Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031821\
Data File : VU042703.D
Acq On : 18 Mar 2021 12:03
Operator : SY/MD
Sample : M1458-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 19 02:20:55 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 :
LOQ-WATER-02-QT1-2021

Manual Integrations APPROVED
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3/25/2021 1:08:40 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	15225	1.00	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	6372	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
68) 1,2-Dichlorobenzene-d4	12.205	152	6820	0.95	ug/l		0.00
Spiked Amount 1.000			Recovery = 95.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	3411	0.58	ug/l		90
3) Chloromethane	1.527	50	3132	0.56	ug/l		96
4) Vinyl Chloride	1.607	62	2948	0.55	ug/l		99
5) Bromomethane	1.864	94	2233	0.63	ug/l		86
6) Chloroethane	1.941	64	1980	0.54	ug/l		97
7) Trichlorofluoromethane	2.144	101	4854	0.53	ug/l		97
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	2776	0.60	ug/l		90
9) 1,1-Dichloroethene	2.588	96	2059	0.51	ug/l		89
10) Iodomethane	2.736	142	3206	0.51	ug/l		95
11) Allyl Chloride	2.935	41	4174	0.54	ug/l		100
12) Acrylonitrile	3.337	53	1157	1.00	ug/l	#	72
13) Acetone	2.646	43	2491	2.76	ug/l		90
14) Carbon Disulfide	2.803	76	6678	0.53	ug/l		96
15) Methylene Chloride	3.054	84	3357	0.69	ug/l		92
16) trans-1,2-Dichloroethene	3.363	96	2403	0.56	ug/l	#	86
17) 1,1-Dichloroethane	3.880	63	4756	0.54	ug/l		95
18) 2-Butanone	4.742	43	4534	2.74	ug/l		100
19) Cyclohexane	5.395	56	4479	0.59	ug/l		96
20) Methylcyclohexane	6.768	83	3163	0.48	ug/l		99
21) 2,2-Dichloropropane	4.674	77	4239	0.52	ug/l		94
22) cis-1,2-Dichloroethene	4.681	96	2536	0.52	ug/l		95
23) Diethyl Ether	2.385	59	2061	0.61	ug/l	#	87
24) tert-Butyl Alcohol	3.218	59	1166m	4.85	ug/l		
25) Methyl tert-Butyl Ether	3.379	73	6037	0.51	ug/l		96
26) Bromochloromethane	4.983	128	1226	0.52	ug/l		94
27) Chloroform	5.102	83	5280	0.57	ug/l		95
28) 1,1,1-Trichloroethane	5.327	97	4587	0.55	ug/l		96
29) 1,1-Dichloropropene	5.530	75	3077	0.52	ug/l		93
30) Carbon Tetrachloride	5.530	117	3368	0.52	ug/l		97
31) Isopropyl Ether	4.012	45	8874	0.56	ug/l		97
32) Ethyl-t-butyl ether	4.520	59	7605	0.54	ug/l		98
33) Tert-Amyl methyl ether	5.964	73	5195	0.51	ug/l	#	95
34) Propionitrile	4.816	54	808m	2.22	ug/l		
35) Benzene	5.784	78	8638	0.52	ug/l	#	87
36) 1,2-Dichloroethane	5.809	62	3129	0.49	ug/l	#	90
37) Trichloroethene	6.552	130	2315	0.52	ug/l		96
38) 1,2-Dichloropropane	6.803	63	2571	0.54	ug/l		100
39) Methacrylonitrile	5.002	41	1381	0.60	ug/l	#	87
40) Methyl acrylate	4.877	55	1553	0.52	ug/l	#	69
41) Tetrahydrofuran	5.083	42	1161	1.02	ug/l	#	84
42) 1-Chlorobutane	5.465	56	4720	0.54	ug/l		95
43) Dibromomethane	6.932	93	1392	0.53	ug/l		93
44) Bromodichloromethane	7.118	83	3086	0.51	ug/l	#	98

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	9414	2.41 ug/l		96
46) t-1,4-Dichloro-2-butene	10.845	75	930m	1.84 ug/l		
47) Methyl methacrylate	6.980	69	2238	0.98 ug/l		91
48) Ethyl methacrylate	8.353	69	2001	0.44 ug/l		97
49) Toluene	7.977	92	4729	0.46 ug/l		95
50) t-1,3-Dichloropropene	8.224	75	2514	0.46 ug/l		94
51) cis-1,3-Dichloropropene	7.620	75	2828	0.46 ug/l		97
52) 1,1,2-Trichloroethane	8.414	97	1924	0.53 ug/l	#	84
53) 1,3-Dichloropropane	8.587	76	3372	0.54 ug/l		92
54) 2-Hexanone	8.703	43	6452	2.31 ug/l		94
55) Dibromochloromethane	8.822	129	1990	0.47 ug/l		96
56) 1,2-Dibromoethane	8.935	107	1744	0.49 ug/l		99
58) Tetrachloroethene	8.558	164	2745	0.57 ug/l		94
59) Chlorobenzene	9.456	112	5731	0.49 ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.539	131	2389	0.53 ug/l		92
61) Pentachloroethane	11.433	117	1640	0.47 ug/l		97
62) Hexachloroethane	12.484	117	1434	0.40 ug/l		81
63) Ethyl Benzene	9.581	91	9137	0.46 ug/l		99
64) m/p-Xylenes	9.703	106	6703	0.88 ug/l		99
65) o-Xylene	10.111	106	3308	0.45 ug/l		99
66) Styrene	10.121	104	5268	0.42 ug/l		94
67) Bromoform	10.298	173	1156	0.42 ug/l	#	90
69) Isopropylbenzene	10.494	105	8829	0.44 ug/l		94
70) 1,1,2,2-Tetrachloroethane	10.790	83	2287	0.48 ug/l	#	96
71) 1,2,3-Trichloropropane	10.838	75	2261m	0.60 ug/l		
72) Bromobenzene	10.790	156	2652	0.47 ug/l		97
73) n-propylbenzene	10.915	120	2584	0.46 ug/l		95
74) 2-Chlorotoluene	10.996	126	2208	0.43 ug/l		94
75) 1,3,5-Trimethylbenzene	11.095	105	7498	0.42 ug/l		96
76) 4-Chlorotoluene	11.105	126	2117	0.39 ug/l		76
77) tert-Butylbenzene	11.430	119	7381	0.42 ug/l		98
78) 1,2,4-Trimethylbenzene	11.475	105	7751	0.42 ug/l		95
79) sec-Butylbenzene	11.652	105	9916	0.41 ug/l		97
81) p-Isopropyltoluene	11.803	119	8195	0.41 ug/l		98
82) 1,3-Dichlorobenzene	11.755	146	5290	0.47 ug/l		98
83) 1,4-Dichlorobenzene	11.845	146	5450	0.48 ug/l		94
84) n-Butylbenzene	12.217	91	7930	0.41 ug/l		92
85) 1,2-Dichlorobenzene	12.224	146	5262	0.48 ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.008	75	310	0.35 ug/l		95
87) 1,2,4-Trichlorobenzene	13.851	180	3242	0.44 ug/l		95
88) Hexachlorobutadiene	14.031	225	2369	0.48 ug/l		91
89) Naphthalene	14.098	128	4666	1.11 ug/l		95
90) 1,2,3-Trichlorobenzene	14.340	180	3299	0.47 ug/l		100

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

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