Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
Data File : VU053146.D
Acq On : 27 Feb 2023 09:38
Operator : JC/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 01:52:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 28 01:52:21 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	28643	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13726	1.136	ug/l	0.00
Spiked Amount 1.000			Recovery = 114.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	9218	0.962	ug/l	0.00
Spiked Amount 1.000			Recovery = 96.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.386	85	3605	0.496	ug/l	100
3) Chloromethane	1.521	50	4258	0.568	ug/l	97
4) Vinyl Chloride	1.605	62	3741	0.469	ug/l	98
5) Bromomethane	1.859	94	2399	0.528	ug/l	94
6) Chloroethane	1.936	64	2320	0.479	ug/l	95
7) Trichlorofluoromethane	2.138	101	6128	0.534	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	3795	0.529	ug/l	92
9) 1,1-Dichloroethene	2.585	96	3215	0.516	ug/l	90
10) Iodomethane	2.720	142	2896	0.452	ug/l	94
11) Allyl Chloride	2.923	41	5293	0.544	ug/l	95
12) Acrylonitrile	3.321	53	1595	0.997	ug/l #	90
13) Acetone	2.637	43	7878	3.452	ug/l	93
14) Carbon Disulfide	2.794	76	7645	0.534	ug/l	99
15) Methylene Chloride	3.042	84	5627	0.631	ug/l	95
16) trans-1,2-Dichloroethene	3.350	96	3618	0.528	ug/l	93
17) 1,1-Dichloroethane	3.871	63	7574	0.505	ug/l	96
18) 2-Butanone	4.720	43	8538	3.116	ug/l	87
19) Cyclohexane	5.382	56	5985m	0.500	ug/l	
20) Methylcyclohexane	6.759	83	5918	0.515	ug/l	97
21) 2,2-Dichloropropane	4.662	77	6555	0.499	ug/l	96
22) cis-1,2-Dichloroethene	4.665	96	4487	0.530	ug/l	100
23) Diethyl Ether	2.379	59	2650	0.519	ug/l #	80
24) tert-Butyl Alcohol	3.222	59	3358m	5.603	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	9032	0.498	ug/l #	89
26) Bromochloromethane	4.968	128	1743	0.533	ug/l	80
27) Chloroform	5.087	83	8120	0.526	ug/l	91
28) 1,1,1-Trichloroethane	5.312	97	6574	0.507	ug/l	97
29) 1,1-Dichloropropene	5.524	75	4964	0.510	ug/l	95
30) Carbon Tetrachloride	5.518	117	4074	0.456	ug/l #	89
31) Isopropyl Ether	3.993	45	12629	0.528	ug/l	98
32) Ethyl-t-butyl ether	4.508	59	11452	0.505	ug/l	94
33) Tert-Amyl methyl ether	5.945	73	8682	0.483	ug/l	99
34) Propionitrile	4.794	54	1868m	2.931	ug/l	
35) Benzene	5.772	78	13864	0.483	ug/l	95
36) 1,2-Dichloroethane	5.794	62	4464	0.520	ug/l #	87
37) Trichloroethene	6.540	130	3191	0.485	ug/l	95
38) 1,2-Dichloropropane	6.788	63	4109	0.495	ug/l	99
39) Methacrylonitrile	4.977	41	1693m	0.621	ug/l	
40) Methyl acrylate	4.846	55	2153	0.512	ug/l #	71
41) Tetrahydrofuran	5.074	42	1562	1.172	ug/l #	75
42) 1-Chlorobutane	5.453	56	6747	0.498	ug/l	78
43) Dibromomethane	6.923	93	1801	0.490	ug/l	98
44) Bromodichloromethane	7.106	83	4705	0.468	ug/l	96

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	11896	2.648	ug/l		95
46) t-1,4-Dichloro-2-butene	10.829	75	2125m	0.939	ug/l		
47) Methyl methacrylate	6.964	69	3706	0.979	ug/l		95
48) Ethyl methacrylate	8.341	69	3741	0.481	ug/l		97
49) Toluene	7.968	92	8419	0.476	ug/l		99
50) t-1,3-Dichloropropene	8.212	75	4701	0.481	ug/l		95
51) cis-1,3-Dichloropropene	7.611	75	5648	0.477	ug/l		96
52) 1,1,2-Trichloroethane	8.398	97	2726	0.504	ug/l		93
53) 1,3-Dichloropropane	8.575	76	4658	0.481	ug/l		99
54) 2-Hexanone	8.688	43	11663	3.047	ug/l		95
55) Dibromochloromethane	8.807	129	3219	0.522	ug/l		94
56) 1,2-Dibromoethane	8.926	107	2262	0.471	ug/l		96
58) Tetrachloroethene	8.550	164	2708	0.516	ug/l		90
59) Chlorobenzene	9.443	112	9777	0.495	ug/l		93
60) 1,1,1,2-Tetrachloroethane	9.533	131	3100	0.475	ug/l		99
61) Pentachloroethane	11.424	117	2801	0.494	ug/l		93
62) Hexachloroethane	12.472	117	2949	0.472	ug/l		91
63) Ethyl Benzene	9.569	91	17626	0.483	ug/l		93
64) m/p-Xylenes	9.691	106	12634	0.955	ug/l		94
65) o-Xylene	10.099	106	6640	0.491	ug/l		91
66) Styrene	10.115	104	9842	0.460	ug/l		99
67) Bromoform	10.289	173	1407	0.469	ug/l	#	94
69) Isopropylbenzene	10.482	105	17174	0.475	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.781	83	3429	0.471	ug/l		97
71) 1,2,3-Trichloropropane	10.826	75	3319m	0.546	ug/l		
72) Bromobenzene	10.781	156	3261	0.464	ug/l		90
73) n-propylbenzene	10.900	120	4478	0.466	ug/l		99
74) 2-Chlorotoluene	10.984	126	4021	0.506	ug/l		93
75) 1,3,5-Trimethylbenzene	11.083	105	13901	0.462	ug/l		94
76) 4-Chlorotoluene	11.096	126	4169	0.499	ug/l		82
77) tert-Butylbenzene	11.418	119	14209	0.482	ug/l		98
78) 1,2,4-Trimethylbenzene	11.466	105	14591	0.475	ug/l		97
79) sec-Butylbenzene	11.639	105	18934	0.462	ug/l		98
80) Nitrobenzene	13.221	77	1159m	3.045	ug/l		
81) p-Isopropyltoluene	11.791	119	15064	0.464	ug/l		98
82) 1,3-Dichlorobenzene	11.746	146	7144	0.463	ug/l		98
83) 1,4-Dichlorobenzene	11.832	146	7379	0.469	ug/l		97
84) n-Butylbenzene	12.205	91	15086	0.449	ug/l		99
85) 1,2-Dichlorobenzene	12.209	146	7006	0.477	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	12.993	75	384	0.665	ug/l	#	71
87) 1,2,4-Trichlorobenzene	13.842	180	4104	0.455	ug/l		99
88) Hexachlorobutadiene	14.019	225	1900	0.431	ug/l		96
89) Naphthalene	14.090	128	9348	0.485	ug/l		97
90) 1,2,3-Trichlorobenzene	14.331	180	3499	0.441	ug/l		99

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

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