Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081022\
Data File : VU050210.D
Acq On : 10 Aug 2022 10:12
Operator : SY/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 10 10:47:28 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 :
VSTDICC002

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	29868	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	9971	0.911	ug/l	0.00
Spiked Amount 1.000			Recovery = 91.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	10152	1.008	ug/l	0.00
Spiked Amount 1.000			Recovery = 101.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	20989	1.835	ug/l	99
3) Chloromethane	1.517	50	25965	2.219	ug/l	100
4) Vinyl Chloride	1.600	62	23902	2.241	ug/l	99
5) Bromomethane	1.854	94	6744	1.212	ug/l	100
6) Chloroethane	1.932	64	14557	2.437	ug/l	99
7) Trichlorofluoromethane	2.134	101	25941	2.029	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.575	101	13704	2.040	ug/l	98
9) 1,1-Dichloroethene	2.575	96	15783	2.331	ug/l	90
10) Iodomethane	2.716	142	11988	1.396	ug/l	95
11) Allyl Chloride	2.922	41	22042	1.909	ug/l	98
12) Acrylonitrile	3.333	53	8856	4.891	ug/l	95
13) Acetone	2.658	43	14903	10.431	ug/l	95
14) Carbon Disulfide	2.790	76	59794	2.682	ug/l	99
15) Methylene Chloride	3.044	84	23408	2.760	ug/l	88
16) trans-1,2-Dichloroethene	3.353	96	17613	2.477	ug/l	86
17) 1,1-Dichloroethane	3.867	63	32821	2.232	ug/l	98
18) 2-Butanone	4.726	43	24973	10.255	ug/l	93
19) Cyclohexane	5.388	56	21687m	1.543	ug/l	
20) Methylcyclohexane	6.764	83	20024	1.445	ug/l	97
21) 2,2-Dichloropropane	4.661	77	24360	2.024	ug/l	100
22) cis-1,2-Dichloroethene	4.668	96	19142	2.182	ug/l	99
23) Diethyl Ether	2.375	59	14065	2.438	ug/l	98
24) tert-Butyl Alcohol	3.182	59	6165	9.366	ug/l #	73
25) Methyl tert-Butyl Ether	3.366	73	38574	2.037	ug/l	97
26) Bromochloromethane	4.973	128	9173	2.484	ug/l	95
27) Chloroform	5.089	83	34082	2.355	ug/l	98
28) 1,1,1-Trichloroethane	5.317	97	26051	2.041	ug/l	97
29) 1,1-Dichloropropene	5.526	75	21683	1.902	ug/l	98
30) Carbon Tetrachloride	5.526	117	21699	2.019	ug/l	97
31) Isopropyl Ether	3.993	45	43038	1.706	ug/l	89
32) Ethyl-t-butyl ether	4.504	59	40561	1.699	ug/l	97
33) Tert-Amyl methyl ether	5.941	73	36142	1.741	ug/l	98
34) Propionitrile	4.813	54	9362m	13.407	ug/l	
35) Benzene	5.774	78	73468	2.262	ug/l	96
36) 1,2-Dichloroethane	5.796	62	21452	2.323	ug/l	99
37) Trichloroethene	6.542	130	16887	2.057	ug/l	95
38) 1,2-Dichloropropane	6.793	63	20233	2.353	ug/l	97
39) Methacrylonitrile	4.980	41	5333	1.783	ug/l #	89
40) Methyl acrylate	4.854	55	9863	2.105	ug/l #	94
41) Tetrahydrofuran	5.070	42	6556	3.707	ug/l	99
42) 1-Chlorobutane	5.459	56	29843	1.867	ug/l	97
43) Dibromomethane	6.919	93	10443	2.438	ug/l	96
44) Bromodichloromethane	7.105	83	24893	2.424	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	56212	9.668	ug/l		99
46) t-1,4-Dichloro-2-butene	10.832	75	8979m	4.745	ug/l		
47) Methyl methacrylate	6.964	69	17732	4.105	ug/l		92
48) Ethyl methacrylate	8.337	69	15402	1.777	ug/l		93
49) Toluene	7.970	92	39675	2.000	ug/l		95
50) t-1,3-Dichloropropene	8.211	75	20941	2.111	ug/l		100
51) cis-1,3-Dichloropropene	7.607	75	24923	2.120	ug/l		93
52) 1,1,2-Trichloroethane	8.401	97	15262	2.581	ug/l		98
53) 1,3-Dichloropropane	8.578	76	25652	2.417	ug/l		98
54) 2-Hexanone	8.687	43	38600	9.559	ug/l		99
55) Dibromochloromethane	8.809	129	16559	2.452	ug/l		98
56) 1,2-Dibromoethane	8.925	107	13675	2.388	ug/l		99
58) Tetrachloroethene	8.552	164	14763	2.163	ug/l		97
59) Chlorobenzene	9.446	112	42349	2.041	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.533	131	16960	2.298	ug/l		98
61) Pentachloroethane	11.426	117	14097	2.488	ug/l		93
62) Hexachloroethane	12.475	117	10550	1.859	ug/l		95
63) Ethyl Benzene	9.571	91	65326	1.749	ug/l		98
64) m/p-Xylenes	9.693	106	49915	3.613	ug/l		99
65) o-Xylene	10.102	106	25101	1.849	ug/l		99
66) Styrene	10.115	104	38914	1.784	ug/l		99
67) Bromoform	10.291	173	9316	2.417	ug/l		96
69) Isopropylbenzene	10.484	105	63183	1.742	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.780	83	20551	2.676	ug/l		96
71) 1,2,3-Trichloropropane	10.825	75	13618m	2.141	ug/l		
72) Bromobenzene	10.783	156	17886	2.189	ug/l		96
73) n-propylbenzene	10.906	120	14982	1.637	ug/l		97
74) 2-Chlorotoluene	10.986	126	16241	1.990	ug/l		98
75) 1,3,5-Trimethylbenzene	11.089	105	53513	1.765	ug/l		100
76) 4-Chlorotoluene	11.098	126	16563	2.024	ug/l		91
77) tert-Butylbenzene	11.420	119	52992	1.775	ug/l		97
78) 1,2,4-Trimethylbenzene	11.468	105	53247	1.750	ug/l		97
79) sec-Butylbenzene	11.642	105	63267	1.616	ug/l		99
80) Nitrobenzene	13.208	77	3870	12.316	ug/l	#	99
81) p-Isopropyltoluene	11.793	119	49865	1.570	ug/l		99
82) 1,3-Dichlorobenzene	11.745	146	33372	2.111	ug/l		97
83) 1,4-Dichlorobenzene	11.835	146	33094	2.075	ug/l		98
84) n-Butylbenzene	12.208	91	43679	1.477	ug/l		95
85) 1,2-Dichlorobenzene	12.214	146	32156	2.100	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	2882	2.151	ug/l		96
87) 1,2,4-Trichlorobenzene	13.841	180	17171	1.662	ug/l		97
88) Hexachlorobutadiene	14.021	225	10678	2.028	ug/l		97
89) Naphthalene	14.085	128	32450	1.498	ug/l		99
90) 1,2,3-Trichlorobenzene	14.330	180	17816	1.806	ug/l		98

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

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