Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
Data File : VU046648.D
Acq On : 30 Dec 2021 14:59
Operator : SY/MD
Sample : VU1230WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 31 07:24:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U123021DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Dec 30 12:44:59 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU1230WBS01

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	19556	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	6972	1.002	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	7423	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	13930	1.858	ug/l	99
3) Chloromethane	1.523	50	12301	1.856	ug/l	98
4) Vinyl Chloride	1.607	62	12569	1.764	ug/l	100
5) Bromomethane	1.864	94	6898	1.854	ug/l	99
6) Chloroethane	1.938	64	7916	1.873	ug/l	95
7) Trichlorofluoromethane	2.144	101	18173	1.821	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	10311	1.856	ug/l	97
9) 1,1-Dichloroethene	2.587	96	9307	1.785	ug/l	97
10) Iodomethane	2.729	142	8283	2.073	ug/l #	86
11) Allyl Chloride	2.928	41	11739	1.785	ug/l	94
12) Acrylonitrile	3.343	53	4602	3.306	ug/l	89
13) Acetone	2.661	43	11121m	8.877	ug/l	
14) Carbon Disulfide	2.800	76	30786	1.847	ug/l	98
15) Methylene Chloride	3.050	84	12051	1.928	ug/l	95
16) trans-1,2-Dichloroethene	3.362	96	9701	1.781	ug/l	95
17) 1,1-Dichloroethane	3.877	63	18569	1.827	ug/l	97
18) 2-Butanone	4.726	43	15013	8.020	ug/l	97
19) Cyclohexane	5.394	56	10991	1.651	ug/l #	81
20) Methylcyclohexane	6.767	83	12865	1.636	ug/l	99
21) 2,2-Dichloropropane	4.671	77	15280	1.764	ug/l	98
22) cis-1,2-Dichloroethene	4.674	96	9901	1.698	ug/l	99
23) Diethyl Ether	2.382	59	6857	1.761	ug/l	93
24) tert-Butyl Alcohol	3.359	59	7027m	18.252	ug/l	
25) Methyl tert-Butyl Ether	3.369	73	21205	1.682	ug/l	99
26) Bromochloromethane	4.976	128	5210	1.806	ug/l	93
27) Chloroform	5.092	83	20281	1.798	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	17512	1.800	ug/l	96
29) 1,1-Dichloropropene	5.529	75	13461	1.758	ug/l	100
30) Carbon Tetrachloride	5.529	117	16217	1.827	ug/l	98
31) Isopropyl Ether	3.996	45	21561	1.704	ug/l	89
32) Ethyl-t-butyl ether	4.504	59	20837	1.666	ug/l	94
33) Tert-Amyl methyl ether	5.944	73	19625	1.628	ug/l	96
34) Propionitrile	4.812	54	4594	8.281	ug/l #	94
35) Benzene	5.777	78	40175	1.836	ug/l	96
36) 1,2-Dichloroethane	5.800	62	13463	1.794	ug/l	99
37) Trichloroethene	6.549	130	10164	1.818	ug/l	94
38) 1,2-Dichloropropane	6.796	63	10404	1.796	ug/l	94
39) Methacrylonitrile	4.986	41	3195	1.720	ug/l	93
40) Methyl acrylate	4.854	55	6021	1.848	ug/l #	92
41) Tetrahydrofuran	5.076	42	3375	3.578	ug/l #	69
42) 1-Chlorobutane	5.462	56	17847	1.774	ug/l	98
43) Dibromomethane	6.925	93	6138	1.790	ug/l	96
44) Bromodichloromethane	7.108	83	15578	1.826	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	30109	8.212	ug/l		95
46) t-1,4-Dichloro-2-butene	10.828	75	8524m	4.314	ug/l		
47) Methyl methacrylate	6.967	69	9289	3.331	ug/l		91
48) Ethyl methacrylate	8.336	69	7894	1.588	ug/l		91
49) Toluene	7.973	92	22242	1.737	ug/l		100
50) t-1,3-Dichloropropene	8.214	75	12795	1.741	ug/l		97
51) cis-1,3-Dichloropropene	7.610	75	13988	1.728	ug/l		92
52) 1,1,2-Trichloroethane	8.404	97	8445	1.771	ug/l		99
53) 1,3-Dichloropropane	8.578	76	14126	1.735	ug/l		100
54) 2-Hexanone	8.690	43	21533	8.037	ug/l		95
55) Dibromochloromethane	8.812	129	11159	1.872	ug/l		97
56) 1,2-Dibromoethane	8.928	107	7833	1.725	ug/l		94
58) Tetrachloroethene	8.555	164	9177	1.857	ug/l		96
59) Chlorobenzene	9.449	112	24202	1.752	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.536	131	10631	1.832	ug/l		98
61) Pentachloroethane	11.430	117	8539	1.765	ug/l		100
62) Hexachloroethane	12.478	117	8970	1.849	ug/l		97
63) Ethyl Benzene	9.574	91	36514	1.610	ug/l		100
64) m/p-Xylenes	9.697	106	29303	3.254	ug/l		99
65) o-Xylene	10.105	106	14275	1.677	ug/l		96
66) Styrene	10.118	104	24854	1.670	ug/l		96
67) Bromoform	10.295	173	6396	1.789	ug/l		98
69) Isopropylbenzene	10.487	105	36655	1.634	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.787	83	11328	1.775	ug/l		98
71) 1,2,3-Trichloropropane	10.828	75	6840m	1.676	ug/l		
72) Bromobenzene	10.783	156	10887	1.826	ug/l		86
73) n-propylbenzene	10.909	120	10050	1.570	ug/l		94
74) 2-Chlorotoluene	10.989	126	9903	1.790	ug/l		97
75) 1,3,5-Trimethylbenzene	11.092	105	31814	1.777	ug/l		98
76) 4-Chlorotoluene	11.102	126	10822	1.841	ug/l		89
77) tert-Butylbenzene	11.423	119	32240	1.691	ug/l		96
78) 1,2,4-Trimethylbenzene	11.471	105	31887	1.749	ug/l		99
79) sec-Butylbenzene	11.648	105	45184	1.749	ug/l		100
80) Nitrobenzene	13.214	77	2258	10.112	ug/l	#	92
81) p-Isopropyltoluene	11.796	119	34978	1.792	ug/l		98
82) 1,3-Dichlorobenzene	11.748	146	21906	1.792	ug/l		99
83) 1,4-Dichlorobenzene	11.841	146	22212	1.818	ug/l		99
84) n-Butylbenzene	12.211	91	33961	1.670	ug/l		96
85) 1,2-Dichlorobenzene	12.217	146	20928	1.786	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	1994	1.696	ug/l		90
87) 1,2,4-Trichlorobenzene	13.844	180	11933	1.679	ug/l		99
88) Hexachlorobutadiene	14.024	225	7593	1.735	ug/l		99
89) Naphthalene	14.089	128	19260	1.731	ug/l		97
90) 1,2,3-Trichlorobenzene	14.333	180	11816	1.706	ug/l		98

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

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