Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100821\
Data File : VN068855.D
Acq On : 8 Oct 2021 18:10
Operator : JC/MD
Sample : VN1008WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Manual Integrations APPROVED
MMDadoda
10/13/2021 12:38:05 PM

Quant Time: Oct 11 04:54:39 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	60752	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.968	114	324739	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.747	117	310438	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.437	65	150982	32.24	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.47%				
60) 4-Bromofluorobenzene	12.733	95	137295	28.31	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.37%				
63) Toluene-d8	10.443	98	445527	31.75	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.83%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.075	85	54112	20.08	ug/l		99
3) Chloromethane	2.306	50	75553	21.91	ug/l		94
4) Vinyl Chloride	2.445	62	152725	22.72	ug/l		98
5) Bromomethane	2.856	94	139145	21.33	ug/l		99
6) Chloroethane	3.019	64	132005	24.16	ug/l		98
7) Trichlorofluoromethane	3.376	101	126599	22.58	ug/l		96
8) Diethyl Ether	3.829	74	41898	21.82	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.216	101	72028	22.19	ug/l		61
10) 1,1-Dichloroethene	4.186	96	61994	20.69	ug/l		97
11) Methyl Iodide	4.425	142	83175m	23.02	ug/l		
12) Methyl Acetate	4.859	43	116517	22.52	ug/l		97
13) Acrolein	4.047	56	15887	73.14	ug/l		97
14) Acrylonitrile	5.557	53	178755	107.58	ug/l		96
15) Acetone	4.291	58	49542	107.64	ug/l		89
16) Carbon Disulfide	4.537	76	154041	18.99	ug/l		98
17) Allyl chloride	4.849	41	99656	20.94	ug/l		96
18) Methylene Chloride	5.101	84	85860	22.82	ug/l		98
19) trans-1,2-Dichloroethene	5.599	96	73349	20.72	ug/l		98
20) Diisopropyl ether	6.498	45	238158	21.52	ug/l		94
21) 1,1-Dichloroethane	6.391	63	145191	22.60	ug/l		100
22) cis-1,2-Dichloroethene	7.324	96	91973	21.35	ug/l		98
23) tert-Butyl Alcohol	5.363	59	66493	107.85	ug/l	#	100
24) Methyl tert-Butyl Ether	5.616	73	255865m	21.74	ug/l		
25) Chloroform	7.820	83	170183	22.47	ug/l		97
26) Cyclohexane	8.096	56	107135	19.16	ug/l	#	95
29) 1,1-Dichloropropene	8.222	75	110368	21.39	ug/l		98
30) 2-Butanone	7.337	43	261513	112.82	ug/l	#	98
31) 2,2-Dichloropropane	7.329	77	129000	21.75	ug/l	#	77
32) 1,1,1-Trichloroethane	8.019	97	149810	22.65	ug/l		96
33) Carbon Tetrachloride	8.209	117	128958	21.94	ug/l		97
34) Benzene	8.461	78	342295	22.36	ug/l		96
35) Methacrylonitrile	7.638	41	45609	19.64	ug/l		96
36) 1,2-Dichloroethane	8.534	62	134283	23.45	ug/l		100
37) Trichloroethene	9.220	130	86103	21.27	ug/l		91
38) Methylcyclohexane	9.461	83	122020	19.10	ug/l		98
39) 1,2-Dichloropropane	9.491	63	87393	23.05	ug/l		99
40) Dibromomethane	9.577	93	69635	23.26	ug/l		96
41) Bromodichloromethane	9.765	83	135249	23.05	ug/l		94
42) Vinyl Acetate	6.436	43	953937m	111.14	ug/l		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.412	43	107220	23.14	ug/l		96
44) Isopropyl Acetate	8.563	43	188584	22.47	ug/l		98
45) 1,4-Dioxane	9.569	88	33300	490.09	ug/l		97
46) Methyl methacrylate	9.561	41	78474	21.14	ug/l		96
47) n-amyl Acetate	12.390	43	139197	19.59	ug/l		99
48) t-1,3-Dichloropropene	10.722	75	129751	20.35	ug/l		100
49) cis-1,3-Dichloropropene	10.191	75	137418	21.07	ug/l		98
50) 1,1,2-Trichloroethane	10.899	97	93968	22.65	ug/l		99
51) Ethyl methacrylate	10.762	69	127224	20.36	ug/l		98
52) 1,3-Dichloropropane	11.047	76	150244	22.38	ug/l		99
53) Dibromochloromethane	11.240	129	103903	22.05	ug/l		98
54) 1,2-Dibromoethane	11.350	107	93811	21.56	ug/l		97
55) 2-Chloroethyl vinyl ether	10.043	63	154299	88.46	ug/l		98
56) Bromoform	12.460	173	69734	20.52	ug/l	#	96
58) 4-Methyl-2-Pentanone	10.333	43	591832	112.95	ug/l		99
59) 2-Hexanone	11.087	43	410481	107.54	ug/l		98
61) Tetrachloroethene	10.980	164	78111	21.47	ug/l		99
62) Toluene	10.507	91	395175	21.29	ug/l		99
64) Chlorobenzene	11.773	112	244543	21.47	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.843	131	96451	21.83	ug/l		99
66) Ethyl Benzene	11.846	91	431408	20.63	ug/l		99
67) m/p-Xylenes	11.956	106	326010	40.37	ug/l		97
68) o-Xylene	12.283	106	159880	20.11	ug/l		98
69) Styrene	12.296	104	260800	19.88	ug/l		99
70) Isopropylbenzene	12.581	105	421720	20.00	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.827	83	133482	22.47	ug/l		100
72) 1,2,3-Trichloropropane	12.884	75	115085m	23.91	ug/l		
73) Bromobenzene	12.865	156	96837	20.29	ug/l		99
74) n-propylbenzene	12.924	91	484253	20.04	ug/l		100
75) 2-Chlorotoluene	13.010	91	291051	20.63	ug/l		99
76) 1,3,5-Trimethylbenzene	13.061	105	356321	20.47	ug/l		98
77) t-1,4-Dichloro-2-butene	12.629	75	35272	18.79	ug/l		98
78) 4-Chlorotoluene	13.106	91	275457	19.71	ug/l		98
79) tert-butylbenzene	13.326	119	310840	20.45	ug/l		98
80) 1,2,4-Trimethylbenzene	13.372	105	347470m	20.13	ug/l		
81) sec-Butylbenzene	13.503	105	434603	19.95	ug/l		99
82) p-Isopropyltoluene	13.619	119	341418	18.92	ug/l		100
83) 1,3-Dichlorobenzene	13.619	146	172669	19.50	ug/l		99
84) 1,4-Dichlorobenzene	13.696	146	159960	18.99	ug/l		98
85) n-Butylbenzene	13.946	91	266666	17.96	ug/l		98
86) Hexachloroethane	14.211	117	69429	20.44	ug/l		98
87) 1,2-Dichlorobenzene	13.991	146	171100	20.90	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	22416	21.10	ug/l		96
89) 1,2,4-Trichlorobenzene	15.265	180	65664	16.33	ug/l		99
90) Hexachlorobutadiene	15.370	225	41441	20.67	ug/l		96
91) Naphthalene	15.509	128	161305	14.21	ug/l		98
92) 1,2,3-Trichlorobenzene	15.705	180	67163	17.42	ug/l		97

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

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