Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081722\
Data File : VU050356.D
Acq On : 17 Aug 2022 13:07
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Quant Time: Aug 17 13:35:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Aug 17 13:35:16 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	26816	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	8436	0.915	ug/l	0.00
Spiked Amount 1.000			Recovery = 91.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	12068	1.102	ug/l	0.00
Spiked Amount 1.000			Recovery = 110.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	5887	0.560	ug/l	99
3) Chloromethane	1.530	50	7218	0.572	ug/l	99
4) Vinyl Chloride	1.607	62	6038	0.530	ug/l	99
5) Bromomethane	1.858	94	2884	0.584	ug/l	94
6) Chloroethane	1.935	64	3767	0.537	ug/l	97
7) Trichlorofluoromethane	2.141	101	7588	0.566	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	4135	0.571	ug/l	96
9) 1,1-Dichloroethene	2.581	96	3892	0.518	ug/l	97
10) Iodomethane	2.726	142	1260	0.177	ug/l	99
11) Allyl Chloride	2.922	41	6963	0.564	ug/l	93
12) Acrylonitrile	3.318	53	2942	1.182	ug/l	96
13) Acetone	2.630	43	11346	5.285	ug/l	97
14) Carbon Disulfide	2.794	76	15076	0.586	ug/l #	95
15) Methylene Chloride	3.044	84	21107	1.386	ug/l	97
16) trans-1,2-Dichloroethene	3.350	96	4544	0.547	ug/l	93
17) 1,1-Dichloroethane	3.874	63	7693	0.475	ug/l	98
18) 2-Butanone	4.723	43	6811	2.577	ug/l	98
19) Cyclohexane	5.385	56	4749m	0.492	ug/l	
20) Methylcyclohexane	6.764	83	4712	0.497	ug/l	97
21) 2,2-Dichloropropane	4.665	77	5741	0.478	ug/l	95
22) cis-1,2-Dichloroethene	4.668	96	4123	0.469	ug/l	96
23) Diethyl Ether	2.382	59	5077	0.697	ug/l	93
24) tert-Butyl Alcohol	3.195	59	6023	6.415	ug/l	98
25) Methyl tert-Butyl Ether	3.369	73	11426	0.536	ug/l #	90
26) Bromochloromethane	4.973	128	2102	0.530	ug/l	97
27) Chloroform	5.089	83	9165	0.572	ug/l	91
28) 1,1,1-Trichloroethane	5.318	97	6147	0.492	ug/l	96
29) 1,1-Dichloropropene	5.530	75	4820	0.492	ug/l	98
30) Carbon Tetrachloride	5.523	117	5451	0.535	ug/l	97
31) Isopropyl Ether	3.999	45	9039	0.375	ug/l	85
32) Ethyl-t-butyl ether	4.507	59	7624	0.393	ug/l	96
33) Tert-Amyl methyl ether	5.948	73	5822	0.431	ug/l	95
34) Propionitrile	4.800	54	2092	2.373	ug/l #	74
35) Benzene	5.777	78	15537	0.485	ug/l	96
36) 1,2-Dichloroethane	5.803	62	5412	0.536	ug/l #	88
37) Trichloroethene	6.546	130	3952	0.506	ug/l	86
38) 1,2-Dichloropropane	6.797	63	4536	0.508	ug/l	92
39) Methacrylonitrile	4.990	41	1187m	0.443	ug/l	
40) Methyl acrylate	4.861	55	2394	0.484	ug/l #	73
41) Tetrahydrofuran	5.076	42	1659	1.041	ug/l #	82
42) 1-Chlorobutane	5.465	56	6337	0.461	ug/l	99
43) Dibromomethane	6.925	93	2627	0.534	ug/l	99
44) Bromodichloromethane	7.108	83	5797	0.512	ug/l	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Aug 17 13:35:16 2022
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	15072	2.800	ug/l		96
46) t-1,4-Dichloro-2-butene	10.835	75	1658m	0.711	ug/l		
47) Methyl methacrylate	6.967	69	3669	0.925	ug/l		93
48) Ethyl methacrylate	8.340	69	3073	0.442	ug/l		87
49) Toluene	7.970	92	7944	0.439	ug/l		97
50) t-1,3-Dichloropropene	8.215	75	4436	0.473	ug/l		91
51) cis-1,3-Dichloropropene	7.610	75	4843	0.457	ug/l	#	89
52) 1,1,2-Trichloroethane	8.401	97	4204	0.572	ug/l		93
53) 1,3-Dichloropropane	8.578	76	5616	0.494	ug/l		94
54) 2-Hexanone	8.690	43	9145	2.498	ug/l		91
55) Dibromochloromethane	8.809	129	4115	0.527	ug/l		92
56) 1,2-Dibromoethane	8.928	107	3183	0.502	ug/l		98
58) Tetrachloroethene	8.552	164	3823	0.519	ug/l		99
59) Chlorobenzene	9.449	112	9156	0.467	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.536	131	4094	0.513	ug/l		95
61) Pentachloroethane	11.430	117	3038	0.467	ug/l		89
62) Hexachloroethane	12.475	117	3290	0.603	ug/l	#	79
63) Ethyl Benzene	9.571	91	12356	0.402	ug/l		95
64) m/p-Xylenes	9.697	106	9285	0.772	ug/l		92
65) o-Xylene	10.102	106	4384	0.382	ug/l		98
66) Styrene	10.118	104	7024	0.366	ug/l		97
67) Bromoform	10.295	173	2219	0.496	ug/l		96
69) Isopropylbenzene	10.488	105	11027	0.376	ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.784	83	5387	0.541	ug/l		97
71) 1,2,3-Trichloropropane	10.825	75	3616m	0.478	ug/l		
72) Bromobenzene	10.784	156	3670	0.448	ug/l		98
73) n-propylbenzene	10.909	120	2706	0.349	ug/l		83
74) 2-Chlorotoluene	10.983	126	2890	0.380	ug/l		99
75) 1,3,5-Trimethylbenzene	11.089	105	8857	0.346	ug/l		98
76) 4-Chlorotoluene	11.099	126	3003	0.388	ug/l		79
77) tert-Butylbenzene	11.423	119	10665	0.418	ug/l		96
78) 1,2,4-Trimethylbenzene	11.468	105	10060	0.374	ug/l		98
79) sec-Butylbenzene	11.645	105	14864	0.433	ug/l		94
80) Nitrobenzene	13.211	77	1878	3.062	ug/l	#	83
81) p-Isopropyltoluene	11.793	119	64940	1.428	ug/l		95
82) 1,3-Dichlorobenzene	11.748	146	8242	0.480	ug/l		98
83) 1,4-Dichlorobenzene	11.838	146	9077	0.514	ug/l		98
84) n-Butylbenzene	12.211	91	15942	0.575	ug/l		93
85) 1,2-Dichlorobenzene	12.214	146	8205	0.480	ug/l		95
86) 1,2-Dibromo-3-Chloropr...	12.999	75	846	0.528	ug/l	#	76
87) 1,2,4-Trichlorobenzene	13.841	180	7350	0.673	ug/l		93
88) Hexachlorobutadiene	14.025	225	3921	0.628	ug/l		99
89) Naphthalene	14.089	128	18387	0.858	ug/l		98
90) 1,2,3-Trichlorobenzene	14.330	180	6948	0.631	ug/l		94

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

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