Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040921\
Data File : VN066556.D
Acq On : 9 Apr 2021 12:26
Operator : JC/MD
Sample : VN0409WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0409WBSD01

Manual Integrations APPROVED
MMDadoda
4/12/2021 11:44:39 AM

Quant Time: Apr 12 02:28:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Apr 12 02:23:50 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.099	128	51570m	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.512	114	257383	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.347	117	238579	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.947	65	123272	31.10	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.67%				
60) 4-Bromofluorobenzene	12.345	95	107271	28.81	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.03%				
63) Toluene-d8	10.028	98	348635	31.14	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.816	85	62026	21.51	ug/l		93
3) Chloromethane	2.017	50	81694	22.53	ug/l		97
4) Vinyl Chloride	2.143	62	83162	21.82	ug/l		98
5) Bromomethane	2.502	94	57067	21.16	ug/l		95
6) Chloroethane	2.644	64	57782	23.67	ug/l		97
7) Trichlorofluoromethane	2.953	101	111795	20.34	ug/l		97
8) Diethyl Ether	3.339	74	34093	18.36	ug/l		93
9) 1,1,2-Trichlorotrifluo...	3.677	101	51404	19.11	ug/l		98
10) 1,1-Dichloroethene	3.655	96	47594	17.87	ug/l		96
11) Methyl Iodide	3.867	142	69089	18.04	ug/l		95
12) Methyl Acetate	4.227	43	78580m	19.01	ug/l		
13) Acrolein	3.527	56	51260	236.46	ug/l		94
14) Acrylonitrile	4.873	53	158908	93.19	ug/l		99
15) Acetone	3.733	58	42316	85.23	ug/l		91
16) Carbon Disulfide	3.967	76	153718	20.84	ug/l		99
17) Allyl chloride	4.227	41	85369	17.74	ug/l		97
18) Methylene Chloride	4.455	84	62793	19.73	ug/l		96
19) trans-1,2-Dichloroethene	4.935	96	54605	18.65	ug/l		96
20) Diisopropyl ether	5.847	45	212038	20.08	ug/l		94
21) 1,1-Dichloroethane	5.742	63	113125	19.79	ug/l		99
22) cis-1,2-Dichloroethene	6.732	96	64497	18.39	ug/l		98
23) tert-Butyl Alcohol	4.675	59	50560	72.23	ug/l	#	100
24) Methyl tert-Butyl Ether	4.940	73	178000	17.52	ug/l		98
25) Chloroform	7.281	83	112002	19.40	ug/l		98
26) Cyclohexane	7.571	56	90646	17.88	ug/l	#	99
29) 1,1-Dichloropropene	7.708	75	78024	20.27	ug/l		99
30) 2-Butanone	6.734	43	221529	98.20	ug/l		97
31) 2,2-Dichloropropane	6.729	77	93068	19.52	ug/l	#	80
32) 1,1,1-Trichloroethane	7.483	97	96644	20.71	ug/l		98
33) Carbon Tetrachloride	7.689	117	82749	21.01	ug/l		98
34) Benzene	7.960	78	253132	21.58	ug/l		98
35) Methacrylonitrile	7.078	41	39772	20.84	ug/l		96
36) 1,2-Dichloroethane	8.043	62	90651	21.09	ug/l		100
37) Trichloroethene	8.765	130	59468	19.44	ug/l		97
38) Methylcyclohexane	9.011	83	85492	17.95	ug/l		95
39) 1,2-Dichloropropane	9.049	63	69779	21.98	ug/l		97
40) Dibromomethane	9.137	93	43043	21.08	ug/l		97
41) Bromodichloromethane	9.333	83	89656	20.75	ug/l		98
42) Vinyl Acetate	5.790	43	900754	105.94	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.831	43	94362	21.72	ug/l	#	94
44) Isopropyl Acetate	8.089	43	154414	19.90	ug/l	#	85
45) 1,4-Dioxane	9.135	88	18072	365.14	ug/l		96
46) Methyl methacrylate	9.132	41	65359	18.04	ug/l		93
47) n-amyl Acetate	12.026	43	26577	11.04	ug/l		95
48) t-1,3-Dichloropropene	10.320	75	93128	19.84	ug/l		96
49) cis-1,3-Dichloropropene	9.773	75	100527	19.92	ug/l		95
50) 1,1,2-Trichloroethane	10.503	97	61793	21.15	ug/l		98
51) Ethyl methacrylate	10.368	69	79545	17.39	ug/l		96
52) 1,3-Dichloropropane	10.645	76	102188	20.98	ug/l		100
53) Dibromochloromethane	10.840	129	66992	20.41	ug/l		100
54) 1,2-Dibromoethane	10.945	107	61890	20.58	ug/l		99
55) 2-Chloroethyl vinyl ether	9.631	63	61485	90.43	ug/l		100
56) Bromoform	12.071	173	46608	19.35	ug/l	#	99
58) 4-Methyl-2-Pentanone	9.921	43	452607	94.69	ug/l		97
59) 2-Hexanone	10.693	43	289488	88.01	ug/l		98
61) Tetrachloroethene	10.570	164	55318	16.84	ug/l		98
62) Toluene	10.089	91	260916	19.75	ug/l		98
64) Chlorobenzene	11.374	112	151747	19.55	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.452	131	59974	19.70	ug/l		98
66) Ethyl Benzene	11.455	91	266129	18.70	ug/l		97
67) m/p-Xylenes	11.565	106	202632	38.32	ug/l		97
68) o-Xylene	11.892	106	93396	17.90	ug/l		95
69) Styrene	11.908	104	148521	17.76	ug/l		99
70) Isopropylbenzene	12.192	105	246488	17.95	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.447	83	93097	21.17	ug/l		98
72) 1,2,3-Trichloropropane	12.498	75	82126m	19.34	ug/l		
73) Bromobenzene	12.468	156	64086	18.93	ug/l		99
74) n-propylbenzene	12.535	91	289004	19.04	ug/l		98
75) 2-Chlorotoluene	12.619	91	174839	19.02	ug/l		98
76) 1,3,5-Trimethylbenzene	12.678	105	208733	18.47	ug/l		98
77) t-1,4-Dichloro-2-butene	12.246	75	21983	15.96	ug/l		97
78) 4-Chlorotoluene	12.718	91	170123	18.87	ug/l		98
79) tert-butylbenzene	12.938	119	175392	17.86	ug/l		98
80) 1,2,4-Trimethylbenzene	12.983	105	195856	17.87	ug/l		100
81) sec-Butylbenzene	13.115	105	230687	18.39	ug/l		99
82) p-Isopropyltoluene	13.233	119	197662	17.89	ug/l		98
83) 1,3-Dichlorobenzene	13.227	146	104549	18.84	ug/l		99
84) 1,4-Dichlorobenzene	13.308	146	97871	18.12	ug/l		97
85) n-Butylbenzene	13.563	91	159521	17.70	ug/l		98
86) Hexachloroethane	13.815	117	42053	20.62	ug/l		96
87) 1,2-Dichlorobenzene	13.598	146	105023	19.13	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.233	75	13386	14.92	ug/l		92
89) 1,2,4-Trichlorobenzene	14.984	180	55454	15.83	ug/l		94
90) Hexachlorobutadiene	15.107	225	36325	19.13	ug/l		99
91) Naphthalene	15.266	128	143874	13.49	ug/l		99
92) 1,2,3-Trichlorobenzene	15.502	180	54578	15.90	ug/l		100

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

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