Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081722\
Data File : VU050362.D
Acq On : 17 Aug 2022 18:57
Operator : SY/MD
Sample : N3980-07 0.4ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2022

Quant Time: Aug 18 07:59:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 18 07:58:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.134	96	34715	1.000	ug/l	# 0.01
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	8988	0.753	ug/l	0.00
Spiked Amount 1.000			Recovery =	75.000%		
68) 1,2-Dichlorobenzene-d4	12.195	152	10832	0.764	ug/l	0.00
Spiked Amount 1.000			Recovery =	76.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	4044	0.297	ug/l	96
3) Chloromethane	1.520	50	5822	0.356	ug/l	94
4) Vinyl Chloride	1.604	62	4860	0.330	ug/l	97
5) Bromomethane	1.858	94	2309	0.361	ug/l	95
6) Chloroethane	1.935	64	3334	0.367	ug/l	99
7) Trichlorofluoromethane	2.141	101	5527	0.319	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.587	101	2880	0.307	ug/l	97
9) 1,1-Dichloroethene	2.587	96	3375	0.347	ug/l	95
10) Iodomethane	2.732	142	2629	0.286	ug/l	91
11) Allyl Chloride	2.938	41	5279	0.330	ug/l	98
12) Acrylonitrile	3.343	53	1648	0.512	ug/l	92
13) Acetone	2.645	43	3055	1.099	ug/l	94
14) Carbon Disulfide	2.803	76	11722	0.352	ug/l	100
15) Methylene Chloride	3.063	84	18083	0.917	ug/l	98
16) trans-1,2-Dichloroethene	3.372	96	3875	0.360	ug/l	87
17) 1,1-Dichloroethane	3.890	63	7381	0.352	ug/l #	91
18) 2-Butanone	4.767	43	4072	1.190	ug/l	98
19) Cyclohexane	5.369	56	4677m	0.368	ug/l	
20) Methylcyclohexane	6.803	83	2993	0.244	ug/l	91
21) 2,2-Dichloropropane	4.677	77	5694	0.366	ug/l	97
22) cis-1,2-Dichloroethene	4.677	96	4348	0.382	ug/l	98
23) Diethyl Ether	2.382	59	2863	0.304	ug/l	89
24) tert-Butyl Alcohol	3.234	59	2902	2.387	ug/l #	81
25) Methyl tert-Butyl Ether	3.401	73	9077	0.329	ug/l #	88
26) Bromochloromethane	4.983	128	1437	0.280	ug/l	89
27) Chloroform	5.089	83	7559	0.364	ug/l	90
28) 1,1,1-Trichloroethane	5.301	97	5618	0.348	ug/l	95
29) 1,1-Dichloropropene	5.513	75	5126	0.404	ug/l #	90
30) Carbon Tetrachloride	5.513	117	4258	0.323	ug/l	96
31) Isopropyl Ether	4.031	45	11249	0.360	ug/l	89
32) Ethyl-t-butyl ether	4.542	59	8947	0.356	ug/l	97
33) Tert-Amyl methyl ether	5.976	73	5602	0.321	ug/l #	91
34) Propionitrile	4.819	54	1313m	1.151	ug/l	
35) Benzene	5.774	78	14195	0.342	ug/l	96
36) 1,2-Dichloroethane	5.806	62	4215	0.323	ug/l #	87
37) Trichloroethene	6.584	130	3378	0.334	ug/l	91
38) 1,2-Dichloropropane	6.838	63	3360	0.291	ug/l #	82
39) Methacrylonitrile	5.005	41	1514	0.413	ug/l #	81
40) Methyl acrylate	4.874	55	2769	0.432	ug/l #	77
41) Tetrahydrofuran	5.092	42	1497	0.726	ug/l	93
42) 1-Chlorobutane	5.449	56	6954	0.391	ug/l	97
43) Dibromomethane	6.960	93	2010	0.316	ug/l	94
44) Bromodichloromethane	7.147	83	4739	0.323	ug/l	93

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081722DW.M
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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.832	43	9251	1.327 ug/l		88
46) t-1,4-Dichloro-2-butene	10.835	75	1609m	0.701 ug/l		
47) Methyl methacrylate	7.012	69	2322	0.452 ug/l	#	93
48) Ethyl methacrylate	8.359	69	2060	0.229 ug/l		98
49) Toluene	7.992	92	5766	0.246 ug/l		96
50) t-1,3-Dichloropropene	8.234	75	3269	0.269 ug/l		95
51) cis-1,3-Dichloropropene	7.642	75	3711	0.270 ug/l	#	84
52) 1,1,2-Trichloroethane	8.420	97	2832	0.298 ug/l		97
53) 1,3-Dichloropropane	8.597	76	4137	0.281 ug/l		99
54) 2-Hexanone	8.713	43	5908	1.247 ug/l		84
55) Dibromochloromethane	8.832	129	3154	0.312 ug/l		98
56) 1,2-Dibromoethane	8.944	107	2610	0.318 ug/l		91
58) Tetrachloroethene	8.574	164	2893	0.303 ug/l		89
59) Chlorobenzene	9.459	112	7147	0.281 ug/l		92
60) 1,1,1,2-Tetrachloroethane	9.549	131	3179	0.308 ug/l		91
61) Pentachloroethane	11.436	117	2854	0.339 ug/l	#	78
62) Hexachloroethane	12.478	117	1961	0.277 ug/l		96
63) Ethyl Benzene	9.584	91	9604	0.242 ug/l		95
64) m/p-Xylenes	9.703	106	6795	0.437 ug/l		95
65) o-Xylene	10.108	106	3559	0.239 ug/l		93
66) Styrene	10.127	104	5469	0.220 ug/l		97
67) Bromoform	10.298	173	1681	0.291 ug/l	#	95
69) Isopropylbenzene	10.491	105	8740	0.230 ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.793	83	4064	0.315 ug/l		97
71) 1,2,3-Trichloropropane	10.835	75	2296m	0.250 ug/l		
72) Bromobenzene	10.790	156	2768	0.261 ug/l		95
73) n-propylbenzene	10.915	120	2288	0.228 ug/l		96
74) 2-Chlorotoluene	10.996	126	2482	0.252 ug/l		83
75) 1,3,5-Trimethylbenzene	11.095	105	7249	0.219 ug/l		96
76) 4-Chlorotoluene	11.105	126	2314	0.231 ug/l		89
77) tert-Butylbenzene	11.426	119	8074	0.244 ug/l		89
78) 1,2,4-Trimethylbenzene	11.471	105	7266	0.209 ug/l		95
79) sec-Butylbenzene	11.648	105	8903	0.200 ug/l		99
80) Nitrobenzene	13.220	77	1371	1.727 ug/l	#	74
81) p-Isopropyltoluene	11.796	119	7321	0.124 ug/l		97
82) 1,3-Dichlorobenzene	11.751	146	6340	0.285 ug/l		90
83) 1,4-Dichlorobenzene	11.844	146	5994	0.262 ug/l		95
84) n-Butylbenzene	12.214	91	7542	0.210 ug/l		97
85) 1,2-Dichlorobenzene	12.214	146	5908	0.267 ug/l		96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	454	0.219 ug/l	#	64
87) 1,2,4-Trichlorobenzene	13.844	180	4181	0.296 ug/l		98
88) Hexachlorobutadiene	14.021	225	2377	0.294 ug/l		92
89) Naphthalene	14.092	128	9424	0.340 ug/l		98
90) 1,2,3-Trichlorobenzene	14.336	180	4276	0.300 ug/l		96

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

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