Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
Data File : VU046642.D
Acq On : 30 Dec 2021 09:46
Operator : SY/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 30 11:00:02 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 :
VSTDICC002

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	19509	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.635	95	6881	0.972	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.000%				
68) 1,2-Dichlorobenzene-d4	12.195	152	7524	1.108	ug/l		0.00
Spiked Amount 1.000			Recovery = 111.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	14021	1.909	ug/l		98
3) Chloromethane	1.523	50	12438	1.652	ug/l		99
4) Vinyl Chloride	1.607	62	13082	1.671	ug/l		98
5) Bromomethane	1.864	94	6827	1.591	ug/l		100
6) Chloroethane	1.941	64	7742	1.539	ug/l		96
7) Trichlorofluoromethane	2.144	101	19275	2.061	ug/l		97
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	10356	1.935	ug/l		96
9) 1,1-Dichloroethene	2.588	96	9508	1.891	ug/l		95
10) Iodomethane	2.729	142	6760	1.311	ug/l	#	78
11) Allyl Chloride	2.928	41	11852	1.642	ug/l		94
12) Acrylonitrile	3.343	53	4945	3.820	ug/l	#	76
13) Acetone	2.681	43	10944	7.449	ug/l		93
14) Carbon Disulfide	2.800	76	31009	2.010	ug/l		99
15) Methylene Chloride	3.051	84	11742	1.932	ug/l		94
16) trans-1,2-Dichloroethene	3.359	96	10238	1.893	ug/l		95
17) 1,1-Dichloroethane	3.877	63	18845	1.869	ug/l		98
18) 2-Butanone	4.732	43	17088	8.917	ug/l		98
19) Cyclohexane	5.391	56	11621	1.296	ug/l	#	81
20) Methylcyclohexane	6.767	83	13646	1.495	ug/l		99
21) 2,2-Dichloropropane	4.671	77	15570	1.812	ug/l		95
22) cis-1,2-Dichloroethene	4.671	96	10424	1.758	ug/l		97
23) Diethyl Ether	2.382	59	7444	1.617	ug/l		98
24) tert-Butyl Alcohol	3.362	59	8326m	21.194	ug/l		
25) Methyl tert-Butyl Ether	3.369	73	22680	1.632	ug/l		99
26) Bromochloromethane	4.980	128	5629	2.180	ug/l		93
27) Chloroform	5.092	83	20670	1.978	ug/l		98
28) 1,1,1-Trichloroethane	5.321	97	17568	2.036	ug/l		97
29) 1,1-Dichloropropene	5.530	75	13852	1.780	ug/l		99
30) Carbon Tetrachloride	5.530	117	16427	2.386	ug/l		99
31) Isopropyl Ether	3.996	45	22235	1.426	ug/l		91
32) Ethyl-t-butyl ether	4.504	59	21752	1.391	ug/l		98
33) Tert-Amyl methyl ether	5.944	73	20810	1.485	ug/l		97
34) Propionitrile	4.832	54	5423m	11.109	ug/l		
35) Benzene	5.777	78	39628	1.768	ug/l		100
36) 1,2-Dichloroethane	5.800	62	14222	1.967	ug/l		98
37) Trichloroethene	6.546	130	10246	1.878	ug/l		95
38) 1,2-Dichloropropane	6.796	63	10469	1.798	ug/l		96
39) Methacrylonitrile	4.983	41	3297	1.714	ug/l		98
40) Methyl acrylate	4.854	55	5521	1.701	ug/l	#	97
41) Tetrahydrofuran	5.076	42	3079	2.802	ug/l		95
42) 1-Chlorobutane	5.462	56	18237	1.648	ug/l		98
43) Dibromomethane	6.922	93	6518	2.196	ug/l		97
44) Bromodichloromethane	7.108	83	15799	2.149	ug/l	#	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	31447	7.975	ug/l		99
46) t-1,4-Dichloro-2-butene	10.835	75	6423m	4.431	ug/l		
47) Methyl methacrylate	6.967	69	9825	3.334	ug/l		93
48) Ethyl methacrylate	8.337	69	8540	1.498	ug/l		91
49) Toluene	7.970	92	23429	1.697	ug/l		99
50) t-1,3-Dichloropropene	8.214	75	13208	1.855	ug/l		100
51) cis-1,3-Dichloropropene	7.610	75	14437	1.751	ug/l	#	90
52) 1,1,2-Trichloroethane	8.404	97	8917	2.101	ug/l		95
53) 1,3-Dichloropropane	8.578	76	14831	1.888	ug/l		99
54) 2-Hexanone	8.690	43	23119	7.613	ug/l		95
55) Dibromochloromethane	8.812	129	11215	2.446	ug/l		95
56) 1,2-Dibromoethane	8.925	107	8430	2.104	ug/l		100
58) Tetrachloroethene	8.555	164	9552	1.940	ug/l		95
59) Chlorobenzene	9.449	112	24891	1.743	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.536	131	10523	2.155	ug/l		98
61) Pentachloroethane	11.430	117	8730	2.427	ug/l		100
62) Hexachloroethane	12.478	117	9127	2.412	ug/l		97
63) Ethyl Benzene	9.571	91	39354	1.539	ug/l		100
64) m/p-Xylenes	9.697	106	31242	3.195	ug/l		98
65) o-Xylene	10.102	106	14869	1.565	ug/l		96
66) Styrene	10.118	104	24816	1.580	ug/l		99
67) Bromoform	10.295	173	6750	2.744	ug/l	#	95
69) Isopropylbenzene	10.484	105	39382	1.583	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.783	83	12087	2.198	ug/l		99
71) 1,2,3-Trichloropropane	10.828	75	6675m	1.512	ug/l		
72) Bromobenzene	10.783	156	10837	1.931	ug/l		88
73) n-propylbenzene	10.909	120	10787	1.639	ug/l		100
74) 2-Chlorotoluene	10.986	126	10008	1.761	ug/l		99
75) 1,3,5-Trimethylbenzene	11.089	105	33155	1.585	ug/l		97
76) 4-Chlorotoluene	11.098	126	10871	1.856	ug/l		93
77) tert-Butylbenzene	11.423	119	33455	1.646	ug/l		96
78) 1,2,4-Trimethylbenzene	11.468	105	33523	1.569	ug/l		99
79) sec-Butylbenzene	11.645	105	46467	1.660	ug/l		98
80) Nitrobenzene	13.214	77	2116	11.957	ug/l	#	93
81) p-Isopropyltoluene	11.793	119	36445	1.617	ug/l		99
82) 1,3-Dichlorobenzene	11.748	146	22959	2.043	ug/l		99
83) 1,4-Dichlorobenzene	11.838	146	22651	2.027	ug/l		100
84) n-Butylbenzene	12.211	91	34392	1.612	ug/l		97
85) 1,2-Dichlorobenzene	12.214	146	21417	2.000	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	2214	2.360	ug/l		98
87) 1,2,4-Trichlorobenzene	13.841	180	12496	1.893	ug/l		97
88) Hexachlorobutadiene	14.021	225	7870	2.457	ug/l		99
89) Naphthalene	14.085	128	20269	1.555	ug/l		100
90) 1,2,3-Trichlorobenzene	14.330	180	11898	1.908	ug/l		98

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

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