Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031721\
Data File : VU042693.D
Acq On : 17 Mar 2021 17:08
Operator : SY/MD
Sample : M1458-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 18 07:31:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 18 07:25:09 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2021

Manual Integrations APPROVED
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3/25/2021 1:07:45 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.124	96	15710	1.00	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	5659	0.81	ug/l		0.00
Spiked Amount 1.000			Recovery = 81.00%				
68) 1,2-Dichlorobenzene-d4	12.205	152	6320	0.85	ug/l		0.00
Spiked Amount 1.000			Recovery = 85.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	1729	0.28	ug/l		93
3) Chloromethane	1.523	50	1680	0.29	ug/l	#	87
4) Vinyl Chloride	1.610	62	1427	0.26	ug/l		97
5) Bromomethane	1.858	94	1300	0.35	ug/l		97
6) Chloroethane	1.935	64	1226	0.32	ug/l		95
7) Trichlorofluoromethane	2.141	101	2704	0.28	ug/l		97
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	1195	0.25	ug/l		95
9) 1,1-Dichloroethene	2.588	96	1138	0.28	ug/l		73
10) Iodomethane	2.729	142	1679	0.26	ug/l		89
11) Allyl Chloride	2.932	41	2034	0.26	ug/l		98
12) Acrylonitrile	3.324	53	416m	0.35	ug/l		
13) Acetone	2.645	43	1278	1.37	ug/l	#	47
14) Carbon Disulfide	2.800	76	3195	0.25	ug/l		98
15) Methylene Chloride	3.054	84	2075	0.41	ug/l		94
16) trans-1,2-Dichloroethene	3.366	96	1224	0.27	ug/l	#	60
17) 1,1-Dichloroethane	3.883	63	2376	0.26	ug/l	#	85
18) 2-Butanone	4.742	43	2446m	1.43	ug/l		
19) Cyclohexane	5.382	56	2137	0.27	ug/l	#	59
20) Methylcyclohexane	6.771	83	1581	0.23	ug/l		93
21) 2,2-Dichloropropane	4.677	77	2241	0.27	ug/l	#	74
22) cis-1,2-Dichloroethene	4.684	96	1085	0.22	ug/l		85
23) Diethyl Ether	2.385	59	790	0.23	ug/l	#	64
24) tert-Butyl Alcohol	3.218	59	338	1.36	ug/l	#	83
25) Methyl tert-Butyl Ether	3.382	73	2891	0.24	ug/l	#	83
26) Bromochloromethane	4.983	128	573	0.24	ug/l		90
27) Chloroform	5.102	83	2679	0.28	ug/l		93
28) 1,1,1-Trichloroethane	5.317	97	1941	0.22	ug/l		88
29) 1,1-Dichloropropene	5.533	75	1450	0.24	ug/l	#	79
30) Carbon Tetrachloride	5.526	117	1588	0.24	ug/l		98
31) Isopropyl Ether	4.018	45	4286m	0.26	ug/l		
32) Ethyl-t-butyl ether	4.520	59	3851	0.26	ug/l	#	63
33) Tert-Amyl methyl ether	5.957	73	2203	0.21	ug/l	#	94
34) Propionitrile	4.816	54	284	0.76	ug/l	#	40
35) Benzene	5.780	78	4091	0.24	ug/l		93
36) 1,2-Dichloroethane	5.806	62	1429	0.22	ug/l	#	78
37) Trichloroethene	6.552	130	1156	0.25	ug/l		93
38) 1,2-Dichloropropane	6.812	63	1015m	0.21	ug/l		
39) Methacrylonitrile	5.005	41	827	0.35	ug/l	#	57
40) Methyl acrylate	4.874	55	745	0.24	ug/l	#	74
41) Tetrahydrofuran	5.099	42	754m	0.64	ug/l		
42) 1-Chlorobutane	5.468	56	2286	0.25	ug/l		97
43) Dibromomethane	6.935	93	579	0.22	ug/l		91
44) Bromodichloromethane	7.115	83	1365	0.22	ug/l	#	94

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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	7.816	43	4472	1.11	ug/l		97
46) t-1,4-Dichloro-2-butene	10.841	75	574m	1.63	ug/l		
47) Methyl methacrylate	6.986	69	1061	0.45	ug/l		88
48) Ethyl methacrylate	8.353	69	869	0.19	ug/l		85
49) Toluene	7.980	92	2102	0.20	ug/l		91
50) t-1,3-Dichloropropene	8.221	75	1110	0.20	ug/l	#	74
51) cis-1,3-Dichloropropene	7.619	75	1233	0.20	ug/l		92
52) 1,1,2-Trichloroethane	8.414	97	835	0.22	ug/l	#	80
53) 1,3-Dichloropropane	8.587	76	1546	0.24	ug/l		99
54) 2-Hexanone	8.706	43	3263	1.13	ug/l		90
55) Dibromochloromethane	8.822	129	940	0.21	ug/l		92
56) 1,2-Dibromoethane	8.935	107	693	0.19	ug/l		83
58) Tetrachloroethene	8.562	164	1230	0.25	ug/l	#	74
59) Chlorobenzene	9.455	112	2810	0.24	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.545	131	898	0.19	ug/l		94
61) Pentachloroethane	11.436	117	802	0.22	ug/l		92
62) Hexachloroethane	12.484	117	680	0.18	ug/l		99
63) Ethyl Benzene	9.581	91	4137	0.20	ug/l		96
64) m/p-Xylenes	9.703	106	3013	0.38	ug/l		99
65) o-Xylene	10.111	106	1458	0.19	ug/l		95
66) Styrene	10.121	104	2520	0.19	ug/l		93
67) Bromoform	10.301	173	603	0.21	ug/l	#	75
69) Isopropylbenzene	10.494	105	4024	0.20	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.793	83	1200	0.24	ug/l	#	94
71) 1,2,3-Trichloropropane	10.832	75	978m	0.25	ug/l		
72) Bromobenzene	10.787	156	1347	0.23	ug/l		90
73) n-propylbenzene	10.915	120	880	0.15	ug/l	#	59
74) 2-Chlorotoluene	10.999	126	931	0.18	ug/l		84
75) 1,3,5-Trimethylbenzene	11.095	105	3309	0.18	ug/l		98
76) 4-Chlorotoluene	11.108	126	1054	0.19	ug/l		94
77) tert-Butylbenzene	11.430	119	3361	0.18	ug/l		92
78) 1,2,4-Trimethylbenzene	11.478	105	3440	0.18	ug/l		96
79) sec-Butylbenzene	11.651	105	4057	0.16	ug/l		96
81) p-Isopropyltoluene	11.803	119	3593	0.17	ug/l		97
82) 1,3-Dichlorobenzene	11.754	146	2477	0.21	ug/l	#	94
83) 1,4-Dichlorobenzene	11.844	146	2761	0.24	ug/l		86
84) n-Butylbenzene	12.217	91	3331	0.17	ug/l	#	90
85) 1,2-Dichlorobenzene	12.221	146	2041	0.18	ug/l		86
86) 1,2-Dibromo-3-Chloropr...	13.012	75	193m	0.21	ug/l		
87) 1,2,4-Trichlorobenzene	13.848	180	1632	0.21	ug/l	#	91
88) Hexachlorobutadiene	14.034	225	1206	0.24	ug/l		87
89) Naphthalene	14.098	128	2143	0.95	ug/l	#	84
90) 1,2,3-Trichlorobenzene	14.343	180	1328	0.18	ug/l		97

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

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