Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060321\
Data File : VU044041.D
Acq On : 03 Jun 2021 16:07
Operator : SY/MD
Sample : M2262-08 1.0PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2021

Manual Integrations APPROVED
MMDadoda
6/7/2021 1:07:52 PM

Quant Time: Jun 04 06:46:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jun 04 06:43:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	14891	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	4834	0.934	ug/l	0.00
Spiked Amount 1.000			Recovery = 93.000%			
68) 1,2-Dichlorobenzene-d4	12.201	152	5967	1.081	ug/l	0.00
Spiked Amount 1.000			Recovery = 108.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.392	85	6909	1.102	ug/l	99
3) Chloromethane	1.527	50	7370	1.090	ug/l	99
4) Vinyl Chloride	1.610	62	6810	1.068	ug/l	98
5) Bromomethane	1.864	94	4655	1.225	ug/l	99
6) Chloroethane	1.941	64	4320	1.110	ug/l	90
7) Trichlorofluoromethane	2.147	101	7975	1.113	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	4431	1.073	ug/l	98
9) 1,1-Dichloroethene	2.591	96	4280	1.097	ug/l	96
10) Iodomethane	2.732	142	5182	1.032	ug/l	99
11) Allyl Chloride	2.932	41	6757	1.075	ug/l	96
12) Acrylonitrile	3.334	53	1512	1.901	ug/l	96
13) Acetone	2.642	43	2172	4.333	ug/l	91
14) Carbon Disulfide	2.803	76	14110	1.049	ug/l	98
15) Methylene Chloride	3.057	84	6118	1.044	ug/l	96
16) trans-1,2-Dichloroethene	3.363	96	4639	1.076	ug/l	92
17) 1,1-Dichloroethane	3.884	63	8693	1.049	ug/l	98
18) 2-Butanone	4.742	43	4565	4.567	ug/l	94
19) Cyclohexane	5.391	56	8509m	1.082	ug/l	
20) Methylcyclohexane	6.768	83	5265	0.837	ug/l	93
21) 2,2-Dichloropropane	4.674	77	7334	1.116	ug/l	96
22) cis-1,2-Dichloroethene	4.681	96	5004	1.088	ug/l	96
23) Diethyl Ether	2.388	59	3462	1.085	ug/l	98
24) tert-Butyl Alcohol	3.208	59	2894	7.785	ug/l #	1
25) Methyl tert-Butyl Ether	3.385	73	10087	1.029	ug/l #	92
26) Bromochloromethane	4.986	128	1977	1.062	ug/l	94
27) Chloroform	5.099	83	8654	1.071	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	7497	1.098	ug/l	99
29) 1,1-Dichloropropene	5.533	75	6607	1.034	ug/l	97
30) Carbon Tetrachloride	5.530	117	6352	1.067	ug/l	96
31) Isopropyl Ether	4.019	45	13706	1.042	ug/l	96
32) Ethyl-t-butyl ether	4.527	59	11949	1.012	ug/l	98
33) Tert-Amyl methyl ether	5.964	73	8060	0.881	ug/l	99
34) Propionitrile	4.803	54	1695m	6.368	ug/l	
35) Benzene	5.784	78	19028	1.025	ug/l	100
36) 1,2-Dichloroethane	5.809	62	5654	1.042	ug/l #	93
37) Trichloroethene	6.549	130	4301	1.001	ug/l	91
38) 1,2-Dichloropropane	6.803	63	4893	0.999	ug/l	98
39) Methacrylonitrile	4.999	41	1493	1.009	ug/l	92
40) Methyl acrylate	4.871	55	2463	1.036	ug/l #	94
41) Tetrahydrofuran	5.083	42	1305	1.760	ug/l	98
42) 1-Chlorobutane	5.465	56	9817	1.066	ug/l	100
43) Dibromomethane	6.928	93	2578	1.071	ug/l	92
44) Bromodichloromethane	7.115	83	6196	1.032	ug/l	96

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	11134	4.177 ug/l	#	94
46) t-1,4-Dichloro-2-butene	10.838	75	2518m	2.125 ug/l		
47) Methyl methacrylate	6.980	69	3427	1.677 ug/l		95
48) Ethyl methacrylate	8.350	69	2998	0.807 ug/l		97
49) Toluene	7.980	92	8531	0.832 ug/l		95
50) t-1,3-Dichloropropene	8.221	75	4746	0.913 ug/l		95
51) cis-1,3-Dichloropropene	7.620	75	5335	0.912 ug/l		98
52) 1,1,2-Trichloroethane	8.411	97	3476	1.003 ug/l		97
53) 1,3-Dichloropropane	8.588	76	6083	1.000 ug/l		99
54) 2-Hexanone	8.710	43	7844	4.253 ug/l		87
55) Dibromochloromethane	8.819	129	3625	0.956 ug/l		99
56) 1,2-Dibromoethane	8.935	107	3094	1.006 ug/l		98
58) Tetrachloroethene	8.559	164	4307	1.080 ug/l		97
59) Chlorobenzene	9.456	112	9773	0.908 ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.542	131	4229	1.036 ug/l		97
61) Pentachloroethane	11.436	117	3336	1.010 ug/l		95
62) Hexachloroethane	12.481	117	3376	1.030 ug/l		94
63) Ethyl Benzene	9.578	91	13920	0.783 ug/l		97
64) m/p-Xylenes	9.703	106	10623	1.507 ug/l		99
65) o-Xylene	10.108	106	5248	0.802 ug/l		99
66) Styrene	10.121	104	8499	0.735 ug/l		99
67) Bromoform	10.304	173	2066	0.994 ug/l	#	92
69) Isopropylbenzene	10.491	105	13551	0.780 ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.790	83	4588	1.008 ug/l		95
71) 1,2,3-Trichloropropane	10.832	75	3433m	0.999 ug/l		
72) Bromobenzene	10.790	156	3913	0.893 ug/l		99
73) n-propylbenzene	10.915	120	3405	0.700 ug/l		74
74) 2-Chlorotoluene	10.996	126	3516	0.806 ug/l		85
75) 1,3,5-Trimethylbenzene	11.095	105	11709	0.751 ug/l		98
76) 4-Chlorotoluene	11.105	126	3920	0.831 ug/l		93
77) tert-Butylbenzene	11.430	119	11834	0.794 ug/l		99
78) 1,2,4-Trimethylbenzene	11.475	105	11928	0.745 ug/l		100
79) sec-Butylbenzene	11.652	105	16269	0.778 ug/l		100
80) Nitrobenzene	13.218	77	524	3.847 ug/l	#	63
81) p-Isopropyltoluene	11.800	119	12947	0.762 ug/l		98
82) 1,3-Dichlorobenzene	11.755	146	9065	0.947 ug/l		98
83) 1,4-Dichlorobenzene	11.845	146	9130	0.958 ug/l		99
84) n-Butylbenzene	12.218	91	13420	0.797 ug/l		97
85) 1,2-Dichlorobenzene	12.221	146	8783	0.964 ug/l		97
86) 1,2-Dibromo-3-Chloropr...	13.009	75	677	0.980 ug/l		92
87) 1,2,4-Trichlorobenzene	13.848	180	4485	0.835 ug/l		96
88) Hexachlorobutadiene	14.031	225	3477	0.996 ug/l		99
89) Naphthalene	14.095	128	6215	0.671 ug/l		99
90) 1,2,3-Trichlorobenzene	14.340	180	4148	0.801 ug/l		97

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

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