Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031721\
Data File : VU042694.D
Acq On : 17 Mar 2021 17:38
Operator : SY/MD
Sample : M1458-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations APPROVED
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3/25/2021 1:07:50 PM

Quant Time: Mar 18 07:32:33 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	15098	1.00	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	5456	0.81	ug/l		0.00
Spiked Amount 1.000			Recovery = 81.00%				
68) 1,2-Dichlorobenzene-d4	12.201	152	6047	0.85	ug/l		0.00
Spiked Amount 1.000			Recovery = 85.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	1771	0.30	ug/l		87
3) Chloromethane	1.527	50	2353	0.42	ug/l		100
4) Vinyl Chloride	1.607	62	1832	0.34	ug/l	#	83
5) Bromomethane	1.858	94	1814	0.51	ug/l		85
6) Chloroethane	1.935	64	1463	0.40	ug/l		96
7) Trichlorofluoromethane	2.144	101	3328	0.36	ug/l		99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	1450	0.32	ug/l		95
9) 1,1-Dichloroethene	2.588	96	1431	0.36	ug/l		81
10) Iodomethane	2.732	142	2046	0.33	ug/l		86
11) Allyl Chloride	2.932	41	2651	0.35	ug/l		88
12) Acrylonitrile	3.333	53	756m	0.66	ug/l		
13) Acetone	2.645	43	1709	1.91	ug/l	#	85
14) Carbon Disulfide	2.800	76	4374	0.35	ug/l		98
15) Methylene Chloride	3.051	84	2228	0.46	ug/l		96
16) trans-1,2-Dichloroethene	3.366	96	1489	0.35	ug/l		84
17) 1,1-Dichloroethane	3.880	63	3367	0.38	ug/l	#	85
18) 2-Butanone	4.748	43	2748	1.67	ug/l		91
19) Cyclohexane	5.388	56	2626	0.35	ug/l		94
20) Methylcyclohexane	6.764	83	1835	0.28	ug/l	#	79
21) 2,2-Dichloropropane	4.671	77	2747	0.34	ug/l	#	71
22) cis-1,2-Dichloroethene	4.681	96	1622	0.34	ug/l		90
23) Diethyl Ether	2.385	59	1150	0.34	ug/l	#	87
24) tert-Butyl Alcohol	3.215	59	922m	3.87	ug/l		
25) Methyl tert-Butyl Ether	3.375	73	3901	0.33	ug/l		97
26) Bromochloromethane	4.983	128	678	0.29	ug/l		63
27) Chloroform	5.102	83	3358	0.37	ug/l		98
28) 1,1,1-Trichloroethane	5.321	97	2579	0.31	ug/l		90
29) 1,1-Dichloropropene	5.530	75	1909	0.33	ug/l	#	90
30) Carbon Tetrachloride	5.526	117	2085	0.32	ug/l	#	95
31) Isopropyl Ether	4.022	45	5517	0.35	ug/l		98
32) Ethyl-t-butyl ether	4.526	59	4577	0.33	ug/l		98
33) Tert-Amyl methyl ether	5.967	73	3157	0.31	ug/l	#	95
34) Propionitrile	4.796	54	652m	1.80	ug/l		
35) Benzene	5.784	78	5616	0.34	ug/l		94
36) 1,2-Dichloroethane	5.813	62	2247	0.35	ug/l	#	78
37) Trichloroethene	6.552	130	1518	0.34	ug/l	#	79
38) 1,2-Dichloropropane	6.809	63	1439	0.31	ug/l		98
39) Methacrylonitrile	5.005	41	719	0.31	ug/l	#	61
40) Methyl acrylate	4.864	55	1143m	0.38	ug/l		
41) Tetrahydrofuran	5.096	42	853	0.75	ug/l	#	52
42) 1-Chlorobutane	5.465	56	2779	0.32	ug/l		92
43) Dibromomethane	6.925	93	775	0.30	ug/l		90
44) Bromodichloromethane	7.118	83	1979	0.33	ug/l	#	90

