Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
Data File : VU051101.D
Acq On : 04 Oct 2022 11:03
Operator : JC/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

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

Quant Time: Oct 05 01:59:23 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	40258	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	11055	0.748	ug/l	0.00
Spiked Amount 1.000			Recovery = 75.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	13930	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	7859	0.526	ug/l	87
3) Chloromethane	1.523	50	10426	0.652	ug/l	97
4) Vinyl Chloride	1.604	62	9164	0.623	ug/l	96
5) Bromomethane	1.861	94	7301	0.926	ug/l	86
6) Chloroethane	1.935	64	6264	0.748	ug/l	97
7) Trichlorofluoromethane	2.141	101	10869	0.625	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	6190	0.666	ug/l	97
9) 1,1-Dichloroethene	2.581	96	6484	0.688	ug/l	90
10) Iodomethane	2.726	142	6690	0.535	ug/l	93
11) Allyl Chloride	2.922	41	9214	0.582	ug/l	96
12) Acrylonitrile	3.321	53	4890	1.893	ug/l	88
13) Acetone	2.642	43	10409	5.332	ug/l	98
14) Carbon Disulfide	2.797	76	28039	0.883	ug/l	99
15) Methylene Chloride	3.044	84	17159	1.417	ug/l	93
16) trans-1,2-Dichloroethene	3.350	96	7084	0.709	ug/l	87
17) 1,1-Dichloroethane	3.871	63	11685	0.581	ug/l	96
18) 2-Butanone	4.726	43	11203	3.435	ug/l	95
19) Cyclohexane	5.391	56	7219m	0.388	ug/l	
20) Methylcyclohexane	6.761	83	7545	0.410	ug/l	97
21) 2,2-Dichloropropane	4.665	77	7674	0.480	ug/l	95
22) cis-1,2-Dichloroethene	4.671	96	6167	0.517	ug/l	98
23) Diethyl Ether	2.379	59	5532	0.682	ug/l	94
24) tert-Butyl Alcohol	3.227	59	7681m	9.345	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	16977	0.650	ug/l	95
26) Bromochloromethane	4.983	128	3161	0.618	ug/l	93
27) Chloroform	5.092	83	12143	0.609	ug/l	94
28) 1,1,1-Trichloroethane	5.317	97	9912	0.575	ug/l	96
29) 1,1-Dichloropropene	5.526	75	6784	0.441	ug/l	93
30) Carbon Tetrachloride	5.523	117	8430	0.583	ug/l	98
31) Isopropyl Ether	4.002	45	13786	0.414	ug/l	81
32) Ethyl-t-butyl ether	4.510	59	12758	0.408	ug/l	95
33) Tert-Amyl methyl ether	5.941	73	11690	0.425	ug/l #	81
34) Propionitrile	4.806	54	3320m	3.532	ug/l	
35) Benzene	5.774	78	23255	0.523	ug/l	93
36) 1,2-Dichloroethane	5.800	62	8636	0.673	ug/l	97
37) Trichloroethene	6.542	130	6185	0.555	ug/l	89
38) 1,2-Dichloropropane	6.793	63	6743	0.568	ug/l	99
39) Methacrylonitrile	4.986	41	1701	0.428	ug/l #	94
40) Methyl acrylate	4.864	55	3389m	0.543	ug/l	
41) Tetrahydrofuran	5.083	42	2288	0.972	ug/l #	83
42) 1-Chlorobutane	5.465	56	9330	0.434	ug/l	96
43) Dibromomethane	6.919	93	4057	0.681	ug/l	94
44) Bromodichloromethane	7.105	83	8861	0.626	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	21895	2.796	ug/l		96
46) t-1,4-Dichloro-2-butene	10.838	75	2502m	0.987	ug/l		
47) Methyl methacrylate	6.967	69	5579	0.949	ug/l		96
48) Ethyl methacrylate	8.343	69	4421	0.384	ug/l		94
49) Toluene	7.970	92	11155	0.413	ug/l		92
50) t-1,3-Dichloropropene	8.214	75	6485	0.485	ug/l		93
51) cis-1,3-Dichloropropene	7.613	75	7056	0.448	ug/l		95
52) 1,1,2-Trichloroethane	8.401	97	5902	0.714	ug/l		96
53) 1,3-Dichloropropane	8.578	76	8482	0.578	ug/l		96
54) 2-Hexanone	8.694	43	17048	3.122	ug/l		93
55) Dibromochloromethane	8.812	129	6732	0.723	ug/l		91
56) 1,2-Dibromoethane	8.925	107	4966	0.624	ug/l		94
58) Tetrachloroethene	8.555	164	6306	0.654	ug/l		95
59) Chlorobenzene	9.449	112	14413	0.510	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.536	131	6368	0.632	ug/l		88
61) Pentachloroethane	11.430	117	4260	0.563	ug/l		86
62) Hexachloroethane	12.475	117	4450	0.568	ug/l		94
63) Ethyl Benzene	9.571	91	18423	0.366	ug/l		95
64) m/p-Xylenes	9.697	106	13008	0.687	ug/l		96
65) o-Xylene	10.102	106	6693	0.362	ug/l		95
66) Styrene	10.118	104	10386	0.347	ug/l		96
67) Bromoform	10.291	173	3762	0.704	ug/l		98
69) Isopropylbenzene	10.484	105	16811	0.345	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.783	83	8131	0.754	ug/l	#	99
71) 1,2,3-Trichloropropane	10.822	75	6180m	0.689	ug/l		
72) Bromobenzene	10.783	156	5085	0.454	ug/l		96
73) n-propylbenzene	10.906	120	4043	0.323	ug/l		96
74) 2-Chlorotoluene	10.986	126	4473	0.399	ug/l		84
75) 1,3,5-Trimethylbenzene	11.089	105	13115	0.317	ug/l		98
76) 4-Chlorotoluene	11.099	126	3890	0.342	ug/l		94
77) tert-Butylbenzene	11.420	119	14318	0.356	ug/l		97
78) 1,2,4-Trimethylbenzene	11.468	105	13508	0.322	ug/l		95
79) sec-Butylbenzene	11.642	105	17659	0.331	ug/l		99
80) Nitrobenzene	13.214	77	3601m	7.928	ug/l		
81) p-Isopropyltoluene	11.793	119	13023	0.301	ug/l		96
82) 1,3-Dichlorobenzene	11.748	146	11514	0.526	ug/l		99
83) 1,4-Dichlorobenzene	11.838	146	11603m	0.522	ug/l		
84) n-Butylbenzene	12.211	91	14320	0.360	ug/l		91
85) 1,2-Dichlorobenzene	12.214	146	12262	0.573	ug/l		95
86) 1,2-Dibromo-3-Chloropr...	12.999	75	1670	0.904	ug/l	#	73
87) 1,2,4-Trichlorobenzene	13.841	180	8937	0.658	ug/l		98
88) Hexachlorobutadiene	14.018	225	4596	0.635	ug/l		94
89) Naphthalene	14.089	128	27100	0.961	ug/l		98
90) 1,2,3-Trichlorobenzene	14.333	180	10127	0.765	ug/l		97

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

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