Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100821\
Data File : VN068850.D
Acq On : 8 Oct 2021 15:54
Operator : JC/MD
Sample : VN1008WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Manual Integrations APPROVED
MMDadoda
10/13/2021 12:37:58 PM

Quant Time: Oct 11 04:52:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 29 08:56:32 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.662	128	77314	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.971	114	421646	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.746	117	395514	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.440	65	185428	31.12	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.73%				
60) 4-Bromofluorobenzene	12.733	95	174727	28.28	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.27%				
63) Toluene-d8	10.443	98	560314	31.34	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.47%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.075	85	53095	15.49	ug/l		100
3) Chloromethane	2.303	50	73740	16.81	ug/l		97
4) Vinyl Chloride	2.445	62	146656	17.14	ug/l		98
5) Bromomethane	2.856	94	141907	17.09	ug/l		97
6) Chloroethane	3.022	64	135576	19.50	ug/l		97
7) Trichlorofluoromethane	3.379	101	134556	18.86	ug/l		95
8) Diethyl Ether	3.829	74	43207	17.68	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.218	101	75667	18.32	ug/l		71
10) 1,1-Dichloroethene	4.186	96	67406	17.68	ug/l		96
11) Methyl Iodide	4.427	142	88847	19.32	ug/l		98
12) Methyl Acetate	4.859	43	116567	17.70	ug/l		94
13) Acrolein	4.046	56	18070	65.37	ug/l		98
14) Acrylonitrile	5.556	53	185344	87.65	ug/l	#	89
15) Acetone	4.285	58	56924	97.18	ug/l		92
16) Carbon Disulfide	4.535	76	165669	16.05	ug/l		98
17) Allyl chloride	4.846	41	103766	17.13	ug/l		98
18) Methylene Chloride	5.103	84	92144	19.24	ug/l		96
19) trans-1,2-Dichloroethene	5.602	96	79845	17.72	ug/l		98
20) Diisopropyl ether	6.498	45	254195	18.05	ug/l		97
21) 1,1-Dichloroethane	6.388	63	151921	18.58	ug/l		99
22) cis-1,2-Dichloroethene	7.329	96	96855	17.66	ug/l		98
23) tert-Butyl Alcohol	5.363	59	69047	88.01	ug/l	#	100
24) Methyl tert-Butyl Ether	5.621	73	258995	17.29	ug/l		100
25) Chloroform	7.820	83	179169	18.58	ug/l		99
26) Cyclohexane	8.102	56	117529	16.51	ug/l	#	97
29) 1,1-Dichloropropene	8.225	75	119828	17.88	ug/l		98
30) 2-Butanone	7.335	43	278437	92.51	ug/l		100
31) 2,2-Dichloropropane	7.327	77	144485	18.77	ug/l		97
32) 1,1,1-Trichloroethane	8.018	97	158435	18.45	ug/l		97
33) Carbon Tetrachloride	8.209	117	138516	18.15	ug/l		98
34) Benzene	8.461	78	363523	18.29	ug/l		96
35) Methacrylonitrile	7.643	41	52483	17.40	ug/l		94
36) 1,2-Dichloroethane	8.531	62	141546	19.03	ug/l		99
37) Trichloroethene	9.217	130	95428	18.16	ug/l		97
38) Methylcyclohexane	9.464	83	134640	16.23	ug/l		97
39) 1,2-Dichloropropane	9.491	63	92913	18.87	ug/l		97
40) Dibromomethane	9.579	93	71110	18.30	ug/l		98
41) Bromodichloromethane	9.762	83	144455	18.96	ug/l		95
42) Vinyl Acetate	6.433	43	984776m	88.36	ug/l		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.412	43	103785	17.25	ug/l		97
44) Isopropyl Acetate	8.560	43	194739	17.87	ug/l		100
45) 1,4-Dioxane	9.566	88	35679	404.41	ug/l		97
46) Methyl methacrylate	9.561	41	80841	16.77	ug/l		97
47) n-amyl Acetate	12.390	43	143297	15.53	ug/l		99
48) t-1,3-Dichloropropene	10.719	75	142272	17.18	ug/l		98
49) cis-1,3-Dichloropropene	10.191	75	148189	17.50	ug/l		100
50) 1,1,2-Trichloroethane	10.899	97	99814	18.53	ug/l		98
51) Ethyl methacrylate	10.762	69	131892	16.26	ug/l		98
52) 1,3-Dichloropropane	11.046	76	158058	18.14	ug/l		98
53) Dibromochloromethane	11.240	129	109086	17.83	ug/l		98
54) 1,2-Dibromoethane	11.347	107	98444	17.42	ug/l		96
55) 2-Chloroethyl vinyl ether	10.043	63	157667	69.61	ug/l		99
56) Bromoform	12.462	173	70574	16.00	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.330	43	602561	90.26	ug/l		98
59) 2-Hexanone	11.087	43	429348	88.29	ug/l		98
61) Tetrachloroethene	10.979	164	86549	18.67	ug/l		95
62) Toluene	10.507	91	436735	18.47	ug/l		100
64) Chlorobenzene	11.773	112	263618	18.17	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.846	131	102918	18.29	ug/l		100
66) Ethyl Benzene	11.848	91	463836	17.41	ug/l		99
67) m/p-Xylenes	11.956	106	360824	35.07	ug/l		100
68) o-Xylene	12.283	106	176799	17.46	ug/l		97
69) Styrene	12.296	104	282963	16.93	ug/l		99
70) Isopropylbenzene	12.580	105	463626	17.26	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.830	83	136788	18.08	ug/l		99
72) 1,2,3-Trichloropropane	12.884	75	122434m	19.97	ug/l		
73) Bromobenzene	12.862	156	103696	17.06	ug/l		98
74) n-propylbenzene	12.924	91	535024	17.38	ug/l		99
75) 2-Chlorotoluene	13.010	91	317143	17.65	ug/l		99
76) 1,3,5-Trimethylbenzene	13.063	105	386631	17.43	ug/l		99
77) t-1,4-Dichloro-2-butene	12.629	75	36954	15.45	ug/l		94
78) 4-Chlorotoluene	13.106	91	300634	16.89	ug/l		99
79) tert-butylbenzene	13.326	119	333983	17.25	ug/l		98
80) 1,2,4-Trimethylbenzene	13.372	105	375695m	17.09	ug/l		
81) sec-Butylbenzene	13.503	105	479640	17.28	ug/l		99
82) p-Isopropyltoluene	13.618	119	382694	16.64	ug/l		100
83) 1,3-Dichlorobenzene	13.618	146	190376	16.88	ug/l		99
84) 1,4-Dichlorobenzene	13.699	146	181463	16.91	ug/l		99
85) n-Butylbenzene	13.946	91	312342	16.51	ug/l		97
86) Hexachloroethane	14.211	117	75441	17.43	ug/l		98
87) 1,2-Dichlorobenzene	13.991	146	184059	17.65	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	23389	17.28	ug/l		97
89) 1,2,4-Trichlorobenzene	15.268	180	74468	14.53	ug/l		98
90) Hexachlorobutadiene	15.372	225	47882	18.75	ug/l		98
91) Naphthalene	15.509	128	165019	11.41	ug/l		98
92) 1,2,3-Trichlorobenzene	15.702	180	70595	14.37	ug/l		99

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

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