Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
Data File : VN066710.D
Acq On : 22 Apr 2021 13:18
Operator : JC/MD
Sample : VN0422WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Manual Integrations APPROVED
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4/23/2021 1:15:11 PM

Quant Time: Apr 23 06:28:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Apr 21 16:55:39 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.108	128	52262	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.516	114	281315	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.348	117	254526	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.950	65	110674	29.39	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.97%				
60) 4-Bromofluorobenzene	12.346	95	117032	29.34	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.80%				
63) Toluene-d8	10.026	98	355470	30.35	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.17%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.835	85	45856	17.82	ug/l		95
3) Chloromethane	2.037	50	70119	17.51	ug/l		99
4) Vinyl Chloride	2.163	62	67537	17.70	ug/l		99
5) Bromomethane	2.517	94	42585	18.98	ug/l		98
6) Chloroethane	2.659	64	41933	18.01	ug/l		95
7) Trichlorofluoromethane	2.973	101	79249	18.65	ug/l		98
8) Diethyl Ether	3.356	74	34975	18.54	ug/l		94
9) 1,1,2-Trichlorotrifluo...	3.697	101	50660	18.80	ug/l		99
10) 1,1-Dichloroethene	3.673	96	49458	18.21	ug/l		90
11) Methyl Iodide	3.884	142	74775	18.18	ug/l		96
12) Methyl Acetate	4.252	43	63203	17.07	ug/l		98
13) Acrolein	3.547	56	50603	96.63	ug/l		94
14) Acrylonitrile	4.893	53	144383	88.74	ug/l		98
15) Acetone	3.750	58	37725	88.33	ug/l		81
16) Carbon Disulfide	3.986	76	148771	17.76	ug/l		100
17) Allyl chloride	4.244	41	98567	18.31	ug/l		89
18) Methylene Chloride	4.469	84	63785	18.35	ug/l		99
19) trans-1,2-Dichloroethene	4.949	96	56456	18.36	ug/l		93
20) Diisopropyl ether	5.864	45	206329	18.22	ug/l		99
21) 1,1-Dichloroethane	5.756	63	112587	18.49	ug/l		99
22) cis-1,2-Dichloroethene	6.735	96	66060	18.52	ug/l		99
23) tert-Butyl Alcohol	4.700	59	45916	82.90	ug/l	#	100
24) Methyl tert-Butyl Ether	4.955	73	174754	18.45	ug/l	#	71
25) Chloroform	7.288	83	106464	18.26	ug/l		98
26) Cyclohexane	7.572	56	95084	18.16	ug/l	#	97
29) 1,1-Dichloropropene	7.717	75	78334	17.68	ug/l		99
30) 2-Butanone	6.743	43	178259	83.36	ug/l		99
31) 2,2-Dichloropropane	6.733	77	91032	17.84	ug/l		98
32) 1,1,1-Trichloroethane	7.492	97	87584	17.51	ug/l		98
33) Carbon Tetrachloride	7.698	117	74089	17.54	ug/l		93
34) Benzene	7.966	78	254188	17.81	ug/l		97
35) Methacrylonitrile	7.084	41	33272	16.16	ug/l		98
36) 1,2-Dichloroethane	8.047	62	79498	16.96	ug/l		97
37) Trichloroethene	8.768	130	61290	18.06	ug/l		98
38) Methylcyclohexane	9.012	83	93724	17.75	ug/l		96
39) 1,2-Dichloropropane	9.050	63	69200	17.75	ug/l		98
40) Dibromomethane	9.141	93	41175	17.62	ug/l		99
41) Bromodichloromethane	9.337	83	85383	17.41	ug/l		99
42) Vinyl Acetate	5.805	43	830650	86.66	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.840	43	71018	15.10	ug/l	#	78
44) Isopropyl Acetate	8.090	43	134574	17.16	ug/l	#	87
45) 1,4-Dioxane	9.130	88	16872	295.62	ug/l		98
46) Methyl methacrylate	9.136	41	58314	16.27	ug/l		89
47) n-amyl Acetate	12.035	43	21337	4.93	ug/l		99
48) t-1,3-Dichloropropene	10.321	75	91161	17.01	ug/l		99
49) cis-1,3-Dichloropropene	9.777	75	103992	17.56	ug/l		90
50) 1,1,2-Trichloroethane	10.501	97	59992	17.46	ug/l		96
51) Ethyl methacrylate	10.369	69	79733	16.43	ug/l		91
52) 1,3-Dichloropropane	10.646	76	101311	17.32	ug/l		99
53) Dibromochloromethane	10.841	129	63901	17.20	ug/l		99
54) 1,2-Dibromoethane	10.943	107	59282	17.21	ug/l		99
55) 2-Chloroethyl vinyl ether	9.632	63	55496	74.79	ug/l		99
56) Bromoform	12.072	173	43576	16.27	ug/l	#	100
58) 4-Methyl-2-Pentanone	9.919	43	375140	86.54	ug/l		98
59) 2-Hexanone	10.694	43	223278	80.12	ug/l		98
61) Tetrachloroethene	10.571	164	56156	19.99	ug/l		96
62) Toluene	10.093	91	266331	18.43	ug/l		100
64) Chlorobenzene	11.375	112	156428	18.10	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.448	131	60065	18.51	ug/l		100
66) Ethyl Benzene	11.453	91	277585	17.98	ug/l		98
67) m/p-Xylenes	11.563	106	210051	36.25	ug/l		99
68) o-Xylene	11.890	106	101792	18.12	ug/l		100
69) Styrene	11.909	104	155680	17.23	ug/l		97
70) Isopropylbenzene	12.193	105	265766	18.10	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.448	83	86237	17.79	ug/l		100
72) 1,2,3-Trichloropropane	12.496	75	69086m	16.37	ug/l		
73) Bromobenzene	12.469	156	66061	17.79	ug/l		99
74) n-propylbenzene	12.534	91	302251	17.74	ug/l		100
75) 2-Chlorotoluene	12.617	91	187295	18.36	ug/l		99
76) 1,3,5-Trimethylbenzene	12.676	105	220857	17.79	ug/l		99
77) t-1,4-Dichloro-2-butene	12.247	75	20340	15.26	ug/l		88
78) 4-Chlorotoluene	12.716	91	180115	18.01	ug/l		100
79) tert-butylbenzene	12.936	119	188387	18.13	ug/l		98
80) 1,2,4-Trimethylbenzene	12.982	105	213248	17.91	ug/l		98
81) sec-Butylbenzene	13.116	105	250307	18.10	ug/l		99
82) p-Isopropyltoluene	13.234	119	211433	17.87	ug/l		98
83) 1,3-Dichlorobenzene	13.228	146	110845	17.98	ug/l		99
84) 1,4-Dichlorobenzene	13.309	146	102856	17.28	ug/l		96
85) n-Butylbenzene	13.561	91	160916	16.36	ug/l		98
86) Hexachloroethane	13.816	117	42092	16.90	ug/l		97
87) 1,2-Dichlorobenzene	13.599	146	113165	18.69	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.221	75	12444	14.94	ug/l		97
89) 1,2,4-Trichlorobenzene	14.854	180	59028	16.87	ug/l		95
90) Hexachlorobutadiene	14.948	225	36834	18.79	ug/l		99
91) Naphthalene	15.074	128	136739	16.25	ug/l		99
92) 1,2,3-Trichlorobenzene	15.251	180	57931	17.50	ug/l		98

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

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