Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
Data File : VU051103.D
Acq On : 04 Oct 2022 12:00
Operator : JC/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 05 02:00:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Oct 05 01:58:18 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/05/2022
Supervised By :Mahesh Dadoda 10/05/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	59719	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	18268	0.833	ug/l	0.00
Spiked Amount 1.000			Recovery = 83.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	21016	1.017	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	33956	1.532	ug/l	99
3) Chloromethane	1.523	50	50975	2.148	ug/l	98
4) Vinyl Chloride	1.604	62	46663	2.140	ug/l	99
5) Bromomethane	1.861	94	29608	2.532	ug/l	97
6) Chloroethane	1.935	64	29236	2.353	ug/l	95
7) Trichlorofluoromethane	2.141	101	48960	1.898	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	28782	2.088	ug/l	95
9) 1,1-Dichloroethene	2.581	96	32365	2.314	ug/l	98
10) Iodomethane	2.723	142	48614	2.621	ug/l	92
11) Allyl Chloride	2.925	41	53088	2.260	ug/l	93
12) Acrylonitrile	3.334	53	19463	5.080	ug/l	94
13) Acetone	2.652	43	28115	9.709	ug/l #	84
14) Carbon Disulfide	2.794	76	120383	2.556	ug/l	100
15) Methylene Chloride	3.044	84	49402	2.750	ug/l	95
16) trans-1,2-Dichloroethene	3.353	96	38077	2.570	ug/l	95
17) 1,1-Dichloroethane	3.871	63	66141	2.216	ug/l	98
18) 2-Butanone	4.736	43	40289	8.327	ug/l	97
19) Cyclohexane	5.385	56	36185m	1.311	ug/l	
20) Methylcyclohexane	6.761	83	34810	1.275	ug/l	94
21) 2,2-Dichloropropane	4.662	77	44804	1.891	ug/l	99
22) cis-1,2-Dichloroethene	4.668	96	35757	2.022	ug/l	98
23) Diethyl Ether	2.379	59	30696	2.552	ug/l	98
24) tert-Butyl Alcohol	3.289	59	11311m	9.277	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	90074	2.324	ug/l	94
26) Bromochloromethane	4.977	128	17922	2.363	ug/l	92
27) Chloroform	5.089	83	68321	2.308	ug/l	100
28) 1,1,1-Trichloroethane	5.314	97	51388	2.010	ug/l	96
29) 1,1-Dichloropropene	5.527	75	38110	1.670	ug/l	98
30) Carbon Tetrachloride	5.523	117	43214	2.013	ug/l	100
31) Isopropyl Ether	3.999	45	85440	1.731	ug/l	85
32) Ethyl-t-butyl ether	4.510	59	72325	1.559	ug/l	95
33) Tert-Amyl methyl ether	5.945	73	60054	1.472	ug/l	96
34) Propionitrile	4.816	54	11696	8.387	ug/l #	76
35) Benzene	5.774	78	140984	2.137	ug/l	98
36) 1,2-Dichloroethane	5.797	62	44490	2.338	ug/l	99
37) Trichloroethene	6.543	130	33018	1.996	ug/l	97
38) 1,2-Dichloropropane	6.793	63	37528	2.130	ug/l	100
39) Methacrylonitrile	4.983	41	9951	1.686	ug/l #	95
40) Methyl acrylate	4.858	55	17257	1.864	ug/l #	93
41) Tetrahydrofuran	5.080	42	8745	2.505	ug/l #	88
42) 1-Chlorobutane	5.459	56	55182	1.728	ug/l	96
43) Dibromomethane	6.922	93	20711	2.343	ug/l	97
44) Bromodichloromethane	7.105	83	48148	2.293	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	94551	8.140	ug/l		98
46) t-1,4-Dichloro-2-butene	10.832	75	15580m	4.144	ug/l		
47) Methyl methacrylate	6.967	69	29662	3.401	ug/l		97
48) Ethyl methacrylate	8.337	69	25172	1.475	ug/l		100
49) Toluene	7.970	92	71839	1.794	ug/l		96
50) t-1,3-Dichloropropene	8.211	75	37525	1.891	ug/l		97
51) cis-1,3-Dichloropropene	7.610	75	43070	1.843	ug/l		100
52) 1,1,2-Trichloroethane	8.401	97	29290	2.390	ug/l		95
53) 1,3-Dichloropropane	8.575	76	46902	2.155	ug/l		99
54) 2-Hexanone	8.690	43	65987	8.146	ug/l		95
55) Dibromochloromethane	8.809	129	30940	2.240	ug/l		98
56) 1,2-Dibromoethane	8.925	107	27226	2.306	ug/l		97
58) Tetrachloroethene	8.552	164	33159	2.319	ug/l		96
59) Chlorobenzene	9.446	112	79339	1.893	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.533	131	32569	2.178	ug/l		96
61) Pentachloroethane	11.423	117	23142	2.060	ug/l	#	81
62) Hexachloroethane	12.472	117	25694	2.212	ug/l		96
63) Ethyl Benzene	9.568	91	112062	1.502	ug/l		100
64) m/p-Xylenes	9.694	106	89607	3.192	ug/l		93
65) o-Xylene	10.099	106	45215	1.650	ug/l		95
66) Styrene	10.115	104	70315	1.582	ug/l		97
67) Bromoform	10.292	173	18304	2.308	ug/l		97
69) Isopropylbenzene	10.481	105	106778	1.476	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.784	83	36546	2.285	ug/l		100
71) 1,2,3-Trichloropropane	10.825	75	30409m	2.285	ug/l		
72) Bromobenzene	10.784	156	32955	1.983	ug/l		99
73) n-propylbenzene	10.903	120	28341	1.529	ug/l		97
74) 2-Chlorotoluene	10.986	126	30446	1.830	ug/l		92
75) 1,3,5-Trimethylbenzene	11.086	105	95562	1.556	ug/l		99
76) 4-Chlorotoluene	11.095	126	28468	1.686	ug/l		94
77) tert-Butylbenzene	11.417	119	90909	1.525	ug/l		99
78) 1,2,4-Trimethylbenzene	11.465	105	96222	1.547	ug/l		99
79) sec-Butylbenzene	11.642	105	122561	1.549	ug/l		100
80) Nitrobenzene	13.214	77	7720	11.458	ug/l		97
81) p-Isopropyltoluene	11.793	119	90768	1.417	ug/l		98
82) 1,3-Dichlorobenzene	11.745	146	68457	2.108	ug/l		99
83) 1,4-Dichlorobenzene	11.835	146	66712	2.023	ug/l		97
84) n-Butylbenzene	12.208	91	80868	1.370	ug/l		95
85) 1,2-Dichlorobenzene	12.211	146	66173	2.085	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	5725	2.088	ug/l		88
87) 1,2,4-Trichlorobenzene	13.841	180	30043	1.492	ug/l		97
88) Hexachlorobutadiene	14.018	225	22409	2.087	ug/l		98
89) Naphthalene	14.086	128	53723	1.284	ug/l		98
90) 1,2,3-Trichlorobenzene	14.330	180	30568	1.556	ug/l		97

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

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