Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
Data File : VN066581.D
Acq On : 13 Apr 2021 16:14
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041321

Manual Integrations APPROVED
MMDadoda
4/15/2021 7:48:14 PM

Quant Time: Apr 15 19:24:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 15 19:20:03 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.091	128	48825m	30.00	ug/l		-0.02
28) 1,4-Difluorobenzene	8.510	114	232835	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.347	117	227989	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.941	65	131281	29.16	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.20%				
60) 4-Bromofluorobenzene	12.342	95	106547	30.69	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.30%				
63) Toluene-d8	10.022	98	333577	30.53	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.77%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.815	85	65490	18.59	ug/l		100
3) Chloromethane	2.014	50	87004	17.61	ug/l		99
4) Vinyl Chloride	2.143	62	79912	17.66	ug/l		97
5) Bromomethane	2.510	94	52402	17.33	ug/l		99
6) Chloroethane	2.647	64	53913	17.88	ug/l		96
7) Trichlorofluoromethane	2.955	101	114079	17.52	ug/l		97
8) Diethyl Ether	3.333	74	41495	17.28	ug/l		69
9) 1,1,2-Trichlorotrifluo...	3.671	101	60833	18.10	ug/l		88
10) 1,1-Dichloroethene	3.650	96	58005	17.70	ug/l		86
11) Methyl Iodide	3.859	142	76002	18.70	ug/l		90
12) Methyl Acetate	4.229	43	107153	15.75	ug/l	#	89
13) Acrolein	3.524	56	58559	80.20	ug/l		99
14) Acrylonitrile	4.870	53	146158	81.04	ug/l		100
15) Acetone	3.733	58	58906	88.65	ug/l		69
16) Carbon Disulfide	3.956	76	191911	17.03	ug/l		100
17) Allyl chloride	4.216	41	142199	16.42	ug/l		93
18) Methylene Chloride	4.438	84	62350	16.80	ug/l	#	84
19) trans-1,2-Dichloroethene	4.921	96	53891	17.20	ug/l		94
20) Diisopropyl ether	5.846	45	226120	17.91	ug/l		93
21) 1,1-Dichloroethane	5.734	63	117917	17.57	ug/l		99
22) cis-1,2-Dichloroethene	6.721	96	59156	17.43	ug/l	#	79
23) tert-Butyl Alcohol	4.699	59	46901m	78.09	ug/l		
24) Methyl tert-Butyl Ether	4.932	73	171566	17.42	ug/l		96
25) Chloroform	7.279	83	114766	17.42	ug/l		95
26) Cyclohexane	7.560	56	90854	15.86	ug/l	#	95
29) 1,1-Dichloropropene	7.702	75	81360	17.55	ug/l		96
30) 2-Butanone	6.737	43	219981	83.97	ug/l	#	91
31) 2,2-Dichloropropane	6.721	77	101172	17.89	ug/l	#	72
32) 1,1,1-Trichloroethane	7.477	97	100961	17.75	ug/l		97
33) Carbon Tetrachloride	7.684	117	83312	17.36	ug/l		96
34) Benzene	7.955	78	243277	17.48	ug/l	#	91
35) Methacrylonitrile	7.080	41	46470m	18.30	ug/l		
36) 1,2-Dichloroethane	8.040	62	95001	16.76	ug/l		99
37) Trichloroethene	8.756	130	55221	17.49	ug/l		97
38) Methylcyclohexane	9.006	83	82299	17.94	ug/l		88
39) 1,2-Dichloropropane	9.041	63	69332m	17.67	ug/l		
40) Dibromomethane	9.135	93	42208	17.05	ug/l		92
41) Bromodichloromethane	9.330	83	91449	16.93	ug/l		99
42) Vinyl Acetate	5.787	43	940400	89.75	ug/l		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.836	43	95702m	16.39	ug/l		
44) Isopropyl Acetate	8.086	43	154523m	16.92	ug/l		
45) 1,4-Dioxane	9.132	88	14655	295.37	ug/l	#	83
46) Methyl methacrylate	9.132	41	67504	16.19	ug/l		87
47) n-amyl Acetate	12.020	43	45238	17.10	ug/l		100
48) t-1,3-Dichloropropene	10.317	75	91079	17.34	ug/l		99
49) cis-1,3-Dichloropropene	9.770	75	98535	17.63	ug/l		91
50) 1,1,2-Trichloroethane	10.500	97	56716	16.97	ug/l		96
51) Ethyl methacrylate	10.368	69	69479	16.32	ug/l		85
52) 1,3-Dichloropropane	10.645	76	99436	17.37	ug/l		99
53) Dibromochloromethane	10.838	129	62459	17.14	ug/l		100
54) 1,2-Dibromoethane	10.940	107	57065	17.40	ug/l		96
55) 2-Chloroethyl vinyl ether	9.628	63	34756	88.28	ug/l		99
56) Bromoform	12.069	173	39915	16.88	ug/l	#	99
58) 4-Methyl-2-Pentanone	9.918	43	450590m	83.63	ug/l		
59) 2-Hexanone	10.693	43	295450	84.60	ug/l		92
61) Tetrachloroethene	10.567	164	50796	18.20	ug/l		97
62) Toluene	10.087	91	248108	17.62	ug/l		98
64) Chlorobenzene	11.371	112	146693	17.98	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.446	131	57613	17.14	ug/l		99
66) Ethyl Benzene	11.452	91	257520	17.89	ug/l		95
67) m/p-Xylenes	11.562	106	191478	35.68	ug/l		97
68) o-Xylene	11.889	106	87042	17.72	ug/l		96
69) Styrene	11.905	104	145171	17.78	ug/l		97
70) Isopropylbenzene	12.192	105	236632	18.18	ug/l		97
71) 1,1,2,2-Tetrachloroethane	12.447	83	81326	16.61	ug/l		99
72) 1,2,3-Trichloropropane	12.498	75	77737m	17.00	ug/l		
73) Bromobenzene	12.466	156	58226	18.26	ug/l		91
74) n-propylbenzene	12.533	91	283736	18.43	ug/l		97
75) 2-Chlorotoluene	12.616	91	171180	17.75	ug/l		96
76) 1,3,5-Trimethylbenzene	12.677	105	195083	17.70	ug/l		98
77) t-1,4-Dichloro-2-butene	12.243	75	17150	16.53	ug/l		90
78) 4-Chlorotoluene	12.715	91	163570	18.20	ug/l		99
79) tert-butylbenzene	12.935	119	160339	17.71	ug/l		96
80) 1,2,4-Trimethylbenzene	12.983	105	189504	18.24	ug/l		98
81) sec-Butylbenzene	13.115	105	224039	18.11	ug/l		97
82) p-Isopropyltoluene	13.233	119	187184	18.12	ug/l		97
83) 1,3-Dichlorobenzene	13.227	146	101242	18.14	ug/l		99
84) 1,4-Dichlorobenzene	13.308	146	97742	16.96	ug/l		93
85) n-Butylbenzene	13.560	91	154867	16.95	ug/l		96
86) Hexachloroethane	13.815	117	41051	16.46	ug/l		81
87) 1,2-Dichlorobenzene	13.597	146	98035	17.97	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.236	75	10418	11.49	ug/l	#	68
89) 1,2,4-Trichlorobenzene	14.981	180	52230	16.34	ug/l		98
90) Hexachlorobutadiene	15.107	225	31310	17.30	ug/l		97
91) Naphthalene	15.266	128	134581	15.71	ug/l		98
92) 1,2,3-Trichlorobenzene	15.502	180	51002	16.51	ug/l		95

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

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