Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101822\
Data File : VU051441.D
Acq On : 18 Oct 2022 14:51
Operator : JC/MD
Sample : N4955-08 0.5PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 19 03:55:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Oct 19 03:54:58 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2022

Manual Integrations APPROVED
Reviewed By :Krupa Patel 10/25/2022
Supervised By :Mahesh Dadoda 10/25/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	50557	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14520	0.819	ug/l	0.00
Spiked Amount 1.000			Recovery =	82.000%		
68) 1,2-Dichlorobenzene-d4	12.195	152	17166	0.867	ug/l	0.00
Spiked Amount 1.000			Recovery =	87.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	9107m	0.516	ug/l	
3) Chloromethane	1.533	50	13940	0.501	ug/l	99
4) Vinyl Chloride	1.604	62	11312m	0.470	ug/l	
5) Bromomethane	1.858	94	8326	0.620	ug/l	94
6) Chloroethane	1.932	64	7773	0.566	ug/l	96
7) Trichlorofluoromethane	2.137	101	13964	0.519	ug/l	91
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	7423	0.500	ug/l	98
9) 1,1-Dichloroethene	2.581	96	8037	0.518	ug/l	98
10) Iodomethane	2.723	142	9924	0.494	ug/l	93
11) Allyl Chloride	2.922	41	12307	0.520	ug/l	93
12) Acrylonitrile	3.317	53	5149	1.128	ug/l	98
13) Acetone	2.629	43	9265	2.818	ug/l	95
14) Carbon Disulfide	2.790	76	28943	0.523	ug/l	100
15) Methylene Chloride	3.044	84	20858	0.918	ug/l	95
16) trans-1,2-Dichloroethene	3.353	96	9069	0.510	ug/l	90
17) 1,1-Dichloroethane	3.867	63	16214	0.507	ug/l	96
18) 2-Butanone	4.726	43	8780	2.201	ug/l	97
19) Cyclohexane	5.385	56	8372m	0.422	ug/l	
20) Methylcyclohexane	6.758	83	8108	0.412	ug/l	91
21) 2,2-Dichloropropane	4.665	77	10644	0.477	ug/l	98
22) cis-1,2-Dichloroethene	4.665	96	8547	0.508	ug/l	96
23) Diethyl Ether	2.379	59	6283	0.464	ug/l #	86
24) tert-Butyl Alcohol	3.202	59	6146	4.326	ug/l	100
25) Methyl tert-Butyl Ether	3.369	73	20651	0.512	ug/l #	79
26) Bromochloromethane	4.977	128	4095	0.499	ug/l	97
27) Chloroform	5.089	83	16015	0.494	ug/l	98
28) 1,1,1-Trichloroethane	5.317	97	13204	0.511	ug/l	97
29) 1,1-Dichloropropene	5.526	75	8420	0.425	ug/l	98
30) Carbon Tetrachloride	5.523	117	10375	0.476	ug/l	86
31) Isopropyl Ether	4.005	45	18577	0.491	ug/l	89
32) Ethyl-t-butyl ether	4.510	59	15840	0.458	ug/l	98
33) Tert-Amyl methyl ether	5.948	73	12067	0.398	ug/l	97
34) Propionitrile	4.790	54	3385	2.524	ug/l #	67
35) Benzene	5.774	78	31283	0.471	ug/l	93
36) 1,2-Dichloroethane	5.800	62	10305	0.503	ug/l #	86
37) Trichloroethene	6.542	130	7384	0.473	ug/l	82
38) 1,2-Dichloropropane	6.796	63	8325	0.457	ug/l	97
39) Methacrylonitrile	4.993	41	2237	0.488	ug/l #	66
40) Methyl acrylate	4.864	55	3059	0.419	ug/l #	71
41) Tetrahydrofuran	5.067	42	2286m	0.950	ug/l	
42) 1-Chlorobutane	5.462	56	11705	0.433	ug/l	86
43) Dibromomethane	6.919	93	4327	0.457	ug/l	95
44) Bromodichloromethane	7.105	83	10956	0.478	ug/l	95

