Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081722\
Data File : VU050350.D
Acq On : 17 Aug 2022 09:54
Operator : SY/MD
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Quant Time: Aug 17 11:52:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Aug 17 11:51:32 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	36846	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	12131	0.899	ug/l	0.00
Spiked Amount 1.000			Recovery = 90.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	14306	1.151	ug/l	0.00
Spiked Amount 1.000			Recovery = 115.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	16035	1.136	ug/l	99
3) Chloromethane	1.520	50	18778	1.301	ug/l	99
4) Vinyl Chloride	1.604	62	16733	1.272	ug/l	98
5) Bromomethane	1.858	94	6904	1.006	ug/l	95
6) Chloroethane	1.935	64	10312	1.399	ug/l	97
7) Trichlorofluoromethane	2.141	101	19942	1.264	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	10651	1.285	ug/l	98
9) 1,1-Dichloroethene	2.581	96	11064	1.324	ug/l	95
10) Iodomethane	2.720	142	7846	0.740	ug/l	98
11) Allyl Chloride	2.922	41	17660	1.240	ug/l	96
12) Acrylonitrile	3.327	53	6883	3.082	ug/l	93
13) Acetone	2.646	43	12541	7.116	ug/l #	87
14) Carbon Disulfide	2.793	76	37462	1.362	ug/l	98
15) Methylene Chloride	3.044	84	15856	1.516	ug/l	90
16) trans-1,2-Dichloroethene	3.350	96	11646	1.327	ug/l	98
17) 1,1-Dichloroethane	3.864	63	23413	1.291	ug/l	99
18) 2-Butanone	4.736	43	16683	5.553	ug/l	98
19) Cyclohexane	5.382	56	12189m	0.703	ug/l	
20) Methylcyclohexane	6.761	83	12389	0.725	ug/l	95
21) 2,2-Dichloropropane	4.658	77	16186	1.090	ug/l	95
22) cis-1,2-Dichloroethene	4.668	96	11799	1.090	ug/l	95
23) Diethyl Ether	2.379	59	9380	1.318	ug/l	95
24) tert-Butyl Alcohol	3.244	59	13870m	17.082	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	29698	1.271	ug/l	96
26) Bromochloromethane	4.977	128	5829	1.280	ug/l	97
27) Chloroform	5.092	83	22070	1.236	ug/l	98
28) 1,1,1-Trichloroethane	5.311	97	18202	1.156	ug/l	98
29) 1,1-Dichloropropene	5.523	75	12688	0.902	ug/l	98
30) Carbon Tetrachloride	5.520	117	14664	1.106	ug/l	94
31) Isopropyl Ether	3.999	45	35846	1.152	ug/l	94
32) Ethyl-t-butyl ether	4.514	59	21454	0.729	ug/l	99
33) Tert-Amyl methyl ether	5.951	73	16012	0.625	ug/l	97
34) Propionitrile	4.809	54	5746	6.670	ug/l #	85
35) Benzene	5.774	78	43417	1.084	ug/l	94
36) 1,2-Dichloroethane	5.800	62	13817	1.213	ug/l	99
37) Trichloroethene	6.543	130	10890	1.075	ug/l	94
38) 1,2-Dichloropropane	6.793	63	11652	1.099	ug/l	100
39) Methacrylonitrile	4.990	41	3499	0.948	ug/l #	94
40) Methyl acrylate	4.861	55	4929	0.853	ug/l #	95
41) Tetrahydrofuran	5.080	42	3942	1.807	ug/l	94
42) 1-Chlorobutane	5.456	56	18305	0.928	ug/l	97
43) Dibromomethane	6.922	93	6848	1.296	ug/l	96
44) Bromodichloromethane	7.108	83	15553	1.228	ug/l	93

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Aug 17 11:51:32 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	30724	4.283	ug/l		99
46) t-1,4-Dichloro-2-butene	10.835	75	3870m	1.658	ug/l		
47) Methyl methacrylate	6.970	69	9169	1.721	ug/l		96
48) Ethyl methacrylate	8.340	69	7533	0.705	ug/l		97
49) Toluene	7.970	92	21991	0.899	ug/l		96
50) t-1,3-Dichloropropene	8.214	75	11741	0.960	ug/l		97
51) cis-1,3-Dichloropropene	7.610	75	14055	0.969	ug/l	#	90
52) 1,1,2-Trichloroethane	8.401	97	9913	1.359	ug/l		94
53) 1,3-Dichloropropane	8.578	76	15092	1.153	ug/l		100
54) 2-Hexanone	8.697	43	21489	4.314	ug/l		90
55) Dibromochloromethane	8.809	129	10726	1.287	ug/l		100
56) 1,2-Dibromoethane	8.928	107	8204	1.162	ug/l		95
58) Tetrachloroethene	8.552	164	10704	1.271	ug/l		94
59) Chlorobenzene	9.446	112	25780	1.007	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.536	131	11150	1.225	ug/l		97
61) Pentachloroethane	11.430	117	9283	1.328	ug/l		93
62) Hexachloroethane	12.475	117	6789	0.970	ug/l		94
63) Ethyl Benzene	9.571	91	35038	0.761	ug/l		100
64) m/p-Xylenes	9.694	106	25726	1.510	ug/l		94
65) o-Xylene	10.102	106	13465	0.804	ug/l		99
66) Styrene	10.115	104	20250	0.753	ug/l		97
67) Bromoform	10.288	173	6010	1.264	ug/l		97
69) Isopropylbenzene	10.485	105	34415	0.769	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.784	83	13658	1.441	ug/l		95
71) 1,2,3-Trichloropropane	10.825	75	8662m	1.104	ug/l		
72) Bromobenzene	10.784	156	9953	0.987	ug/l		97
73) n-propylbenzene	10.909	120	9239	0.818	ug/l		89
74) 2-Chlorotoluene	10.986	126	8654	0.860	ug/l		95
75) 1,3,5-Trimethylbenzene	11.089	105	28439	0.760	ug/l		96
76) 4-Chlorotoluene	11.099	126	8867	0.878	ug/l		82
77) tert-Butylbenzene	11.420	119	31055	0.843	ug/l		93
78) 1,2,4-Trimethylbenzene	11.468	105	29189	0.777	ug/l		96
79) sec-Butylbenzene	11.645	105	39086	0.809	ug/l		99
80) Nitrobenzene	13.218	77	3823	9.862	ug/l	#	96
81) p-Isopropyltoluene	11.793	119	30881	0.788	ug/l		98
82) 1,3-Dichlorobenzene	11.748	146	21717	1.114	ug/l		96
83) 1,4-Dichlorobenzene	11.838	146	21829	1.109	ug/l		95
84) n-Butylbenzene	12.208	91	29620	0.812	ug/l		94
85) 1,2-Dichlorobenzene	12.211	146	21373	1.131	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	2034	1.231	ug/l		89
87) 1,2,4-Trichlorobenzene	13.845	180	11677	0.916	ug/l		100
88) Hexachlorobutadiene	14.021	225	8164	1.257	ug/l		97
89) Naphthalene	14.089	128	21723	0.813	ug/l		97
90) 1,2,3-Trichlorobenzene	14.330	180	11288	0.928	ug/l		97

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

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