Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101822\
Data File : VU051444.D
Acq On : 18 Oct 2022 16:18
Operator : JC/MD
Sample : N4955-07 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2022

Manual Integrations APPROVED
Reviewed By :Krupa Patel 10/25/2022
Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 19 03:57:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Oct 19 03:54:58 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	44087	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	12844	0.831	ug/l	0.00
Spiked Amount 1.000			Recovery =	83.000%		
68) 1,2-Dichlorobenzene-d4	12.195	152	14582	0.844	ug/l	0.00
Spiked Amount 1.000			Recovery =	84.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	5857m	0.380	ug/l	
3) Chloromethane	1.533	50	10375	0.428	ug/l	92
4) Vinyl Chloride	1.604	62	7664	0.365	ug/l	93
5) Bromomethane	1.855	94	5328	0.455	ug/l	94
6) Chloroethane	1.932	64	5705	0.477	ug/l	99
7) Trichlorofluoromethane	2.137	101	8623	0.368	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	5044	0.390	ug/l	92
9) 1,1-Dichloroethene	2.578	96	5031	0.372	ug/l	95
10) Iodomethane	2.719	142	6482	0.370	ug/l	99
11) Allyl Chloride	2.919	41	9044	0.438	ug/l	95
12) Acrylonitrile	3.317	53	3324	0.835	ug/l	90
13) Acetone	2.629	43	6274	2.188	ug/l	90
14) Carbon Disulfide	2.790	76	18593	0.386	ug/l	100
15) Methylene Chloride	3.041	84	18341	0.926	ug/l	92
16) trans-1,2-Dichloroethene	3.350	96	5870	0.378	ug/l	93
17) 1,1-Dichloroethane	3.867	63	10587	0.380	ug/l	95
18) 2-Butanone	4.729	43	5716m	1.643	ug/l	
19) Cyclohexane	5.385	56	4832m	0.280	ug/l	
20) Methylcyclohexane	6.758	83	4564	0.266	ug/l	89
21) 2,2-Dichloropropane	4.658	77	7273	0.373	ug/l	95
22) cis-1,2-Dichloroethene	4.665	96	4989	0.340	ug/l	92
23) Diethyl Ether	2.379	59	4397	0.372	ug/l	97
24) tert-Butyl Alcohol	3.195	59	5490	4.431	ug/l	97
25) Methyl tert-Butyl Ether	3.369	73	13912	0.395	ug/l #	86
26) Bromochloromethane	4.973	128	2823	0.395	ug/l	96
27) Chloroform	5.089	83	10720	0.379	ug/l	87
28) 1,1,1-Trichloroethane	5.311	97	8174	0.363	ug/l	99
29) 1,1-Dichloropropene	5.530	75	5477	0.317	ug/l	93
30) Carbon Tetrachloride	5.520	117	7099m	0.373	ug/l	
31) Isopropyl Ether	3.996	45	11761	0.356	ug/l	95
32) Ethyl-t-butyl ether	4.520	59	9541m	0.317	ug/l	
33) Tert-Amyl methyl ether	5.948	73	7728	0.292	ug/l #	97
34) Propionitrile	4.793	54	1654	1.414	ug/l #	89
35) Benzene	5.771	78	20145	0.348	ug/l	99
36) 1,2-Dichloroethane	5.796	62	6689	0.374	ug/l #	93
37) Trichloroethene	6.542	130	4892	0.360	ug/l	90
38) 1,2-Dichloropropane	6.793	63	5110	0.321	ug/l	95
39) Methacrylonitrile	4.996	41	1146m	0.287	ug/l	
40) Methyl acrylate	4.864	55	2043m	0.321	ug/l	
41) Tetrahydrofuran	5.079	42	1533m	0.730	ug/l	
42) 1-Chlorobutane	5.462	56	7477	0.317	ug/l	69
43) Dibromomethane	6.919	93	2994	0.363	ug/l	96
44) Bromodichloromethane	7.108	83	7241	0.363	ug/l	99

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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	7.793	43	10941	1.393	ug/l		91
46) t-1,4-Dichloro-2-butene	10.825	75	3694m	0.843	ug/l		
47) Methyl methacrylate	6.970	69	3503	0.555	ug/l	#	93
48) Ethyl methacrylate	8.337	69	2837	0.268	ug/l		97
49) Toluene	7.967	92	8986	0.283	ug/l		97
50) t-1,3-Dichloropropene	8.211	75	5061	0.315	ug/l		92
51) cis-1,3-Dichloropropene	7.610	75	6176	0.326	ug/l	#	93
52) 1,1,2-Trichloroethane	8.401	97	4438	0.377	ug/l		95
53) 1,3-Dichloropropane	8.578	76	6124	0.323	ug/l		96
54) 2-Hexanone	8.690	43	6809	1.261	ug/l		93
55) Dibromochloromethane	8.809	129	4582	0.358	ug/l		99
56) 1,2-Dibromoethane	8.925	107	3404	0.329	ug/l		92
58) Tetrachloroethene	8.552	164	4235	0.357	ug/l		95
59) Chlorobenzene	9.449	112	10791	0.309	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.533	131	4988	0.373	ug/l		96
61) Pentachloroethane	11.426	117	4364	0.366	ug/l		99
62) Hexachloroethane	12.475	117	4060	0.359	ug/l		97
63) Ethyl Benzene	9.568	91	13295	0.251	ug/l		98
64) m/p-Xylenes	9.690	106	9715	0.461	ug/l		98
65) o-Xylene	10.102	106	5312	0.259	ug/l		91
66) Styrene	10.115	104	7130	0.210	ug/l		96
67) Bromoform	10.288	173	2545	0.354	ug/l		89
69) Isopropylbenzene	10.481	105	12328	0.244	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.780	83	5498	0.345	ug/l		97
71) 1,2,3-Trichloropropane	10.825	75	4738m	0.400	ug/l		
72) Bromobenzene	10.783	156	3874	0.279	ug/l		98
73) n-propylbenzene	10.902	120	3110	0.219	ug/l		99
74) 2-Chlorotoluene	10.983	126	3535	0.262	ug/l		89
75) 1,3,5-Trimethylbenzene	11.086	105	10082	0.220	ug/l		100
76) 4-Chlorotoluene	11.099	126	3282	0.238	ug/l		80
77) tert-Butylbenzene	11.420	119	11431	0.256	ug/l		92
78) 1,2,4-Trimethylbenzene	11.468	105	9629	0.202	ug/l		100
79) sec-Butylbenzene	11.642	105	12571	0.212	ug/l		97
80) Nitrobenzene	13.217	77	1279	1.621	ug/l	#	79
81) p-Isopropyltoluene	11.793	119	9505	0.201	ug/l		98
82) 1,3-Dichlorobenzene	11.748	146	7949	0.267	ug/l		95
83) 1,4-Dichlorobenzene	11.835	146	7688	0.264	ug/l		96
84) n-Butylbenzene	12.208	91	9794	0.209	ug/l		96
85) 1,2-Dichlorobenzene	12.211	146	7721	0.263	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	728	0.292	ug/l		94
87) 1,2,4-Trichlorobenzene	13.844	180	3902	0.245	ug/l		97
88) Hexachlorobutadiene	14.018	225	3384	0.326	ug/l		94
89) Naphthalene	14.092	128	7444	0.224	ug/l		99
90) 1,2,3-Trichlorobenzene	14.333	180	4487	0.258	ug/l		94

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

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