Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031821\
Data File : VU042706.D
Acq On : 18 Mar 2021 13:32
Operator : SY/MD
Sample : M1458-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 19 02:24:57 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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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	16029	1.00	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	5419	0.76	ug/l		0.00
Spiked Amount 1.000			Recovery = 76.00%				
68) 1,2-Dichlorobenzene-d4	12.201	152	6424	0.85	ug/l		0.00
Spiked Amount 1.000			Recovery = 85.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	2249	0.36	ug/l		87
3) Chloromethane	1.523	50	2128	0.36	ug/l		100
4) Vinyl Chloride	1.607	62	1810	0.32	ug/l		91
5) Bromomethane	1.858	94	1465	0.39	ug/l		88
6) Chloroethane	1.932	64	1858	0.48	ug/l		91
7) Trichlorofluoromethane	2.134	101	3905	0.40	ug/l		94
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	1847	0.38	ug/l		98
9) 1,1-Dichloroethene	2.584	96	1530	0.36	ug/l		100
10) Iodomethane	2.726	142	2340	0.35	ug/l		94
11) Allyl Chloride	2.928	41	2835	0.35	ug/l		93
12) Acrylonitrile	3.334	53	822	0.67	ug/l	#	49
13) Acetone	2.652	43	1765	1.86	ug/l		98
14) Carbon Disulfide	2.797	76	4474	0.34	ug/l		100
15) Methylene Chloride	3.051	84	3017	0.59	ug/l		92
16) trans-1,2-Dichloroethene	3.359	96	1620	0.36	ug/l		99
17) 1,1-Dichloroethane	3.877	63	3649	0.39	ug/l	#	92
18) 2-Butanone	4.748	43	3338	1.91	ug/l		94
19) Cyclohexane	5.388	56	2928m	0.37	ug/l		
20) Methylcyclohexane	6.768	83	2128	0.31	ug/l		94
21) 2,2-Dichloropropane	4.674	77	3137	0.37	ug/l	#	76
22) cis-1,2-Dichloroethene	4.678	96	1871	0.36	ug/l		93
23) Diethyl Ether	2.382	59	1291	0.36	ug/l		93
24) tert-Butyl Alcohol	3.231	59	497	1.96	ug/l	#	83
25) Methyl tert-Butyl Ether	3.379	73	4565	0.37	ug/l		91
26) Bromochloromethane	4.980	128	861	0.35	ug/l		91
27) Chloroform	5.096	83	3499	0.36	ug/l		90
28) 1,1,1-Trichloroethane	5.317	97	3101	0.35	ug/l		99
29) 1,1-Dichloropropene	5.533	75	2240	0.36	ug/l		97
30) Carbon Tetrachloride	5.526	117	2214	0.32	ug/l		99
31) Isopropyl Ether	4.015	45	6313	0.38	ug/l		99
32) Ethyl-t-butyl ether	4.523	59	5175	0.35	ug/l		88
33) Tert-Amyl methyl ether	5.960	73	3501	0.32	ug/l		99
34) Propionitrile	4.813	54	545m	1.42	ug/l		
35) Benzene	5.780	78	5531	0.32	ug/l	#	89
36) 1,2-Dichloroethane	5.806	62	2427	0.36	ug/l	#	83
37) Trichloroethene	6.546	130	1697	0.36	ug/l		92
38) 1,2-Dichloropropane	6.806	63	1517	0.30	ug/l		96
39) Methacrylonitrile	4.999	41	1081	0.45	ug/l	#	60
40) Methyl acrylate	4.877	55	1224	0.39	ug/l	#	70
41) Tetrahydrofuran	5.076	42	1053m	0.88	ug/l		
42) 1-Chlorobutane	5.462	56	3378	0.37	ug/l		97
43) Dibromomethane	6.931	93	907	0.33	ug/l		94
44) Bromodichloromethane	7.121	83	2316	0.36	ug/l	#	86

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.819	43	6144	1.49 ug/l	#	94
46) t-1,4-Dichloro-2-butene	10.851	75	706m	1.70 ug/l		
47) Methyl methacrylate	6.983	69	1418	0.59 ug/l	#	91
48) Ethyl methacrylate	8.349	69	1397	0.29 ug/l		96
49) Toluene	7.976	92	3425	0.32 ug/l		97
50) t-1,3-Dichloropropene	8.221	75	1468	0.25 ug/l	#	84
51) cis-1,3-Dichloropropene	7.616	75	2010	0.31 ug/l		95
52) 1,1,2-Trichloroethane	8.411	97	1129	0.30 ug/l	#	85
53) 1,3-Dichloropropane	8.587	76	2133	0.33 ug/l		95
54) 2-Hexanone	8.703	43	4437	1.51 ug/l		94
55) Dibromochloromethane	8.822	129	1354	0.30 ug/l		99
56) 1,2-Dibromoethane	8.935	107	1044	0.28 ug/l		93
58) Tetrachloroethene	8.565	164	1729	0.34 ug/l		84
59) Chlorobenzene	9.456	112	3778	0.31 ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.546	131	1409	0.30 ug/l		91
61) Pentachloroethane	11.433	117	1147	0.31 ug/l		90
62) Hexachloroethane	12.481	117	974	0.26 ug/l		97
63) Ethyl Benzene	9.578	91	6344	0.31 ug/l		99
64) m/p-Xylenes	9.703	106	4497	0.56 ug/l		89
65) o-Xylene	10.108	106	2154	0.28 ug/l		95
66) Styrene	10.124	104	3602	0.27 ug/l		92
67) Bromoform	10.301	173	824	0.28 ug/l	#	82
69) Isopropylbenzene	10.491	105	5777	0.27 ug/l		93
70) 1,1,2,2-Tetrachloroethane	10.796	83	1579	0.32 ug/l		95
71) 1,2,3-Trichloropropane	10.835	75	1042m	0.26 ug/l		
72) Bromobenzene	10.787	156	1838	0.31 ug/l		98
73) n-propylbenzene	10.912	120	1656	0.28 ug/l		86
74) 2-Chlorotoluene	10.992	126	1539	0.29 ug/l		96
75) 1,3,5-Trimethylbenzene	11.099	105	4728	0.25 ug/l		93
76) 4-Chlorotoluene	11.108	126	1432	0.25 ug/l		96
77) tert-Butylbenzene	11.426	119	4676	0.25 ug/l		95
78) 1,2,4-Trimethylbenzene	11.475	105	4678	0.24 ug/l		99
79) sec-Butylbenzene	11.652	105	6604	0.26 ug/l		96
81) p-Isopropyltoluene	11.803	119	5180	0.24 ug/l		99
82) 1,3-Dichlorobenzene	11.754	146	3570	0.30 ug/l		97
83) 1,4-Dichlorobenzene	11.844	146	3357	0.28 ug/l		99
84) n-Butylbenzene	12.217	91	5021	0.25 ug/l		94
85) 1,2-Dichlorobenzene	12.221	146	3509	0.30 ug/l		97
86) 1,2-Dibromo-3-Chloropr...	13.002	75	129	0.14 ug/l	#	63
87) 1,2,4-Trichlorobenzene	13.854	180	1967	0.25 ug/l		99
88) Hexachlorobutadiene	14.028	225	1718	0.33 ug/l		95
89) Naphthalene	14.102	128	2745	0.98 ug/l	#	93
90) 1,2,3-Trichlorobenzene	14.340	180	1820	0.25 ug/l		89

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

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