane	2.036	50	53793	21.46	ug/l		99
4) Vinyl Chloride	2.168	62	51621	20.82	ug/l		98
5) Bromomethane	2.537	94	32409	21.91	ug/l		97
6) Chloroethane	2.679	64	30407	21.26	ug/l		98
7) Trichlorofluoromethane	2.994	101	54357	21.15	ug/l		98
8) Diethyl Ether	3.380	74	26022	22.08	ug/l		90
9) 1,1,2-Trichlorotrifluo...	3.717	101	33705	21.46	ug/l		91
10) 1,1-Dichloroethene	3.698	96	35372	21.15	ug/l		93
11) Methyl Iodide	3.907	142	49671	21.08	ug/l		99
12) Methyl Acetate	4.283	43	44404	21.92	ug/l		99
13) Acrolein	3.570	56	24140	88.74	ug/l		97
14) Acrylonitrile	4.936	53	94836	105.33	ug/l		99
15) Acetone	3.782	58	26580	96.49	ug/l		90
16) Carbon Disulfide	4.004	76	108518	20.68	ug/l		98
17) Allyl chloride	4.274	41	68140	21.47	ug/l		93
18) Methylene Chloride	4.499	84	43115	21.87	ug/l		98
19) trans-1,2-Dichloroethene	4.987	96	38479	21.04	ug/l		94
20) Diisopropyl ether	5.904	45	142552	22.26	ug/l		95
21) 1,1-Dichloroethane	5.795	63	75316	21.32	ug/l		99
22) cis-1,2-Dichloroethene	6.778	96	45329	21.57	ug/l		94
23) tert-Butyl Alcohol	4.769	59	33037	102.56	ug/l	#	100
24) Methyl tert-Butyl Ether	4.997	73	123642	22.12	ug/l	#	78
25) Chloroform	7.325	83	69382	21.64	ug/l		99
26) Cyclohexane	7.605	56	69637	21.06	ug/l	#	90
29) 1,1-Dichloropropene	7.746	75	56013	21.42	ug/l		97
30) 2-Butanone	6.791	43	122994	105.08	ug/l		94
31) 2,2-Dichloropropane	6.772	77	56626	20.69	ug/l		99
32) 1,1,1-Trichloroethane	7.524	97	54623	21.06	ug/l		98
33) Carbon Tetrachloride	7.727	117	45188	21.09	ug/l		97
34) Benzene	7.997	78	173474	21.48	ug/l		97
35) Methacrylonitrile	7.126	41	27727	22.55	ug/l		92
36) 1,2-Dichloroethane	8.084	62	53505	22.06	ug/l		99
37) Trichloroethene	8.798	130	42331	21.71	ug/l		84
38) Methylcyclohexane	9.042	83	65434	21.11	ug/l		95
39) 1,2-Dichloropropane	9.081	63	48303	22.01	ug/l		99
40) Dibromomethane	9.171	93	26414	21.24	ug/l		83
41) Bromodichloromethane	9.367	83	54644	21.69	ug/l		100
42) Vinyl Acetate	5.843	43	561506	109.52	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.884	43	52850	22.04	ug/l		96
44) Isopropyl Acetate	8.126	43	90886	21.92	ug/l		98
45) 1,4-Dioxane	9.174	88	15398	447.82	ug/l		94
46) Methyl methacrylate	9.164	41	41796	21.04	ug/l		96
47) n-amyl Acetate	12.042	43	71480	20.61	ug/l		98
48) t-1,3-Dichloropropene	10.347	75	62424	20.97	ug/l		97
49) cis-1,3-Dichloropropene	9.804	75	72380	21.47	ug/l		98
50) 1,1,2-Trichloroethane	10.527	97	40506	22.25	ug/l		95
51) Ethyl methacrylate	10.399	69	62686	21.39	ug/l		98
52) 1,3-Dichloropropane	10.675	76	70934	21.76	ug/l		100
53) Dibromochloromethane	10.868	129	38872	21.07	ug/l		99
54) 1,2-Dibromoethane	10.974	107	40017	21.94	ug/l		97
55) 2-Chloroethyl vinyl ether	9.659	63	122666	94.18	ug/l		97
56) Bromoform	12.096	173	24155	20.73	ug/l	#	96
58) 4-Methyl-2-Pentanone	9.949	43	258614	111.15	ug/l		98
59) 2-Hexanone	10.720	43	176317	105.87	ug/l		99
61) Tetrachloroethene	10.598	164	41343	22.41	ug/l		91
62) Toluene	10.119	91	177102	21.62	ug/l		99
64) Chlorobenzene	11.402	112	105643	21.86	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.476	131	36509	21.73	ug/l		97
66) Ethyl Benzene	11.479	91	192103	21.91	ug/l		99
67) m/p-Xylenes	11.588	106	143499	43.96	ug/l		98
68) o-Xylene	11.916	106	69297	21.80	ug/l		98
69) Styrene	11.933	104	111721	21.73	ug/l		97
70) Isopropylbenzene	12.219	105	178636	21.88	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.473	83	52198	21.79	ug/l		99
72) 1,2,3-Trichloropropane	12.521	75	47875m	20.40	ug/l		
73) Bromobenzene	12.495	156	40098	21.80	ug/l		72
74) n-propylbenzene	12.560	91	205093	21.73	ug/l		95
75) 2-Chlorotoluene	12.643	91	123482	21.59	ug/l		93
76) 1,3,5-Trimethylbenzene	12.704	105	149360	21.84	ug/l		97
77) t-1,4-Dichloro-2-butene	12.270	75	18213	19.88	ug/l		99
78) 4-Chlorotoluene	12.743	91	125364	22.04	ug/l		93
79) tert-butylbenzene	12.965	119	124169	21.99	ug/l		98
80) 1,2,4-Trimethylbenzene	13.010	105	150185	21.94	ug/l		98
81) sec-Butylbenzene	13.141	105	163664	21.70	ug/l		96
82) p-Isopropyltoluene	13.257	119	145991	21.74	ug/l		97
83) 1,3-Dichlorobenzene	13.251	146	68765	21.37	ug/l		96
84) 1,4-Dichlorobenzene	13.334	146	67801	21.48	ug/l		95
85) n-Butylbenzene	13.585	91	126388	21.57	ug/l		97
86) Hexachloroethane	13.842	117	24311	20.85	ug/l		70
87) 1,2-Dichlorobenzene	13.624	146	68158	21.19	ug/l		96
88) 1,2-Dibromo-3-Chloropr...	14.241	75	9183	19.89	ug/l	#	78
89) 1,2,4-Trichlorobenzene	14.878	180	33781	20.14	ug/l		97
90) Hexachlorobutadiene	14.977	225	16295	21.42	ug/l		97
91) Naphthalene	15.100	128	100802	18.77	ug/l		100
92) 1,2,3-Trichlorobenzene	15.280	180	33837	20.11	ug/l		98

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

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