Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
Data File : VU053157.D
Acq On : 27 Feb 2023 17:49
Operator : JC/MD
Sample : 01627-07 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 04:07:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 28 04:06:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.112	96	24532	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.630	95	9412	0.909	ug/l		0.00
Spiked Amount 1.000			Recovery =	91.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	7948	0.968	ug/l		0.00
Spiked Amount 1.000			Recovery =	97.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.386	85	1683	0.270	ug/l		85
3) Chloromethane	1.521	50	1990	0.310	ug/l		100
4) Vinyl Chloride	1.604	62	1953	0.286	ug/l		98
5) Bromomethane	1.862	94	1174	0.302	ug/l		85
6) Chloroethane	1.936	64	1249	0.301	ug/l		89
7) Trichlorofluoromethane	2.141	101	2566	0.261	ug/l		91
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	1450	0.236	ug/l	#	93
9) 1,1-Dichloroethene	2.582	96	1446	0.271	ug/l		96
10) Iodomethane	2.723	142	1252	0.228	ug/l		91
11) Allyl Chloride	2.926	41	3025	0.363	ug/l		89
12) Acrylonitrile	3.315	53	837	0.612	ug/l	#	86
13) Acetone	2.653	43	2834m	1.450	ug/l		
14) Carbon Disulfide	2.791	76	3652	0.298	ug/l		100
15) Methylene Chloride	3.045	84	3988	0.522	ug/l	#	83
16) trans-1,2-Dichloroethene	3.353	96	1802	0.307	ug/l		92
17) 1,1-Dichloroethane	3.868	63	3834	0.299	ug/l	#	85
18) 2-Butanone	4.714	43	4134m	1.762	ug/l		
19) Cyclohexane	5.386	56	2962m	0.289	ug/l		
20) Methylcyclohexane	6.755	83	2801	0.285	ug/l		96
21) 2,2-Dichloropropane	4.662	77	3842	0.341	ug/l	#	84
22) cis-1,2-Dichloroethene	4.662	96	1993	0.275	ug/l		92
23) Diethyl Ether	2.379	59	1139	0.261	ug/l	#	69
24) tert-Butyl Alcohol	3.267	59	1839m	3.583	ug/l		
25) Methyl tert-Butyl Ether	3.363	73	4330	0.279	ug/l	#	70
26) Bromochloromethane	4.974	128	727	0.260	ug/l		92
27) Chloroform	5.083	83	3919	0.296	ug/l		90
28) 1,1,1-Trichloroethane	5.312	97	3040	0.273	ug/l		94
29) 1,1-Dichloropropene	5.517	75	2172	0.261	ug/l	#	88
30) Carbon Tetrachloride	5.514	117	2090	0.273	ug/l	#	83
31) Isopropyl Ether	4.000	45	5642	0.275	ug/l		95
32) Ethyl-t-butyl ether	4.508	59	5303	0.273	ug/l		100
33) Tert-Amyl methyl ether	5.945	73	4336	0.281	ug/l	#	95
34) Propionitrile	4.794	54	1106	2.026	ug/l	#	75
35) Benzene	5.771	78	7081	0.288	ug/l		97
36) 1,2-Dichloroethane	5.797	62	2316	0.315	ug/l	#	84
37) Trichloroethene	6.543	130	1548	0.274	ug/l		82
38) 1,2-Dichloropropane	6.791	63	2013	0.283	ug/l		91
39) Methacrylonitrile	4.977	41	684	0.294	ug/l	#	53
40) Methyl acrylate	4.858	55	1252m	0.348	ug/l		
41) Tetrahydrofuran	5.070	42	1045m	0.915	ug/l		
42) 1-Chlorobutane	5.453	56	3292	0.284	ug/l		90
43) Dibromomethane	6.919	93	785	0.249	ug/l		92
44) Bromodichloromethane	7.106	83	2566	0.298	ug/l	#	98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.800	43	5958	1.549	ug/l		97
46)	t-1,4-Dichloro-2-butene	10.823	75	1261m	0.650	ug/l		
47)	Methyl methacrylate	6.967	69	1888	0.582	ug/l		93
48)	Ethyl methacrylate	8.337	69	1905	0.286	ug/l		89
49)	Toluene	7.967	92	4343	0.287	ug/l		100
50)	t-1,3-Dichloropropene	8.212	75	2474	0.295	ug/l		99
51)	cis-1,3-Dichloropropene	7.607	75	2743	0.270	ug/l		95
52)	1,1,2-Trichloroethane	8.402	97	1140	0.246	ug/l		94
53)	1,3-Dichloropropane	8.572	76	2617	0.315	ug/l		100
54)	2-Hexanone	8.694	43	4309	1.315	ug/l		92
55)	Dibromochloromethane	8.810	129	1491	0.282	ug/l		87
56)	1,2-Dibromoethane	8.922	107	1208	0.294	ug/l		94
58)	Tetrachloroethene	8.553	164	1174	0.261	ug/l		93
59)	Chlorobenzene	9.446	112	4891	0.289	ug/l		97
60)	1,1,1,2-Tetrachloroethane	9.533	131	1430	0.256	ug/l		93
61)	Pentachloroethane	11.421	117	1273	0.262	ug/l		93
62)	Hexachloroethane	12.469	117	1151	0.215	ug/l		97
63)	Ethyl Benzene	9.569	91	8936	0.286	ug/l		97
64)	m/p-Xylenes	9.691	106	6185	0.546	ug/l		93
65)	o-Xylene	10.099	106	3192	0.276	ug/l		99
66)	Styrene	10.112	104	5338	0.291	ug/l		97
69)	Isopropylbenzene	10.482	105	8748	0.282	ug/l		99
70)	1,1,2,2-Tetrachloroethane	10.778	83	2058	0.330	ug/l	#	93
71)	1,2,3-Trichloropropane	10.823	75	1734m	0.323	ug/l		
72)	Bromobenzene	10.784	156	1687	0.281	ug/l		89
73)	n-propylbenzene	10.906	120	2171	0.264	ug/l		91
74)	2-Chlorotoluene	10.983	126	1925	0.283	ug/l		79
75)	1,3,5-Trimethylbenzene	11.086	105	6598	0.256	ug/l		90
76)	4-Chlorotoluene	11.099	126	2111	0.295	ug/l		95
77)	tert-Butylbenzene	11.417	119	6749	0.267	ug/l		97
78)	1,2,4-Trimethylbenzene	11.466	105	7211	0.274	ug/l		98
79)	sec-Butylbenzene	11.643	105	9585	0.273	ug/l		94
80)	Nitrobenzene	13.228	77	492m	1.509	ug/l		
81)	p-Isopropyltoluene	11.790	119	6934	0.250	ug/l	#	93
82)	1,3-Dichlorobenzene	11.742	146	3627	0.275	ug/l		95
83)	1,4-Dichlorobenzene	11.832	146	4184	0.310	ug/l		92
84)	n-Butylbenzene	12.205	91	8254	0.287	ug/l		97
85)	1,2-Dichlorobenzene	12.212	146	3554	0.282	ug/l		97
87)	1,2,4-Trichlorobenzene	13.842	180	2265	0.293	ug/l		92
88)	Hexachlorobutadiene	14.019	225	1029	0.273	ug/l		87
89)	Naphthalene	14.089	128	5633	0.343	ug/l		98
90)	1,2,3-Trichlorobenzene	14.327	180	2259	0.332	ug/l		99

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

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