Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
Data File : VU046641.D
Acq On : 30 Dec 2021 09:21
Operator : SY/MD
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 30 10:58:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U123021DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Dec 30 10:57:02 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2021
Supervised By :Mahesh Dadoda 01/03/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	18851	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	6361	0.930	ug/l	0.00
Spiked Amount 1.000			Recovery = 93.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	6743	1.027	ug/l	0.00
Spiked Amount 1.000			Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	7581	1.068	ug/l	98
3) Chloromethane	1.523	50	6765	0.930	ug/l	98
4) Vinyl Chloride	1.607	62	7230	0.956	ug/l	98
5) Bromomethane	1.864	94	3752	0.905	ug/l	90
6) Chloroethane	1.941	64	4318	0.889	ug/l	94
7) Trichlorofluoromethane	2.144	101	10126	1.121	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	5695	1.101	ug/l	97
9) 1,1-Dichloroethene	2.588	96	5108	1.051	ug/l	93
10) Iodomethane	2.729	142	3289	0.660	ug/l	92
11) Allyl Chloride	2.932	41	6252	0.897	ug/l	94
12) Acrylonitrile	3.337	53	2736m	2.188	ug/l	
13) Acetone	2.668	43	6666m	4.695	ug/l	
14) Carbon Disulfide	2.800	76	16915	1.135	ug/l	98
15) Methylene Chloride	3.054	84	6860	1.168	ug/l	92
16) trans-1,2-Dichloroethene	3.356	96	5159	0.987	ug/l	94
17) 1,1-Dichloroethane	3.877	63	10066	1.033	ug/l	97
18) 2-Butanone	4.742	43	9118m	4.924	ug/l	
19) Cyclohexane	5.395	56	6203	0.716	ug/l	86
20) Methylcyclohexane	6.768	83	6829	0.774	ug/l	97
21) 2,2-Dichloropropane	4.668	77	8581	1.033	ug/l	97
22) cis-1,2-Dichloroethene	4.671	96	5533	0.966	ug/l	97
23) Diethyl Ether	2.385	59	3953	0.889	ug/l	97
24) tert-Butyl Alcohol	3.359	59	3047m	8.027	ug/l	
25) Methyl tert-Butyl Ether	3.369	73	11509	0.857	ug/l	98
26) Bromochloromethane	4.977	128	2842	1.139	ug/l	94
27) Chloroform	5.096	83	11488	1.138	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	9852	1.182	ug/l	94
29) 1,1-Dichloropropene	5.530	75	7203	0.958	ug/l	98
30) Carbon Tetrachloride	5.533	117	9022	1.356	ug/l	98
31) Isopropyl Ether	3.999	45	11538	0.766	ug/l	92
32) Ethyl-t-butyl ether	4.510	59	11388	0.754	ug/l	96
33) Tert-Amyl methyl ether	5.944	73	10574	0.781	ug/l #	95
34) Propionitrile	4.835	54	2708m	5.741	ug/l	
35) Benzene	5.780	78	21059	0.972	ug/l	97
36) 1,2-Dichloroethane	5.800	62	7255	1.038	ug/l	98
37) Trichloroethene	6.546	130	5475	1.038	ug/l	99
38) 1,2-Dichloropropane	6.793	63	5691	1.012	ug/l	95
39) Methacrylonitrile	4.989	41	1815	0.976	ug/l #	26
40) Methyl acrylate	4.861	55	2301	0.734	ug/l #	87
41) Tetrahydrofuran	5.083	42	1601	1.508	ug/l	92
42) 1-Chlorobutane	5.465	56	9013	0.843	ug/l	94
43) Dibromomethane	6.922	93	3335	1.163	ug/l	96
44) Bromodichloromethane	7.108	83	8738	1.230	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	15938	4.183	ug/l		97
46) t-1,4-Dichloro-2-butene	10.835	75	3303m	2.358	ug/l		
47) Methyl methacrylate	6.967	69	4851	1.704	ug/l		91
48) Ethyl methacrylate	8.333	69	4144	0.752	ug/l		90
49) Toluene	7.973	92	11000	0.824	ug/l		94
50) t-1,3-Dichloropropene	8.214	75	6875	0.999	ug/l		93
51) cis-1,3-Dichloropropene	7.613	75	7615	0.956	ug/l		90
52) 1,1,2-Trichloroethane	8.404	97	4734	1.154	ug/l		95
53) 1,3-Dichloropropane	8.578	76	8154	1.074	ug/l		98
54) 2-Hexanone	8.690	43	11159	3.803	ug/l		93
55) Dibromochloromethane	8.812	129	5759	1.300	ug/l		99
56) 1,2-Dibromoethane	8.925	107	4351	1.124	ug/l		97
58) Tetrachloroethene	8.558	164	4666	0.981	ug/l		94
59) Chlorobenzene	9.449	112	12823	0.929	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.536	131	5611	1.189	ug/l		99
61) Pentachloroethane	11.433	117	4552	1.310	ug/l		95
62) Hexachloroethane	12.478	117	4688	1.282	ug/l		91
63) Ethyl Benzene	9.571	91	18888	0.764	ug/l		99
64) m/p-Xylenes	9.697	106	14574	1.542	ug/l		98
65) o-Xylene	10.102	106	7052	0.768	ug/l		96
66) Styrene	10.118	104	12189	0.803	ug/l		94
67) Bromoform	10.295	173	3476	1.462	ug/l		100
69) Isopropylbenzene	10.484	105	18600	0.774	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.787	83	6131	1.154	ug/l		95
71) 1,2,3-Trichloropropane	10.832	75	3750m	0.879	ug/l		
72) Bromobenzene	10.783	156	5553	1.024	ug/l		87
73) n-propylbenzene	10.909	120	5565	0.875	ug/l		86
74) 2-Chlorotoluene	10.989	126	4853	0.884	ug/l		93
75) 1,3,5-Trimethylbenzene	11.089	105	15195	0.752	ug/l		98
76) 4-Chlorotoluene	11.099	126	5034	0.889	ug/l		92
77) tert-Butylbenzene	11.423	119	16260	0.828	ug/l		94
78) 1,2,4-Trimethylbenzene	11.468	105	15393	0.745	ug/l		100
79) sec-Butylbenzene	11.645	105	20876	0.772	ug/l		97
80) Nitrobenzene	13.217	77	1008	5.895	ug/l	#	81
81) p-Isopropyltoluene	11.793	119	16873	0.775	ug/l		99
82) 1,3-Dichlorobenzene	11.748	146	11503	1.059	ug/l		97
83) 1,4-Dichlorobenzene	11.838	146	11113	1.029	ug/l		97
84) n-Butylbenzene	12.211	91	16878	0.819	ug/l		95
85) 1,2-Dichlorobenzene	12.214	146	11083	1.071	ug/l		100
86) 1,2-Dibromo-3-Chloropr...	12.999	75	1164	1.284	ug/l		91
87) 1,2,4-Trichlorobenzene	13.841	180	6207	0.973	ug/l		99
88) Hexachlorobutadiene	14.024	225	4135	1.336	ug/l		97
89) Naphthalene	14.089	128	9746	0.774	ug/l		97
90) 1,2,3-Trichlorobenzene	14.333	180	5843	0.970	ug/l		98

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

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