Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032122\
Data File : VU047629.D
Acq On : 21 Mar 2022 15:47
Operator : SY/MD
Sample : N1645-09 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 01:49:03 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 :
MDL-WATER-03-QT1-2022

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	6.118	96	33897	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.635	95	11699	0.926	ug/l		0.00
Spiked Amount 1.000			Recovery =	93.000%			
68) 1,2-Dichlorobenzene-d4	12.198	152	15036	0.982	ug/l		0.00
Spiked Amount 1.000			Recovery =	98.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	5317	0.434	ug/l		98
3) Chloromethane	1.530	50	5405	0.452	ug/l		96
4) Vinyl Chloride	1.607	62	5134	0.442	ug/l		95
5) Bromomethane	1.861	94	2673	0.393	ug/l		98
6) Chloroethane	1.938	64	3041	0.438	ug/l		90
7) Trichlorofluoromethane	2.144	101	6651	0.414	ug/l		97
8) 1,1,2-Trichloro-1,2,2-...	2.587	101	3894	0.425	ug/l		89
9) 1,1-Dichloroethene	2.587	96	4002	0.441	ug/l		83
10) Iodomethane	2.732	142	1556	1.418	ug/l		93
11) Allyl Chloride	2.931	41	5696	0.500	ug/l		99
12) Acrylonitrile	3.327	53	1684	0.842	ug/l	#	85
13) Acetone	2.645	43	3566	2.621	ug/l		98
14) Carbon Disulfide	2.800	76	12010	0.419	ug/l		97
15) Methylene Chloride	3.050	84	10969	0.506	ug/l		95
16) trans-1,2-Dichloroethene	3.359	96	4123	0.433	ug/l		95
17) 1,1-Dichloroethane	3.874	63	7248	0.448	ug/l		96
18) 2-Butanone	4.738	43	4898	2.311	ug/l		96
19) Cyclohexane	5.391	56	4768m	0.393	ug/l		
20) Methylcyclohexane	6.767	83	5175	0.372	ug/l		97
21) 2,2-Dichloropropane	4.668	77	6077	0.427	ug/l		99
22) cis-1,2-Dichloroethene	4.671	96	4331	0.418	ug/l		85
23) Diethyl Ether	2.382	59	2895	0.437	ug/l		92
24) tert-Butyl Alcohol	3.243	59	2378m	5.206	ug/l		
25) Methyl tert-Butyl Ether	3.375	73	9637	0.437	ug/l		98
26) Bromochloromethane	4.980	128	2150	0.411	ug/l		80
27) Chloroform	5.095	83	7868	0.450	ug/l		99
28) 1,1,1-Trichloroethane	5.320	97	6458	0.425	ug/l		95
29) 1,1-Dichloropropene	5.526	75	4880	0.397	ug/l		95
30) Carbon Tetrachloride	5.529	117	5489	0.406	ug/l		94
31) Isopropyl Ether	4.005	45	9323	0.434	ug/l		93
32) Ethyl-t-butyl ether	4.513	59	9043	0.417	ug/l		92
33) Tert-Amyl methyl ether	5.947	73	7987	0.392	ug/l		99
34) Propionitrile	4.809	54	1197m	1.619	ug/l		
35) Benzene	5.780	78	15402	0.418	ug/l		98
36) 1,2-Dichloroethane	5.803	62	4486	0.403	ug/l		97
37) Trichloroethene	6.545	130	4366	0.410	ug/l		89
38) 1,2-Dichloropropane	6.793	63	3907	0.412	ug/l		95
39) Methacrylonitrile	4.992	41	1052	0.396	ug/l	#	67
40) Methyl acrylate	4.874	55	1863	0.415	ug/l	#	85
41) Tetrahydrofuran	5.083	42	1211	0.899	ug/l	#	63
42) 1-Chlorobutane	5.462	56	6543	0.413	ug/l		97
43) Dibromomethane	6.922	93	2326	0.409	ug/l	#	84
44) Bromodichloromethane	7.111	83	5706	0.433	ug/l	#	97

