Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082522\
Data File : VU050444.D
Acq On : 25 Aug 2022 13:54
Operator : SY/MD
Sample : N3980-09 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

Quant Time: Aug 26 11:32:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.112	96	33057	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	8816	0.783	ug/l		0.00
Spiked Amount 1.000			Recovery = 78.000%				
68) 1,2-Dichlorobenzene-d4	12.198	152	11327	0.851	ug/l		0.00
Spiked Amount 1.000			Recovery = 85.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.385	85	4280	0.313	ug/l		96
3) Chloromethane	1.517	50	6692m	0.402	ug/l		
4) Vinyl Chloride	1.604	62	4448	0.313	ug/l		99
5) Bromomethane	1.858	94	2016	0.346	ug/l		98
6) Chloroethane	1.935	64	3109	0.361	ug/l		94
7) Trichlorofluoromethane	2.141	101	5648	0.318	ug/l		91
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	3261	0.328	ug/l		96
9) 1,1-Dichloroethene	2.584	96	3321	0.341	ug/l		95
10) Iodomethane	2.729	142	1465	0.182	ug/l		86
11) Allyl Chloride	2.932	41	5228	0.348	ug/l		100
12) Acrylonitrile	3.340	53	2005m	0.687	ug/l		
13) Acetone	2.639	43	5247m	2.569	ug/l		
14) Carbon Disulfide	2.800	76	9385	0.311	ug/l		95
15) Methylene Chloride	3.051	84	6265	0.476	ug/l		95
16) trans-1,2-Dichloroethene	3.356	96	3535	0.351	ug/l		88
17) 1,1-Dichloroethane	3.883	63	7476	0.357	ug/l	#	95
18) 2-Butanone	4.752	43	5300	1.650	ug/l		97
19) Cyclohexane	5.356	56	5633m	0.370	ug/l		
20) Methylcyclohexane	6.787	83	3313	0.276	ug/l		98
21) 2,2-Dichloropropane	4.665	77	5416	0.340	ug/l	#	74
22) cis-1,2-Dichloroethene	4.674	96	4106	0.361	ug/l		95
23) Diethyl Ether	2.385	59	2700	0.323	ug/l		94
24) tert-Butyl Alcohol	3.205	59	3553m	3.357	ug/l		
25) Methyl tert-Butyl Ether	3.385	73	8770	0.339	ug/l	#	88
26) Bromochloromethane	4.973	128	1513	0.331	ug/l		88
27) Chloroform	5.086	83	7472	0.368	ug/l		96
28) 1,1,1-Trichloroethane	5.295	97	5377	0.310	ug/l		91
29) 1,1-Dichloropropene	5.504	75	5601	0.403	ug/l		92
30) Carbon Tetrachloride	5.501	117	4877	0.352	ug/l	#	95
31) Isopropyl Ether	4.028	45	13202	0.406	ug/l		97
32) Ethyl-t-butyl ether	4.536	59	9239m	0.362	ug/l		
33) Tert-Amyl methyl ether	5.960	73	5310	0.319	ug/l	#	89
34) Propionitrile	4.809	54	1626m	1.714	ug/l		
35) Benzene	5.761	78	13389	0.328	ug/l		92
36) 1,2-Dichloroethane	5.793	62	4085	0.328	ug/l	#	88
37) Trichloroethene	6.568	130	3331	0.341	ug/l		93
38) 1,2-Dichloropropane	6.832	63	3513	0.321	ug/l	#	85
39) Methacrylonitrile	4.993	41	1877	0.482	ug/l	#	77
40) Methyl acrylate	4.880	55	2873	0.484	ug/l	#	81
41) Tetrahydrofuran	5.099	42	3180m	1.631	ug/l		
42) 1-Chlorobutane	5.440	56	6836	0.346	ug/l		95
43) Dibromomethane	6.960	93	1859	0.315	ug/l		94
44) Bromodichloromethane	7.137	83	4556	0.327	ug/l	#	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.835	43	8610	1.453	ug/l	#	90
46) t-1,4-Dichloro-2-butene	10.832	75	1968m	1.065	ug/l		
47) Methyl methacrylate	7.009	69	2004	1.358	ug/l		98
48) Ethyl methacrylate	8.359	69	1698	0.713	ug/l		91
49) Toluene	7.986	92	5367	0.245	ug/l		94
50) t-1,3-Dichloropropene	8.237	75	2988	0.275	ug/l	#	78
51) cis-1,3-Dichloropropene	7.636	75	3601	0.290	ug/l		95
52) 1,1,2-Trichloroethane	8.420	97	2896	0.334	ug/l		91
53) 1,3-Dichloropropane	8.594	76	4054	0.297	ug/l		93
54) 2-Hexanone	8.722	43	5707	1.383	ug/l		87
55) Dibromochloromethane	8.829	129	2887	0.302	ug/l		97
56) 1,2-Dibromoethane	8.941	107	2202	0.283	ug/l		97
58) Tetrachloroethene	8.568	164	3070	0.333	ug/l		89
59) Chlorobenzene	9.459	112	6973	0.295	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.546	131	3074	0.309	ug/l		99
61) Pentachloroethane	11.430	117	2372	0.287	ug/l		94
62) Hexachloroethane	12.478	117	2262	0.329	ug/l		94
63) Ethyl Benzene	9.584	91	9400	0.755	ug/l		95
64) m/p-Xylenes	9.703	106	6883	1.427	ug/l		91
65) o-Xylene	10.105	106	3104	0.678	ug/l		97
66) Styrene	10.124	104	4860	0.745	ug/l		97
67) Bromoform	10.301	173	1543	0.285	ug/l	#	93
69) Isopropylbenzene	10.491	105	8813	0.747	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.790	83	4005	0.335	ug/l	#	91
71) 1,2,3-Trichloropropane	10.832	75	2308m	0.257	ug/l		
72) Bromobenzene	10.790	156	2735	0.268	ug/l		94
73) n-propylbenzene	10.912	120	2917	0.802	ug/l		98
74) 2-Chlorotoluene	10.992	126	1921	0.546	ug/l		78
75) 1,3,5-Trimethylbenzene	11.092	105	6974	0.682	ug/l		98
76) 4-Chlorotoluene	11.102	126	2138	0.567	ug/l		85
77) tert-Butylbenzene	11.423	119	7410	0.673	ug/l		98
78) 1,2,4-Trimethylbenzene	11.472	105	6723	0.711	ug/l		98
79) sec-Butylbenzene	11.645	105	9277	0.712	ug/l		96
80) Nitrobenzene	13.221	77	1198	1.849	ug/l	#	77
81) p-Isopropyltoluene	11.796	119	6859	0.751	ug/l	#	93
82) 1,3-Dichlorobenzene	11.748	146	6191	0.294	ug/l		91
83) 1,4-Dichlorobenzene	11.844	146	5716	0.273	ug/l		98
84) n-Butylbenzene	12.211	91	7841	0.770	ug/l		94
85) 1,2-Dichlorobenzene	12.217	146	6074	0.294	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	483	0.256	ug/l		87
87) 1,2,4-Trichlorobenzene	13.848	180	3750	0.318	ug/l		94
88) Hexachlorobutadiene	14.024	225	2510	0.327	ug/l		96
89) Naphthalene	14.092	128	9589	1.232	ug/l		97
90) 1,2,3-Trichlorobenzene	14.336	180	3949	0.739	ug/l		97

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

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