Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
Data File : VU053774.D
Acq On : 19 Apr 2023 10:19
Operator : JC/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Quant Time: Apr 20 08:06:32 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	31339	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	15603	1.366	ug/l	0.00
Spiked Amount 1.000			Recovery = 137.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	12738	1.069	ug/l	0.00
Spiked Amount 1.000			Recovery = 107.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	3593	0.329	ug/l	89
3) Chloromethane	1.523	50	3543	0.323	ug/l	98
4) Vinyl Chloride	1.604	62	4103	0.350	ug/l	96
5) Bromomethane	1.858	94	3640	0.368	ug/l	88
6) Chloroethane	1.935	64	2885	0.381	ug/l	96
7) Trichlorofluoromethane	2.141	101	6601	0.368	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	4511	0.479	ug/l	98
9) 1,1-Dichloroethene	2.581	96	3938	0.470	ug/l	79
10) Iodomethane	2.719	142	2081	0.243	ug/l	100
11) Allyl Chloride	2.922	41	4894	0.522	ug/l	88
12) Acrylonitrile	3.314	53	1940	1.144	ug/l	97
13) Acetone	2.620	43	6367	1.963	ug/l #	87
14) Carbon Disulfide	2.793	76	5431	0.232	ug/l #	89
15) Methylene Chloride	3.041	84	9513	0.483	ug/l	91
16) trans-1,2-Dichloroethene	3.350	96	3982	0.460	ug/l	88
17) 1,1-Dichloroethane	3.867	63	8223	0.511	ug/l	94
18) 2-Butanone	4.716	43	7931	2.354	ug/l	96
19) Cyclohexane	5.375	56	4826	0.382	ug/l	85
20) Methylcyclohexane	6.751	83	4690	0.307	ug/l	93
21) 2,2-Dichloropropane	4.658	77	8503	0.610	ug/l #	90
22) cis-1,2-Dichloroethene	4.668	96	5170	0.540	ug/l	99
23) Diethyl Ether	2.375	59	2544	0.387	ug/l	85
24) tert-Butyl Alcohol	3.182	59	14238	21.731	ug/l #	1
25) Methyl tert-Butyl Ether	3.366	73	10015	0.522	ug/l	96
26) Bromochloromethane	4.967	128	2093	0.529	ug/l	89
27) Chloroform	5.083	83	8767	0.520	ug/l	99
28) 1,1,1-Trichloroethane	5.311	97	7012	0.486	ug/l	98
29) 1,1-Dichloropropene	5.517	75	4517	0.383	ug/l	97
30) Carbon Tetrachloride	5.513	117	5080	0.455	ug/l	94
31) Isopropyl Ether	3.993	45	10426	0.467	ug/l	99
32) Ethyl-t-butyl ether	4.510	59	11438	0.499	ug/l	100
33) Tert-Amyl methyl ether	5.947	73	7773	0.395	ug/l #	97
34) Propionitrile	4.777	54	1733	3.064	ug/l #	11
35) Benzene	5.767	78	13808	0.396	ug/l	96
36) 1,2-Dichloroethane	5.790	62	4182	0.410	ug/l #	94
37) Trichloroethene	6.539	130	3945	0.441	ug/l	88
38) 1,2-Dichloropropane	6.790	63	3566	0.392	ug/l #	85
39) Methacrylonitrile	4.980	41	1240	0.529	ug/l #	56
40) Methyl acrylate	4.845	55	1386	0.324	ug/l #	68
41) Tetrahydrofuran	5.066	42	1425	1.189	ug/l	95
42) 1-Chlorobutane	5.446	56	6453	0.409	ug/l	94
43) Dibromomethane	6.918	93	1821	0.417	ug/l	94
44) Bromodichloromethane	7.105	83	4866	0.445	ug/l	85

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
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	7.800	43	9008	1.974	ug/l		99
46) t-1,4-Dichloro-2-butene	10.822	75	4273	1.732	ug/l	#	39
47) Methyl methacrylate	6.967	69	3085	0.767	ug/l		93
48) Ethyl methacrylate	8.336	69	3050	0.392	ug/l		84
49) Toluene	7.967	92	8327	0.387	ug/l		94
50) t-1,3-Dichloropropene	8.211	75	4129	0.409	ug/l		94
51) cis-1,3-Dichloropropene	7.610	75	5067	0.408	ug/l		96
52) 1,1,2-Trichloroethane	8.401	97	2964	0.458	ug/l		91
53) 1,3-Dichloropropane	8.574	76	4304	0.393	ug/l		96
54) 2-Hexanone	8.690	43	8102	1.685	ug/l		98
55) Dibromochloromethane	8.809	129	3253	0.491	ug/l		87
56) 1,2-Dibromoethane	8.928	107	2506	0.423	ug/l		82
58) Tetrachloroethene	8.549	164	3932	0.469	ug/l		92
59) Chlorobenzene	9.446	112	10320	0.426	ug/l		89
60) 1,1,1,2-Tetrachloroethane	9.533	131	3647	0.480	ug/l		97
61) Pentachloroethane	11.423	117	2527	0.459	ug/l		99
62) Hexachloroethane	12.475	117	2353	0.391	ug/l		94
63) Ethyl Benzene	9.568	91	15488	0.370	ug/l		100
64) m/p-Xylenes	9.690	106	11580	0.719	ug/l		96
65) o-Xylene	10.098	106	5934	0.374	ug/l		98
66) Styrene	10.115	104	9362	0.382	ug/l		95
67) Bromoform	10.291	173	1387	0.434	ug/l	#	96
69) Isopropylbenzene	10.481	105	15459	0.373	ug/l		93
70) 1,1,2,2-Tetrachloroethane	10.780	83	3649	0.463	ug/l		93
71) 1,2,3-Trichloropropane	10.822	75	4273	0.713	ug/l		54
72) Bromobenzene	10.780	156	3903	0.432	ug/l		94
73) n-propylbenzene	10.905	120	4147	0.373	ug/l		87
74) 2-Chlorotoluene	10.986	126	3875	0.399	ug/l		99
75) 1,3,5-Trimethylbenzene	11.086	105	12273	0.349	ug/l		98
76) 4-Chlorotoluene	11.095	126	3887	0.382	ug/l		97
77) tert-Butylbenzene	11.417	119	12929	0.389	ug/l		96
78) 1,2,4-Trimethylbenzene	11.465	105	11932	0.331	ug/l		96
79) sec-Butylbenzene	11.639	105	17169	0.364	ug/l		99
80) Nitrobenzene	13.211	77	586	2.782	ug/l	#	44
81) p-Isopropyltoluene	11.790	119	13393	0.357	ug/l		95
82) 1,3-Dichlorobenzene	11.745	146	9098	0.472	ug/l		98
83) 1,4-Dichlorobenzene	11.835	146	8753	0.446	ug/l		92
84) n-Butylbenzene	12.204	91	12135	0.333	ug/l		96
85) 1,2-Dichlorobenzene	12.211	146	8506	0.459	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	417	0.346	ug/l	#	85
87) 1,2,4-Trichlorobenzene	13.841	180	5085	0.461	ug/l		99
88) Hexachlorobutadiene	14.018	225	3035	0.554	ug/l		92
89) Naphthalene	14.089	128	8353	0.382	ug/l		96
90) 1,2,3-Trichlorobenzene	14.330	180	4343	0.443	ug/l		93

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

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