Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012323\
Data File : VU052771.D
Acq On : 23 Jan 2023 10:51
Operator : JC/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 24 04:33:07 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	6.112	96	47962	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.632	95	15806	0.922	ug/l		0.00
Spiked Amount 1.000			Recovery = 92.000%				
68) 1,2-Dichlorobenzene-d4	12.189	152	15224	0.748	ug/l		0.00
Spiked Amount 1.000			Recovery = 75.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.385	85	6741	0.396	ug/l		98
3) Chloromethane	1.520	50	7076	0.382	ug/l		99
4) Vinyl Chloride	1.604	62	6321	0.379	ug/l		98
5) Bromomethane	1.858	94	3445	0.337	ug/l		89
6) Chloroethane	1.935	64	3951	0.386	ug/l		94
7) Trichlorofluoromethane	2.137	101	8484	0.377	ug/l		94
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	4942	0.384	ug/l		100
9) 1,1-Dichloroethene	2.581	96	4498	0.353	ug/l		86
10) Iodomethane	2.723	142	4522	0.468	ug/l		89
11) Allyl Chloride	2.922	41	5349	0.311	ug/l		96
12) Acrylonitrile	3.321	53	1880	0.595	ug/l	#	95
13) Acetone	2.639	43	7090	2.605	ug/l		91
14) Carbon Disulfide	2.793	76	16390	0.403	ug/l	#	91
15) Methylene Chloride	3.044	84	6858	0.340	ug/l		90
16) trans-1,2-Dichloroethene	3.350	96	4784	0.342	ug/l		99
17) 1,1-Dichloroethane	3.867	63	8421	0.366	ug/l		97
18) 2-Butanone	4.723	43	8183	2.333	ug/l		96
19) Cyclohexane	5.385	56	7740m	0.440	ug/l		
20) Methylcyclohexane	6.758	83	7782	0.391	ug/l		91
21) 2,2-Dichloropropane	4.662	77	8125	0.425	ug/l		99
22) cis-1,2-Dichloroethene	4.662	96	5409	0.378	ug/l		96
23) Diethyl Ether	2.375	59	3030	0.320	ug/l	#	88
24) tert-Butyl Alcohol	3.234	59	3927m	3.820	ug/l		
25) Methyl tert-Butyl Ether	3.363	73	10012	0.320	ug/l		94
26) Bromochloromethane	4.964	128	2537	0.359	ug/l		86
27) Chloroform	5.089	83	9367	0.383	ug/l		95
28) 1,1,1-Trichloroethane	5.311	97	8418	0.401	ug/l		96
29) 1,1-Dichloropropene	5.520	75	6972	0.395	ug/l		99
30) Carbon Tetrachloride	5.520	117	7034	0.382	ug/l		97
31) Isopropyl Ether	3.996	45	13024	0.409	ug/l		98
32) Ethyl-t-butyl ether	4.507	59	11442	0.372	ug/l		98
33) Tert-Amyl methyl ether	5.948	73	9547	0.345	ug/l		98
34) Propionitrile	4.793	54	1748m	1.619	ug/l		
35) Benzene	5.771	78	20544	0.390	ug/l		99
36) 1,2-Dichloroethane	5.793	62	6223	0.400	ug/l	#	95
37) Trichloroethene	6.539	130	5587	0.368	ug/l		89
38) 1,2-Dichloropropane	6.790	63	4990	0.372	ug/l		100
39) Methacrylonitrile	4.977	41	1415	0.365	ug/l	#	91
40) Methyl acrylate	4.842	55	2535m	0.394	ug/l		
41) Tetrahydrofuran	5.073	42	1506	0.698	ug/l	#	71
42) 1-Chlorobutane	5.456	56	9591	0.424	ug/l		98
43) Dibromomethane	6.919	93	2398	0.318	ug/l		96
44) Bromodichloromethane	7.108	83	7144	0.400	ug/l	#	99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 04:32:09 2023
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	12583	1.614 ug/l	97
46) t-1,4-Dichloro-2-butene	10.825	75	2830m	0.762 ug/l	
47) Methyl methacrylate	6.964	69	4264	0.690 ug/l	97
48) Ethyl methacrylate	8.333	69	3724	0.328 ug/l	98
49) Toluene	7.967	92	11546	0.361 ug/l	93
50) t-1,3-Dichloropropene	8.211	75	5936	0.376 ug/l	94
51) cis-1,3-Dichloropropene	7.607	75	7749	0.426 ug/l	91
52) 1,1,2-Trichloroethane	8.401	97	3422	0.320 ug/l	95
53) 1,3-Dichloropropane	8.575	76	6110	0.344 ug/l #	87
54) 2-Hexanone	8.687	43	11062	1.912 ug/l	98
55) Dibromochloromethane	8.809	129	4716	0.366 ug/l	99
56) 1,2-Dibromoethane	8.922	107	3228	0.317 ug/l	92
58) Tetrachloroethene	8.549	164	5148	0.379 ug/l	95
59) Chlorobenzene	9.446	112	13230	0.354 ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.533	131	4911	0.368 ug/l	98
61) Pentachloroethane	11.423	117	4142	0.371 ug/l	98
62) Hexachloroethane	12.471	117	4279	0.413 ug/l	93
63) Ethyl Benzene	9.565	91	19343	0.333 ug/l	98
64) m/p-Xylenes	9.693	106	15400	0.666 ug/l	98
65) o-Xylene	10.099	106	7591	0.343 ug/l	98
66) Styrene	10.111	104	11085	0.299 ug/l	97
67) Bromoform	10.288	173	2956	0.367 ug/l #	92
69) Isopropylbenzene	10.481	105	18648	0.324 ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.780	83	4360	0.317 ug/l	96
71) 1,2,3-Trichloropropane	10.825	75	3776m	0.349 ug/l	
72) Bromobenzene	10.780	156	5338	0.316 ug/l	98
73) n-propylbenzene	10.902	120	5102	0.312 ug/l	97
74) 2-Chlorotoluene	10.983	126	4953	0.322 ug/l	100
75) 1,3,5-Trimethylbenzene	11.086	105	14959	0.305 ug/l	97
76) 4-Chlorotoluene	11.095	126	5010	0.309 ug/l	97
77) tert-Butylbenzene	11.417	119	16673	0.336 ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	14577	0.291 ug/l	97
79) sec-Butylbenzene	11.639	105	19556	0.301 ug/l	98
80) Nitrobenzene	13.201	77	1501	2.655 ug/l #	73
81) p-Isopropyltoluene	11.790	119	15600	0.287 ug/l	96
82) 1,3-Dichlorobenzene	11.745	146	10129	0.297 ug/l	98
83) 1,4-Dichlorobenzene	11.835	146	10625	0.311 ug/l	96
84) n-Butylbenzene	12.205	91	15128	0.295 ug/l	94
85) 1,2-Dichlorobenzene	12.211	146	10254	0.317 ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.992	75	831	0.373 ug/l #	82
87) 1,2,4-Trichlorobenzene	13.838	180	5551	0.243 ug/l	93
88) Hexachlorobutadiene	14.015	225	4185	0.304 ug/l	95
89) Naphthalene	14.086	128	21345	0.594 ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	4876	0.229 ug/l	95

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

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