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.799	43	11707	2.061	ug/l		98
46)	t-1,4-Dichloro-2-butene	10.841	75	1645m	0.667	ug/l		
47)	Methyl methacrylate	6.967	69	3287	0.715	ug/l		96
48)	Ethyl methacrylate	8.340	69	3067	0.354	ug/l		89
49)	Toluene	7.973	92	8602	0.380	ug/l		92
50)	t-1,3-Dichloropropene	8.217	75	4970	0.407	ug/l	#	71
51)	cis-1,3-Dichloropropene	7.610	75	5353	0.398	ug/l		92
52)	1,1,2-Trichloroethane	8.404	97	3341	0.422	ug/l		97
53)	1,3-Dichloropropane	8.581	76	5308	0.412	ug/l		98
54)	2-Hexanone	8.693	43	8774	2.115	ug/l		92
55)	Dibromochloromethane	8.812	129	3960	0.396	ug/l		98
56)	1,2-Dibromoethane	8.925	107	3269	0.415	ug/l		97
58)	Tetrachloroethene	8.558	164	4220	0.430	ug/l		88
59)	Chlorobenzene	9.452	112	10795	0.409	ug/l		99
60)	1,1,1,2-Tetrachloroethane	9.539	131	4256	0.416	ug/l		98
61)	Pentachloroethane	11.426	117	3651	0.421	ug/l		98
62)	Hexachloroethane	12.478	117	3380	0.393	ug/l	#	68
63)	Ethyl Benzene	9.574	91	15260	0.369	ug/l		94
64)	m/p-Xylenes	9.696	106	11259	0.687	ug/l		97
65)	o-Xylene	10.102	106	5474	0.353	ug/l		100
66)	Styrene	10.118	104	9236	0.345	ug/l		93
67)	Bromoform	10.291	173	2671	0.402	ug/l		99
69)	Isopropylbenzene	10.487	105	14292	0.348	ug/l		96
70)	1,1,2,2-Tetrachloroethane	10.786	83	4700	0.446	ug/l		95
71)	1,2,3-Trichloropropane	10.828	75	3819m	0.459	ug/l		
72)	Bromobenzene	10.786	156	5263	0.427	ug/l		73
73)	n-propylbenzene	10.909	120	4154	0.349	ug/l		86
74)	2-Chlorotoluene	10.989	126	4043	0.369	ug/l		83
75)	1,3,5-Trimethylbenzene	11.089	105	11648	0.624	ug/l		97
76)	4-Chlorotoluene	11.102	126	4255	0.365	ug/l		75
77)	tert-Butylbenzene	11.423	119	13091	0.366	ug/l		89
78)	1,2,4-Trimethylbenzene	11.468	105	12135	0.627	ug/l		97
79)	sec-Butylbenzene	11.645	105	16426	0.352	ug/l		99
80)	Nitrobenzene	13.220	77	732	1.702	ug/l	#	78
81)	p-Isopropyltoluene	11.796	119	12722	0.688	ug/l		97
82)	1,3-Dichlorobenzene	11.748	146	9985	0.410	ug/l		96
83)	1,4-Dichlorobenzene	11.841	146	10004	0.409	ug/l		96
84)	n-Butylbenzene	12.211	91	13249	0.741	ug/l		94
85)	1,2-Dichlorobenzene	12.214	146	9754	0.417	ug/l		96
86)	1,2-Dibromo-3-Chloropr...	12.999	75	673	0.379	ug/l	#	70
87)	1,2,4-Trichlorobenzene	13.844	180	6749	0.404	ug/l		96
88)	Hexachlorobutadiene	14.024	225	3907	0.390	ug/l		97
89)	Naphthalene	14.092	128	9575	0.338	ug/l		97
90)	1,2,3-Trichlorobenzene	14.333	180	5703	0.363	ug/l		92

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

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