Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031721\
Data File : VU042686.D
Acq On : 17 Mar 2021 11:54
Operator : SY/MD
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 18 03:49:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 18 03:47:11 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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3/25/2021 1:07:13 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.125	96	15794	1.00	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	6571	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
68) 1,2-Dichlorobenzene-d4	12.201	152	7199	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	6030	0.95	ug/l		99
3) Chloromethane	1.527	50	5753	0.98	ug/l		100
4) Vinyl Chloride	1.610	62	5812	1.04	ug/l		99
5) Bromomethane	1.864	94	3668	0.96	ug/l		93
6) Chloroethane	1.938	64	3543	0.99	ug/l		93
7) Trichlorofluoromethane	2.147	101	9715	1.00	ug/l		95
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	4775	0.97	ug/l		99
9) 1,1-Dichloroethene	2.588	96	4263	1.02	ug/l		92
10) Iodomethane	2.729	142	5783	0.86	ug/l		91
11) Allyl Chloride	2.932	41	7921	1.01	ug/l		96
12) Acrylonitrile	3.334	53	1929	1.63	ug/l	#	84
13) Acetone	2.646	43	4543	5.22	ug/l		96
14) Carbon Disulfide	2.803	76	12968	1.00	ug/l		98
15) Methylene Chloride	3.057	84	5377	1.01	ug/l		99
16) trans-1,2-Dichloroethene	3.359	96	4227	0.95	ug/l		96
17) 1,1-Dichloroethane	3.880	63	9488	1.04	ug/l		98
18) 2-Butanone	4.739	43	8089	4.87	ug/l		100
19) Cyclohexane	5.391	56	7945m	1.05	ug/l		
20) Methylcyclohexane	6.768	83	5947	0.87	ug/l		98
21) 2,2-Dichloropropane	4.681	77	8332	0.99	ug/l		99
22) cis-1,2-Dichloroethene	4.684	96	5277	1.05	ug/l		98
23) Diethyl Ether	2.385	59	3506	1.00	ug/l		94
24) tert-Butyl Alcohol	3.218	59	2119	9.03	ug/l	#	83
25) Methyl tert-Butyl Ether	3.379	73	12295	1.01	ug/l		95
26) Bromochloromethane	4.983	128	2368	0.97	ug/l		99
27) Chloroform	5.099	83	9673	0.99	ug/l		99
28) 1,1,1-Trichloroethane	5.321	97	8765	1.00	ug/l		98
29) 1,1-Dichloropropene	5.533	75	6143	1.00	ug/l		96
30) Carbon Tetrachloride	5.530	117	6353	0.92	ug/l		94
31) Isopropyl Ether	4.019	45	16953	1.04	ug/l		99
32) Ethyl-t-butyl ether	4.527	59	14710	1.01	ug/l		98
33) Tert-Amyl methyl ether	5.961	73	10131	0.94	ug/l		98
34) Propionitrile	4.803	54	1721	4.69	ug/l	#	78
35) Benzene	5.784	78	16301	0.95	ug/l		95
36) 1,2-Dichloroethane	5.806	62	6643	0.99	ug/l		100
37) Trichloroethene	6.549	130	4803	1.02	ug/l		93
38) 1,2-Dichloropropane	6.803	63	4878	1.01	ug/l		95
39) Methacrylonitrile	4.999	41	2576	1.03	ug/l	#	86
40) Methyl acrylate	4.867	55	3061	0.95	ug/l	#	95
41) Tetrahydrofuran	5.086	42	2387	2.09	ug/l	#	82
42) 1-Chlorobutane	5.469	56	8651	0.95	ug/l		99
43) Dibromomethane	6.928	93	2597	0.94	ug/l		97
44) Bromodichloromethane	7.118	83	5984	0.94	ug/l		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	18591	4.50	ug/l		99
46) t-1,4-Dichloro-2-butene	10.845	75	2011m	1.49	ug/l		
47) Methyl methacrylate	6.980	69	4267	1.78	ug/l		96
48) Ethyl methacrylate	8.350	69	4063	0.85	ug/l		98
49) Toluene	7.980	92	9634	0.92	ug/l		98
50) t-1,3-Dichloropropene	8.221	75	4843	0.83	ug/l	#	83
51) cis-1,3-Dichloropropene	7.620	75	5721	0.90	ug/l		98
52) 1,1,2-Trichloroethane	8.411	97	3493	0.93	ug/l		94
53) 1,3-Dichloropropane	8.587	76	5965	0.93	ug/l		99
54) 2-Hexanone	8.706	43	12913	4.47	ug/l		93
55) Dibromochloromethane	8.819	129	4012	0.91	ug/l		95
56) 1,2-Dibromoethane	8.938	107	3541	0.95	ug/l		98
58) Tetrachloroethene	8.562	164	4911	0.99	ug/l		92
59) Chlorobenzene	9.456	112	11146	0.93	ug/l		93
60) 1,1,1,2-Tetrachloroethane	9.542	131	4285	0.90	ug/l		95
61) Pentachloroethane	11.436	117	3146	0.88	ug/l		98
62) Hexachloroethane	12.484	117	3250	0.87	ug/l		99
63) Ethyl Benzene	9.578	91	17567	0.87	ug/l		98
64) m/p-Xylenes	9.703	106	13267	1.69	ug/l		97
65) o-Xylene	10.112	106	6760	0.88	ug/l		93
66) Styrene	10.124	104	10394	0.81	ug/l		97
67) Bromoform	10.301	173	2564	0.89	ug/l	#	96
69) Isopropylbenzene	10.494	105	17452	0.83	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.793	83	4589	0.91	ug/l		94
71) 1,2,3-Trichloropropane	10.838	75	3557m	0.81	ug/l		
72) Bromobenzene	10.793	156	4943	0.84	ug/l		90
73) n-propylbenzene	10.915	120	4664	0.81	ug/l		89
74) 2-Chlorotoluene	10.996	126	4690	0.88	ug/l		96
75) 1,3,5-Trimethylbenzene	11.099	105	14628	0.79	ug/l		100
76) 4-Chlorotoluene	11.105	126	4862	0.88	ug/l		99
77) tert-Butylbenzene	11.430	119	15311	0.83	ug/l		97
78) 1,2,4-Trimethylbenzene	11.478	105	15811	0.82	ug/l		98
79) sec-Butylbenzene	11.652	105	20696	0.85	ug/l		100
80) Nitrobenzene	13.227	77	456	3.48	ug/l	#	58
81) p-Isopropyltoluene	11.803	119	17272	0.84	ug/l		97
82) 1,3-Dichlorobenzene	11.755	146	10444	0.93	ug/l		97
83) 1,4-Dichlorobenzene	11.845	146	10450	0.91	ug/l		99
84) n-Butylbenzene	12.218	91	16153	0.83	ug/l		100
85) 1,2-Dichlorobenzene	12.224	146	9989	0.88	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.005	75	692	0.74	ug/l		87
87) 1,2,4-Trichlorobenzene	13.851	180	6775	0.94	ug/l		96
88) Hexachlorobutadiene	14.031	225	4753	0.99	ug/l		94
89) Naphthalene	14.099	128	8999	0.73	ug/l		99
90) 1,2,3-Trichlorobenzene	14.340	180	5852	0.85	ug/l		96

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

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