Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
Data File : VU053775.D
Acq On : 19 Apr 2023 10:52
Operator : JC/MD
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Quant Time: Apr 20 08:07:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Apr 20 08:05:37 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.108	96	29696	1.000 ug/l	# 0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.629	95	12879	1.190 ug/l	0.00
Spiked Amount 1.000			Recovery = 119.000%		
68) 1,2-Dichlorobenzene-d4	12.192	152	13813	1.224 ug/l	0.00
Spiked Amount 1.000			Recovery = 122.000%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.382	85	8510	0.821 ug/l	94
3) Chloromethane	1.523	50	7106	0.683 ug/l	94
4) Vinyl Chloride	1.604	62	9038	0.814 ug/l	98
5) Bromomethane	1.848	94	7031	0.751 ug/l	98
6) Chloroethane	1.932	64	5354	0.746 ug/l	90
7) Trichlorofluoromethane	2.134	101	14417	0.847 ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	9796	1.099 ug/l	92
9) 1,1-Dichloroethene	2.578	96	7765	0.979 ug/l	90
10) Iodomethane	2.720	142	5809	0.716 ug/l	97
11) Allyl Chloride	2.919	41	9273	1.043 ug/l	94
12) Acrylonitrile	3.311	53	3739	2.327 ug/l	99
13) Acetone	2.620	43	13161	4.283 ug/l	95
14) Carbon Disulfide	2.790	76	12730	0.575 ug/l	97
15) Methylene Chloride	3.041	84	15552	0.833 ug/l	85
16) trans-1,2-Dichloroethene	3.350	96	8339	1.016 ug/l	86
17) 1,1-Dichloroethane	3.861	63	17572	1.152 ug/l	98
18) 2-Butanone	4.713	43	16206	5.077 ug/l	93
19) Cyclohexane	5.375	56	10939	0.913 ug/l #	89
20) Methylcyclohexane	6.755	83	10806	0.746 ug/l	92
21) 2,2-Dichloropropane	4.658	77	16501	1.250 ug/l	99
22) cis-1,2-Dichloroethene	4.655	96	11233	1.239 ug/l	92
23) Diethyl Ether	2.376	59	5508	0.885 ug/l	86
24) tert-Butyl Alcohol	3.183	59	29190	47.017 ug/l #	1
25) Methyl tert-Butyl Ether	3.363	73	21280	1.170 ug/l	96
26) Bromochloromethane	4.967	128	4422	1.180 ug/l	92
27) Chloroform	5.083	83	18954	1.186 ug/l	92
28) 1,1,1-Trichloroethane	5.308	97	15549	1.136 ug/l	98
29) 1,1-Dichloropropene	5.517	75	9551	0.855 ug/l	96
30) Carbon Tetrachloride	5.514	117	10931	1.032 ug/l	95
31) Isopropyl Ether	3.996	45	24492	1.158 ug/l	93
32) Ethyl-t-butyl ether	4.507	59	25047	1.153 ug/l	93
33) Tert-Amyl methyl ether	5.944	73	18296	0.982 ug/l	98
34) Propionitrile	4.774	54	3799	7.088 ug/l #	7
35) Benzene	5.764	78	30631	0.926 ug/l	98
36) 1,2-Dichloroethane	5.790	62	9613	0.995 ug/l	99
37) Trichloroethene	6.536	130	8681	1.024 ug/l	92
38) 1,2-Dichloropropane	6.790	63	9028	1.046 ug/l	100
39) Methacrylonitrile	4.977	41	3119	1.403 ug/l #	64
40) Methyl acrylate	4.845	55	5343	1.317 ug/l #	98
41) Tetrahydrofuran	5.060	42	3203	2.821 ug/l #	85
42) 1-Chlorobutane	5.449	56	13518	0.904 ug/l	99
43) Dibromomethane	6.916	93	4166	1.007 ug/l	93
44) Bromodichloromethane	7.102	83	10305	0.994 ug/l	96

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Apr 20 08:05:37 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	21097	4.879	ug/l		96
46) t-1,4-Dichloro-2-butene	10.819	75	10080	4.312	ug/l	#	41
47) Methyl methacrylate	6.967	69	6914	1.814	ug/l		96
48) Ethyl methacrylate	8.337	69	6476	0.879	ug/l		96
49) Toluene	7.967	92	18767	0.920	ug/l		96
50) t-1,3-Dichloropropene	8.208	75	9831	1.028	ug/l		97
51) cis-1,3-Dichloropropene	7.607	75	10927	0.929	ug/l		94
52) 1,1,2-Trichloroethane	8.398	97	6627	1.081	ug/l		95
53) 1,3-Dichloropropane	8.571	76	10570	1.018	ug/l		99
54) 2-Hexanone	8.687	43	17669	3.879	ug/l		99
55) Dibromochloromethane	8.806	129	6931	1.103	ug/l		98
56) 1,2-Dibromoethane	8.919	107	5791	1.033	ug/l		90
58) Tetrachloroethene	8.549	164	8235	1.035	ug/l		95
59) Chlorobenzene	9.443	112	22638	0.986	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.530	131	8231	1.143	ug/l		97
61) Pentachloroethane	11.423	117	6328	1.212	ug/l		99
62) Hexachloroethane	12.472	117	5712	1.001	ug/l		99
63) Ethyl Benzene	9.568	91	35084	0.884	ug/l		97
64) m/p-Xylenes	9.690	106	26050	1.707	ug/l		97
65) o-Xylene	10.099	106	13471	0.897	ug/l		99
66) Styrene	10.112	104	19607	0.844	ug/l		96
67) Bromoform	10.288	173	3434	1.135	ug/l	#	94
69) Isopropylbenzene	10.481	105	34685	0.882	ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.780	83	8345	1.117	ug/l		97
71) 1,2,3-Trichloropropane	10.819	75	10080	1.775	ug/l	#	48
72) Bromobenzene	10.780	156	8696	1.017	ug/l		92
73) n-propylbenzene	10.902	120	10230	0.971	ug/l		82
74) 2-Chlorotoluene	10.983	126	9067	0.986	ug/l		95
75) 1,3,5-Trimethylbenzene	11.086	105	28705	0.861	ug/l		95
76) 4-Chlorotoluene	11.095	126	9010	0.935	ug/l		93
77) tert-Butylbenzene	11.417	119	29294	0.931	ug/l		98
78) 1,2,4-Trimethylbenzene	11.465	105	29224	0.855	ug/l		92
79) sec-Butylbenzene	11.639	105	40284	0.901	ug/l		98
80) Nitrobenzene	13.211	77	1124	5.630	ug/l	#	78
81) p-Isopropyltoluene	11.790	119	32769	0.923	ug/l		98
82) 1,3-Dichlorobenzene	11.742	146	20022	1.095	ug/l		99
83) 1,4-Dichlorobenzene	11.835	146	20144	1.084	ug/l		96
84) n-Butylbenzene	12.205	91	29434	0.851	ug/l		98
85) 1,2-Dichlorobenzene	12.211	146	19288	1.098	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	1140	0.999	ug/l		87
87) 1,2,4-Trichlorobenzene	13.838	180	11539	1.104	ug/l		98
88) Hexachlorobutadiene	14.018	225	7096	1.367	ug/l		96
89) Naphthalene	14.086	128	19155	0.923	ug/l		98
90) 1,2,3-Trichlorobenzene	14.327	180	10581	1.140	ug/l		97

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

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