Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081022\
Data File : VU050208.D
Acq On : 10 Aug 2022 09:23
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 10 10:46:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081022DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Aug 10 09:58:18 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :John Carlone 08/11/2022
Supervised By :Mahesh Dadoda 08/11/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	26903	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	9326	0.946	ug/l	0.00
Spiked Amount 1.000			Recovery = 95.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	9088	1.002	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	5579	0.541	ug/l	98
3) Chloromethane	1.517	50	7603	0.721	ug/l	96
4) Vinyl Chloride	1.600	62	5894	0.613	ug/l	96
5) Bromomethane	1.854	94	1914	0.382	ug/l	90
6) Chloroethane	1.932	64	3629	0.674	ug/l	99
7) Trichlorofluoromethane	2.134	101	6733	0.585	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	3439	0.568	ug/l	97
9) 1,1-Dichloroethene	2.578	96	4041	0.662	ug/l	93
10) Iodomethane	2.723	142	2621	0.339	ug/l	94
11) Allyl Chloride	2.925	41	5302	0.510	ug/l	96
12) Acrylonitrile	3.337	53	1894	1.161	ug/l #	82
13) Acetone	2.655	43	4053	3.150	ug/l	100
14) Carbon Disulfide	2.790	76	16588	0.826	ug/l	99
15) Methylene Chloride	3.044	84	7569	0.991	ug/l	92
16) trans-1,2-Dichloroethene	3.353	96	4223	0.659	ug/l	88
17) 1,1-Dichloroethane	3.867	63	8311	0.627	ug/l	99
18) 2-Butanone	4.735	43	6285	2.865	ug/l	95
19) Cyclohexane	5.388	56	4753m	0.375	ug/l	
20) Methylcyclohexane	6.764	83	4713	0.378	ug/l	96
21) 2,2-Dichloropropane	4.665	77	7049	0.650	ug/l #	88
22) cis-1,2-Dichloroethene	4.668	96	5041	0.638	ug/l	99
23) Diethyl Ether	2.375	59	3767	0.725	ug/l	98
24) tert-Butyl Alcohol	3.192	59	4009	6.762	ug/l #	1
25) Methyl tert-Butyl Ether	3.366	73	9927	0.582	ug/l	95
26) Bromochloromethane	4.977	128	2292	0.689	ug/l	91
27) Chloroform	5.092	83	8855	0.679	ug/l	96
28) 1,1,1-Trichloroethane	5.317	97	6745	0.587	ug/l	96
29) 1,1-Dichloropropene	5.526	75	5135	0.500	ug/l	98
30) Carbon Tetrachloride	5.526	117	5337	0.551	ug/l	94
31) Isopropyl Ether	3.993	45	10168	0.448	ug/l	86
32) Ethyl-t-butyl ether	4.504	59	10088	0.469	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	8422	0.450	ug/l	98
34) Propionitrile	4.819	54	2068m	3.288	ug/l	
35) Benzene	5.777	78	17701	0.605	ug/l	93
36) 1,2-Dichloroethane	5.796	62	5410	0.650	ug/l	98
37) Trichloroethene	6.546	130	4455	0.603	ug/l	97
38) 1,2-Dichloropropane	6.793	63	5104	0.659	ug/l	97
39) Methacrylonitrile	4.983	41	1259m	0.467	ug/l	
40) Methyl acrylate	4.867	55	2397	0.568	ug/l #	75
41) Tetrahydrofuran	5.073	42	1580m	0.992	ug/l	
42) 1-Chlorobutane	5.459	56	7034	0.489	ug/l	96
43) Dibromomethane	6.922	93	2600	0.674	ug/l	98
44) Bromodichloromethane	7.108	83	6008	0.650	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	13492	2.576	ug/l		99
46) t-1,4-Dichloro-2-butene	10.832	75	2133m	1.252	ug/l		
47) Methyl methacrylate	6.970	69	3839	0.987	ug/l		91
48) Ethyl methacrylate	8.337	69	3711	0.475	ug/l		87
49) Toluene	7.970	92	9209	0.516	ug/l		98
50) t-1,3-Dichloropropene	8.214	75	5055	0.566	ug/l		97
51) cis-1,3-Dichloropropene	7.610	75	6063	0.573	ug/l		92
52) 1,1,2-Trichloroethane	8.404	97	3679	0.691	ug/l		94
53) 1,3-Dichloropropane	8.578	76	6076	0.636	ug/l		95
54) 2-Hexanone	8.693	43	9842	2.706	ug/l		97
55) Dibromochloromethane	8.812	129	4305	0.708	ug/l		97
56) 1,2-Dibromoethane	8.925	107	3291	0.638	ug/l		100
58) Tetrachloroethene	8.555	164	3625	0.590	ug/l		95
59) Chlorobenzene	9.449	112	10722	0.574	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.536	131	4273	0.643	ug/l		98
61) Pentachloroethane	11.426	117	3467	0.679	ug/l		88
62) Hexachloroethane	12.475	117	2511	0.491	ug/l		92
63) Ethyl Benzene	9.571	91	14958	0.445	ug/l		98
64) m/p-Xylenes	9.693	106	10802	0.868	ug/l		97
65) o-Xylene	10.102	106	5393	0.441	ug/l		98
66) Styrene	10.115	104	7945	0.404	ug/l		99
67) Bromoform	10.295	173	2411	0.695	ug/l	#	88
69) Isopropylbenzene	10.488	105	13345	0.409	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.783	83	4911	0.710	ug/l		95
71) 1,2,3-Trichloropropane	10.825	75	3708m	0.647	ug/l		
72) Bromobenzene	10.783	156	4113	0.559	ug/l		98
73) n-propylbenzene	10.906	120	2984	0.362	ug/l		91
74) 2-Chlorotoluene	10.989	126	3426	0.466	ug/l		99
75) 1,3,5-Trimethylbenzene	11.089	105	10214	0.374	ug/l		99
76) 4-Chlorotoluene	11.102	126	3053	0.414	ug/l		96
77) tert-Butylbenzene	11.423	119	11408	0.424	ug/l		93
78) 1,2,4-Trimethylbenzene	11.471	105	10786	0.393	ug/l		98
79) sec-Butylbenzene	11.645	105	12773	0.362	ug/l		99
80) Nitrobenzene	13.221	77	867	3.063	ug/l	#	81
81) p-Isopropyltoluene	11.793	119	9645	0.337	ug/l		99
82) 1,3-Dichlorobenzene	11.748	146	7815	0.549	ug/l		98
83) 1,4-Dichlorobenzene	11.838	146	7338	0.511	ug/l		98
84) n-Butylbenzene	12.211	91	9210	0.346	ug/l		93
85) 1,2-Dichlorobenzene	12.214	146	7468	0.541	ug/l		95
86) 1,2-Dibromo-3-Chloropr...	12.999	75	771	0.639	ug/l	#	75
87) 1,2,4-Trichlorobenzene	13.844	180	3940	0.423	ug/l		97
88) Hexachlorobutadiene	14.024	225	2512	0.530	ug/l		98
89) Naphthalene	14.092	128	8202	0.420	ug/l		97
90) 1,2,3-Trichlorobenzene	14.333	180	4313	0.485	ug/l		98

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

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