Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032122\
Data File : VU047626.D
Acq On : 21 Mar 2022 11:39
Operator : SY/MD
Sample : VU0321WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 01:47:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Mar 18 13:19:37 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0321WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	33300	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.633	95	11536	0.929	ug/l	0.00
Spiked Amount 1.000			Recovery =	93.000%		
68) 1,2-Dichlorobenzene-d4	12.195	152	13599	0.904	ug/l	0.00
Spiked Amount 1.000			Recovery =	90.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.376	85	20810	1.730	ug/l	98
3) Chloromethane	1.520	50	20223	1.721	ug/l	98
4) Vinyl Chloride	1.598	62	19264	1.689	ug/l	98
5) Bromomethane	1.852	94	8575	1.282	ug/l	99
6) Chloroethane	1.929	64	11873	1.741	ug/l	99
7) Trichlorofluoromethane	2.135	101	26717	1.694	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	15374	1.706	ug/l #	90
9) 1,1-Dichloroethene	2.575	96	15151	1.701	ug/l	92
10) Iodomethane	2.720	142	5594	2.183	ug/l	98
11) Allyl Chloride	2.919	41	20275	1.811	ug/l	98
12) Acrylonitrile	3.321	53	7743	3.940	ug/l	90
13) Acetone	2.646	43	12804	9.579	ug/l	98
14) Carbon Disulfide	2.790	76	48216	1.713	ug/l	97
15) Methylene Chloride	3.041	84	20488	1.514	ug/l	98
16) trans-1,2-Dichloroethene	3.347	96	15997	1.708	ug/l	95
17) 1,1-Dichloroethane	3.864	63	29529	1.858	ug/l	99
18) 2-Butanone	4.726	43	20134	9.672	ug/l	100
19) Cyclohexane	5.388	56	20792m	1.744	ug/l	
20) Methylcyclohexane	6.761	83	22655	1.656	ug/l	99
21) 2,2-Dichloropropane	4.662	77	25013	1.790	ug/l	94
22) cis-1,2-Dichloroethene	4.662	96	17843	1.754	ug/l	88
23) Diethyl Ether	2.372	59	11348	1.744	ug/l	95
24) tert-Butyl Alcohol	3.260	59	8628m	19.226	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	39063	1.802	ug/l	94
26) Bromochloromethane	4.974	128	8971	1.744	ug/l	85
27) Chloroform	5.086	83	31010	1.805	ug/l	99
28) 1,1,1-Trichloroethane	5.314	97	26412	1.771	ug/l	95
29) 1,1-Dichloropropene	5.523	75	21777	1.801	ug/l	95
30) Carbon Tetrachloride	5.520	117	23277	1.751	ug/l	99
31) Isopropyl Ether	3.993	45	36931	1.750	ug/l	90
32) Ethyl-t-butyl ether	4.504	59	37744	1.772	ug/l	96
33) Tert-Amyl methyl ether	5.945	73	33919	1.694	ug/l	96
34) Propionitrile	4.803	54	5917	9.499	ug/l #	83
35) Benzene	5.774	78	63084	1.744	ug/l	99
36) 1,2-Dichloroethane	5.794	62	19618	1.793	ug/l	99
37) Trichloroethene	6.543	130	18019	1.724	ug/l	92
38) 1,2-Dichloropropane	6.790	63	15922	1.709	ug/l	95
39) Methacrylonitrile	4.977	41	4701	1.803	ug/l	92
40) Methyl acrylate	4.851	55	8385	1.902	ug/l #	94
41) Tetrahydrofuran	5.067	42	5058	3.822	ug/l	98
42) 1-Chlorobutane	5.456	56	28291	1.816	ug/l	100
43) Dibromomethane	6.919	93	9771	1.750	ug/l #	86
44) Bromodichloromethane	7.109	83	22168	1.712	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	47375	8.489	ug/l		98
46) t-1,4-Dichloro-2-butene	10.838	75	7007m	2.890	ug/l		
47) Methyl methacrylate	6.964	69	15769	3.492	ug/l		91
48) Ethyl methacrylate	8.337	69	14021	1.648	ug/l		88
49) Toluene	7.970	92	37579	1.690	ug/l		96
50) t-1,3-Dichloropropene	8.211	75	19775	1.648	ug/l		97
51) cis-1,3-Dichloropropene	7.607	75	22032	1.668	ug/l		94
52) 1,1,2-Trichloroethane	8.401	97	13496	1.737	ug/l		97
53) 1,3-Dichloropropane	8.578	76	22179	1.754	ug/l		97
54) 2-Hexanone	8.691	43	31166	7.648	ug/l		99
55) Dibromochloromethane	8.809	129	16632	1.695	ug/l		99
56) 1,2-Dibromoethane	8.925	107	12835	1.660	ug/l		95
58) Tetrachloroethene	8.552	164	16086	1.669	ug/l		96
59) Chlorobenzene	9.449	112	44030	1.699	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.536	131	16965	1.687	ug/l		99
61) Pentachloroethane	11.430	117	13916	1.635	ug/l		86
62) Hexachloroethane	12.475	117	13065	1.546	ug/l	#	72
63) Ethyl Benzene	9.572	91	65084	1.603	ug/l		98
64) m/p-Xylenes	9.694	106	52421	3.255	ug/l		93
65) o-Xylene	10.102	106	25062	1.645	ug/l		94
66) Styrene	10.115	104	41285	1.571	ug/l		95
67) Bromoform	10.292	173	10380	1.590	ug/l	#	97
69) Isopropylbenzene	10.485	105	65578	1.625	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.784	83	17449	1.687	ug/l		99
71) 1,2,3-Trichloropropane	10.825	75	11751m	1.439	ug/l		
72) Bromobenzene	10.784	156	20562	1.700	ug/l		78
73) n-propylbenzene	10.909	120	18902	1.614	ug/l		83
74) 2-Chlorotoluene	10.986	126	17585	1.635	ug/l		83
75) 1,3,5-Trimethylbenzene	11.089	105	54399	1.658	ug/l		98
76) 4-Chlorotoluene	11.099	126	18799	1.643	ug/l		78
77) tert-Butylbenzene	11.420	119	56303	1.602	ug/l		92
78) 1,2,4-Trimethylbenzene	11.469	105	54559	1.631	ug/l		93
79) sec-Butylbenzene	11.645	105	74217	1.620	ug/l		97
80) Nitrobenzene	13.214	77	3087	7.306	ug/l	#	94
81) p-Isopropyltoluene	11.793	119	59757	1.671	ug/l		97
82) 1,3-Dichlorobenzene	11.748	146	39477	1.652	ug/l		97
83) 1,4-Dichlorobenzene	11.838	146	39313	1.636	ug/l		96
84) n-Butylbenzene	12.211	91	55717	1.684	ug/l		94
85) 1,2-Dichlorobenzene	12.214	146	37839	1.648	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	2681	1.537	ug/l	#	74
87) 1,2,4-Trichlorobenzene	13.841	180	25373	1.548	ug/l		98
88) Hexachlorobutadiene	14.021	225	15459	1.571	ug/l		98
89) Naphthalene	14.089	128	37035	1.330	ug/l		100
90) 1,2,3-Trichlorobenzene	14.333	180	22894	1.481	ug/l		96

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

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