Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031821\
Data File : VU042705.D
Acq On : 18 Mar 2021 13:02
Operator : SY/MD
Sample : M1458-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 19 02:23:38 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 :
MDL-WATER-03-QT1-2021

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3/25/2021 1:08:52 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	14985	1.00	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	5583	0.84	ug/l		0.00
Spiked Amount 1.000			Recovery = 84.00%				
68) 1,2-Dichlorobenzene-d4	12.201	152	6440	0.91	ug/l		0.00
Spiked Amount 1.000			Recovery = 91.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	1493	0.26	ug/l		97
3) Chloromethane	1.526	50	1688	0.31	ug/l		90
4) Vinyl Chloride	1.607	62	1450	0.27	ug/l		95
5) Bromomethane	1.854	94	869	0.25	ug/l		96
6) Chloroethane	1.928	64	1315	0.36	ug/l		93
7) Trichlorofluoromethane	2.137	101	2452	0.27	ug/l		95
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	1388	0.30	ug/l	#	87
9) 1,1-Dichloroethene	2.581	96	1009	0.26	ug/l		91
10) Iodomethane	2.732	142	1633	0.26	ug/l		96
11) Allyl Chloride	2.925	41	2398	0.32	ug/l		91
12) Acrylonitrile	3.333	53	564	0.49	ug/l	#	77
13) Acetone	2.639	43	1481m	1.67	ug/l		
14) Carbon Disulfide	2.800	76	3151	0.26	ug/l	#	81
15) Methylene Chloride	3.050	84	2739	0.57	ug/l		99
16) trans-1,2-Dichloroethene	3.359	96	1299	0.31	ug/l		86
17) 1,1-Dichloroethane	3.877	63	2350	0.27	ug/l	#	85
18) 2-Butanone	4.745	43	2349	1.44	ug/l		78
19) Cyclohexane	5.385	56	2098	0.28	ug/l	#	92
20) Methylcyclohexane	6.767	83	1495	0.23	ug/l		93
21) 2,2-Dichloropropane	4.671	77	2343	0.29	ug/l	#	84
22) cis-1,2-Dichloroethene	4.681	96	1291	0.27	ug/l		88
23) Diethyl Ether	2.385	59	960	0.29	ug/l		89
24) tert-Butyl Alcohol	3.218	59	473	2.00	ug/l	#	83
25) Methyl tert-Butyl Ether	3.382	73	3248	0.28	ug/l	#	87
26) Bromochloromethane	4.989	128	577	0.25	ug/l		89
27) Chloroform	5.095	83	2588	0.28	ug/l		98
28) 1,1,1-Trichloroethane	5.324	97	1975	0.24	ug/l		94
29) 1,1-Dichloropropene	5.529	75	1453	0.25	ug/l		98
30) Carbon Tetrachloride	5.526	117	1635	0.25	ug/l		96
31) Isopropyl Ether	4.015	45	4067	0.26	ug/l		91
32) Ethyl-t-butyl ether	4.526	59	3613	0.26	ug/l	#	67
33) Tert-Amyl methyl ether	5.964	73	2528	0.25	ug/l	#	93
34) Propionitrile	4.822	54	425m	1.18	ug/l		
35) Benzene	5.780	78	4430	0.27	ug/l	#	88
36) 1,2-Dichloroethane	5.806	62	1686	0.27	ug/l	#	78
37) Trichloroethene	6.552	130	1184	0.27	ug/l		85
38) 1,2-Dichloropropane	6.803	63	1077	0.23	ug/l	#	82
39) Methacrylonitrile	5.002	41	511	0.23	ug/l	#	48
40) Methyl acrylate	4.870	55	523	0.18	ug/l	#	76
41) Tetrahydrofuran	5.089	42	750m	0.67	ug/l		
42) 1-Chlorobutane	5.465	56	2285	0.27	ug/l		92
43) Dibromomethane	6.935	93	582	0.23	ug/l		95
44) Bromodichloromethane	7.118	83	1423	0.24	ug/l	#	87

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 18 07:25:09 2021
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	4329	1.12	ug/l		98
46) t-1,4-Dichloro-2-butene	10.844	75	352m	1.52	ug/l		
47) Methyl methacrylate	6.980	69	978	0.43	ug/l	#	84
48) Ethyl methacrylate	8.349	69	972	0.22	ug/l		98
49) Toluene	7.970	92	2478	0.25	ug/l		91
50) t-1,3-Dichloropropene	8.221	75	1176	0.22	ug/l	#	83
51) cis-1,3-Dichloropropene	7.623	75	1235	0.21	ug/l		97
52) 1,1,2-Trichloroethane	8.407	97	973	0.27	ug/l	#	78
53) 1,3-Dichloropropane	8.584	76	1490	0.24	ug/l		96
54) 2-Hexanone	8.709	43	3000	1.09	ug/l		89
55) Dibromochloromethane	8.822	129	735	0.17	ug/l	#	80
56) 1,2-Dibromoethane	8.934	107	730	0.21	ug/l		83
58) Tetrachloroethene	8.558	164	1142	0.24	ug/l	#	90
59) Chlorobenzene	9.455	112	2666	0.23	ug/l	#	84
60) 1,1,1,2-Tetrachloroethane	9.545	131	953	0.21	ug/l		90
61) Pentachloroethane	11.436	117	721	0.21	ug/l		86
62) Hexachloroethane	12.484	117	666	0.19	ug/l		87
63) Ethyl Benzene	9.578	91	4572	0.24	ug/l		91
64) m/p-Xylenes	9.703	106	3253	0.44	ug/l		90
65) o-Xylene	10.105	106	1457	0.20	ug/l		97
66) Styrene	10.124	104	2491	0.20	ug/l		100
67) Bromoform	10.307	173	527	0.19	ug/l	#	82
69) Isopropylbenzene	10.494	105	4069	0.21	ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.796	83	1088	0.23	ug/l	#	90
71) 1,2,3-Trichloropropane	10.838	75	852m	0.23	ug/l		
72) Bromobenzene	10.790	156	1370	0.25	ug/l		96
73) n-propylbenzene	10.912	120	996	0.18	ug/l		85
74) 2-Chlorotoluene	10.995	126	1159	0.23	ug/l		92
75) 1,3,5-Trimethylbenzene	11.095	105	3210	0.18	ug/l		98
76) 4-Chlorotoluene	11.108	126	1188	0.22	ug/l		88
77) tert-Butylbenzene	11.430	119	3355	0.19	ug/l		96
78) 1,2,4-Trimethylbenzene	11.475	105	3324	0.18	ug/l		100
79) sec-Butylbenzene	11.651	105	4254m	0.18	ug/l		
81) p-Isopropyltoluene	11.803	119	3387	0.17	ug/l		97
82) 1,3-Dichlorobenzene	11.754	146	2499	0.23	ug/l		92
83) 1,4-Dichlorobenzene	11.848	146	2443	0.22	ug/l		98
84) n-Butylbenzene	12.217	91	3462	0.18	ug/l		96
85) 1,2-Dichlorobenzene	12.224	146	2075	0.19	ug/l		90
87) 1,2,4-Trichlorobenzene	13.854	180	1446	0.20	ug/l		94
88) Hexachlorobutadiene	14.031	225	1186	0.24	ug/l	#	86
89) Naphthalene	14.098	128	2344	0.97	ug/l	#	88
90) 1,2,3-Trichlorobenzene	14.339	180	1225	0.18	ug/l		94

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

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