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.796	43	17249	1.915	ug/l		95
46)	t-1,4-Dichloro-2-butene	10.825	75	4963m	0.987	ug/l		
47)	Methyl methacrylate	6.967	69	5610	0.775	ug/l		94
48)	Ethyl methacrylate	8.340	69	4477	0.369	ug/l		93
49)	Toluene	7.970	92	13814	0.379	ug/l		90
50)	t-1,3-Dichloropropene	8.211	75	7769	0.422	ug/l		92
51)	cis-1,3-Dichloropropene	7.610	75	9021	0.416	ug/l		96
52)	1,1,2-Trichloroethane	8.401	97	6374	0.472	ug/l		96
53)	1,3-Dichloropropane	8.574	76	10277	0.472	ug/l		92
54)	2-Hexanone	8.690	43	11589	1.871	ug/l		95
55)	Dibromochloromethane	8.809	129	6919	0.471	ug/l		94
56)	1,2-Dibromoethane	8.925	107	5412	0.456	ug/l		97
58)	Tetrachloroethene	8.552	164	6383	0.470	ug/l		95
59)	Chlorobenzene	9.446	112	17643	0.441	ug/l		99
60)	1,1,1,2-Tetrachloroethane	9.533	131	7657	0.499	ug/l		97
61)	Pentachloroethane	11.426	117	6469	0.474	ug/l		100
62)	Hexachloroethane	12.475	117	6042	0.466	ug/l		99
63)	Ethyl Benzene	9.571	91	22489	0.371	ug/l		100
64)	m/p-Xylenes	9.693	106	15939	0.659	ug/l		98
65)	o-Xylene	10.099	106	7756	0.330	ug/l		88
66)	Styrene	10.115	104	12316	0.316	ug/l		97
67)	Bromoform	10.288	173	3924	0.476	ug/l	#	99
69)	Isopropylbenzene	10.484	105	19129	0.330	ug/l		98
70)	1,1,2,2-Tetrachloroethane	10.780	83	8183	0.448	ug/l		97
71)	1,2,3-Trichloropropane	10.822	75	6658m	0.490	ug/l		
72)	Bromobenzene	10.783	156	6631	0.417	ug/l		94
73)	n-propylbenzene	10.906	120	4990	0.306	ug/l		89
74)	2-Chlorotoluene	10.986	126	5341	0.345	ug/l		95
75)	1,3,5-Trimethylbenzene	11.086	105	15998	0.305	ug/l		98
76)	4-Chlorotoluene	11.095	126	5259	0.332	ug/l		85
77)	tert-Butylbenzene	11.420	119	18544	0.362	ug/l		94
78)	1,2,4-Trimethylbenzene	11.465	105	16258	0.298	ug/l		96
79)	sec-Butylbenzene	11.642	105	21304	0.314	ug/l		97
80)	Nitrobenzene	13.211	77	2008	2.219	ug/l	#	89
81)	p-Isopropyltoluene	11.793	119	16180	0.298	ug/l		95
82)	1,3-Dichlorobenzene	11.745	146	13479	0.394	ug/l		99
83)	1,4-Dichlorobenzene	11.835	146	13331	0.398	ug/l		97
84)	n-Butylbenzene	12.211	91	16830	0.312	ug/l		95
85)	1,2-Dichlorobenzene	12.211	146	12910	0.383	ug/l		98
86)	1,2-Dibromo-3-Chloropr...	12.996	75	1180	0.413	ug/l		96
87)	1,2,4-Trichlorobenzene	13.841	180	6538	0.358	ug/l		89
88)	Hexachlorobutadiene	14.021	225	5576	0.469	ug/l		98
89)	Naphthalene	14.085	128	12615	0.330	ug/l		95
90)	1,2,3-Trichlorobenzene	14.333	180	7289	0.365	ug/l		98

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

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