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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	7.819	43	6010	1.55	ug/l		97
46)	t-1,4-Dichloro-2-butene	10.841	75	1126m	1.95	ug/l		
47)	Methyl methacrylate	6.986	69	1336	0.59	ug/l		97
48)	Ethyl methacrylate	8.349	69	1097	0.24	ug/l		93
49)	Toluene	7.976	92	3041	0.30	ug/l		98
50)	t-1,3-Dichloropropene	8.221	75	1712	0.32	ug/l		99
51)	cis-1,3-Dichloropropene	7.623	75	1724	0.28	ug/l		93
52)	1,1,2-Trichloroethane	8.410	97	1036	0.29	ug/l	#	84
53)	1,3-Dichloropropane	8.584	76	1831	0.30	ug/l		91
54)	2-Hexanone	8.703	43	4126	1.49	ug/l		93
55)	Dibromochloromethane	8.816	129	1262	0.30	ug/l		99
56)	1,2-Dibromoethane	8.935	107	1094	0.31	ug/l		86
58)	Tetrachloroethene	8.562	164	1470	0.31	ug/l		93
59)	Chlorobenzene	9.459	112	3567	0.31	ug/l		95
60)	1,1,1,2-Tetrachloroethane	9.542	131	1417	0.32	ug/l		93
61)	Pentachloroethane	11.433	117	923	0.27	ug/l		89
62)	Hexachloroethane	12.487	117	848	0.24	ug/l		98
63)	Ethyl Benzene	9.581	91	5354	0.27	ug/l		98
64)	m/p-Xylenes	9.700	106	4015	0.53	ug/l		96
65)	o-Xylene	10.108	106	2138	0.29	ug/l		95
66)	Styrene	10.124	104	3078	0.25	ug/l		93
67)	Bromoform	10.304	173	605	0.22	ug/l	#	93
69)	Isopropylbenzene	10.491	105	5295	0.27	ug/l		92
70)	1,1,2,2-Tetrachloroethane	10.790	83	1540	0.33	ug/l	#	90
71)	1,2,3-Trichloropropane	10.841	75	926m	0.25	ug/l		
72)	Bromobenzene	10.790	156	1659	0.30	ug/l		96
73)	n-propylbenzene	10.912	120	1431	0.26	ug/l		99
74)	2-Chlorotoluene	10.999	126	1467	0.29	ug/l		83
75)	1,3,5-Trimethylbenzene	11.095	105	4164	0.24	ug/l		99
76)	4-Chlorotoluene	11.108	126	1143	0.21	ug/l		75
77)	tert-Butylbenzene	11.426	119	4594	0.26	ug/l		91
78)	1,2,4-Trimethylbenzene	11.478	105	4193	0.23	ug/l		95
79)	sec-Butylbenzene	11.652	105	5282	0.22	ug/l		99
81)	p-Isopropyltoluene	11.803	119	4837	0.24	ug/l		93
82)	1,3-Dichlorobenzene	11.754	146	3179	0.29	ug/l		93
83)	1,4-Dichlorobenzene	11.844	146	2891	0.26	ug/l		97
84)	n-Butylbenzene	12.217	91	4645	0.24	ug/l		93
85)	1,2-Dichlorobenzene	12.221	146	3053	0.28	ug/l		98
86)	1,2-Dibromo-3-Chloropr...	13.005	75	223	0.25	ug/l	#	56
87)	1,2,4-Trichlorobenzene	13.851	180	1823	0.25	ug/l		95
88)	Hexachlorobutadiene	14.031	225	1440	0.29	ug/l		96
89)	Naphthalene	14.095	128	2497	0.98	ug/l	#	94
90)	1,2,3-Trichlorobenzene	14.339	180	1632	0.23	ug/l		96

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

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