Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012323\
Data File : VU052778.D
Acq On : 23 Jan 2023 15:37
Operator : JC/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 24 04:37:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 04:32:09 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Krupa Patel 01/24/2023
Supervised By :Mahesh Dadoda 01/24/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.108	96	38206	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	10870	0.796	ug/l	0.00
Spiked Amount 1.000			Recovery =	80.000%		
68) 1,2-Dichlorobenzene-d4	12.189	152	11678	0.720	ug/l	0.00
Spiked Amount 1.000			Recovery =	72.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	6530	0.482	ug/l	91
3) Chloromethane	1.520	50	6948	0.471	ug/l	99
4) Vinyl Chloride	1.604	62	5920	0.446	ug/l	97
5) Bromomethane	1.858	94	3342	0.410	ug/l	89
6) Chloroethane	1.935	64	4203	0.515	ug/l	99
7) Trichlorofluoromethane	2.138	101	9025	0.503	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	5012	0.489	ug/l	93
9) 1,1-Dichloroethene	2.578	96	4852	0.478	ug/l	96
10) Iodomethane	2.719	142	4920	0.640	ug/l	96
11) Allyl Chloride	2.919	41	5389	0.393	ug/l	95
12) Acrylonitrile	3.324	53	1892	0.752	ug/l	85
13) Acetone	2.642	43	7213m	3.328	ug/l	
14) Carbon Disulfide	2.790	76	15954	0.492	ug/l #	93
15) Methylene Chloride	3.041	84	7324	0.455	ug/l	96
16) trans-1,2-Dichloroethene	3.350	96	5451	0.489	ug/l	95
17) 1,1-Dichloroethane	3.861	63	9084	0.495	ug/l	97
18) 2-Butanone	4.726	43	8476	3.033	ug/l	94
19) Cyclohexane	5.382	56	7727m	0.551	ug/l	
20) Methylcyclohexane	6.758	83	7336	0.463	ug/l	95
21) 2,2-Dichloropropane	4.658	77	8701	0.571	ug/l	96
22) cis-1,2-Dichloroethene	4.662	96	5691	0.499	ug/l	94
23) Diethyl Ether	2.375	59	3249	0.431	ug/l	91
24) tert-Butyl Alcohol	3.305	59	4054m	4.951	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	10422	0.418	ug/l	96
26) Bromochloromethane	4.973	128	2691	0.478	ug/l	93
27) Chloroform	5.089	83	9792	0.503	ug/l	100
28) 1,1,1-Trichloroethane	5.308	97	8948	0.536	ug/l	97
29) 1,1-Dichloropropene	5.520	75	7103	0.506	ug/l	96
30) Carbon Tetrachloride	5.520	117	7734	0.527	ug/l	92
31) Isopropyl Ether	3.993	45	13521	0.533	ug/l	100
32) Ethyl-t-butyl ether	4.501	59	11610	0.474	ug/l	93
33) Tert-Amyl methyl ether	5.944	73	9480	0.430	ug/l	99
34) Propionitrile	4.816	54	1835m	2.133	ug/l	
35) Benzene	5.771	78	20846	0.496	ug/l	99
36) 1,2-Dichloroethane	5.793	62	6446	0.520	ug/l #	92
37) Trichloroethene	6.539	130	5865	0.485	ug/l	92
38) 1,2-Dichloropropane	6.793	63	4930	0.462	ug/l	96
39) Methacrylonitrile	4.983	41	1449	0.470	ug/l #	92
40) Methyl acrylate	4.851	55	2789	0.544	ug/l #	87
41) Tetrahydrofuran	5.080	42	1574	0.915	ug/l #	59
42) 1-Chlorobutane	5.452	56	9688	0.537	ug/l	98
43) Dibromomethane	6.919	93	2873	0.478	ug/l	88
44) Bromodichloromethane	7.102	83	7632	0.537	ug/l	98

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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	7.796	43	12441	2.003	ug/l		92
46) t-1,4-Dichloro-2-butene	10.825	75	2648m	0.896	ug/l		
47) Methyl methacrylate	6.967	69	4152	0.844	ug/l		96
48) Ethyl methacrylate	8.337	69	3559	0.394	ug/l		99
49) Toluene	7.967	92	11215	0.440	ug/l		98
50) t-1,3-Dichloropropene	8.208	75	5705	0.453	ug/l		99
51) cis-1,3-Dichloropropene	7.607	75	7069	0.488	ug/l		94
52) 1,1,2-Trichloroethane	8.401	97	3797	0.445	ug/l		89
53) 1,3-Dichloropropane	8.571	76	6380	0.452	ug/l		90
54) 2-Hexanone	8.687	43	10101	2.192	ug/l		93
55) Dibromochloromethane	8.809	129	5211	0.507	ug/l		100
56) 1,2-Dibromoethane	8.922	107	3759	0.463	ug/l		94
58) Tetrachloroethene	8.549	164	5059	0.467	ug/l		93
59) Chlorobenzene	9.446	112	12935	0.435	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.529	131	5348	0.503	ug/l		97
61) Pentachloroethane	11.427	117	4333	0.488	ug/l		93
62) Hexachloroethane	12.471	117	3930	0.477	ug/l		96
63) Ethyl Benzene	9.568	91	18238	0.395	ug/l		99
64) m/p-Xylenes	9.690	106	13853	0.752	ug/l		98
65) o-Xylene	10.099	106	7054	0.400	ug/l		98
66) Styrene	10.111	104	10326	0.350	ug/l		98
67) Bromoform	10.288	173	2910	0.453	ug/l	#	92
69) Isopropylbenzene	10.481	105	17254	0.376	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.780	83	4706	0.429	ug/l		99
71) 1,2,3-Trichloropropane	10.822	75	4275m	0.496	ug/l		
72) Bromobenzene	10.777	156	5217	0.388	ug/l		96
73) n-propylbenzene	10.899	120	4439	0.341	ug/l		92
74) 2-Chlorotoluene	10.983	126	4622	0.377	ug/l		94
75) 1,3,5-Trimethylbenzene	11.082	105	13642	0.350	ug/l		98
76) 4-Chlorotoluene	11.092	126	4570	0.354	ug/l		92
77) tert-Butylbenzene	11.417	119	14819	0.374	ug/l		97
78) 1,2,4-Trimethylbenzene	11.465	105	13506	0.338	ug/l		99
79) sec-Butylbenzene	11.639	105	17977	0.348	ug/l		96
80) Nitrobenzene	13.205	77	1679	3.729	ug/l	#	87
81) p-Isopropyltoluene	11.790	119	13986	0.323	ug/l		96
82) 1,3-Dichlorobenzene	11.745	146	10231	0.377	ug/l		98
83) 1,4-Dichlorobenzene	11.835	146	10394	0.382	ug/l		98
84) n-Butylbenzene	12.205	91	13114	0.322	ug/l		98
85) 1,2-Dichlorobenzene	12.208	146	9634	0.374	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	932	0.525	ug/l	#	77
87) 1,2,4-Trichlorobenzene	13.841	180	5537	0.304	ug/l		98
88) Hexachlorobutadiene	14.018	225	4302	0.392	ug/l		98
89) Naphthalene	14.086	128	12290	0.429	ug/l		97
90) 1,2,3-Trichlorobenzene	14.327	180	5218	0.308	ug/l		93

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

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