Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
Data File : VU053165.D
Acq On : 28 Feb 2023 11:09
Operator : JC/MD
Sample : VU0228WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 01 03:37:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 28 03:35:42 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0228WBS01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/01/2023
Supervised By :Mahesh Dadoda 03/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	25628	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11012	1.018	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	8789	1.025	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.386	85	13665	2.101	ug/l	97
3) Chloromethane	1.521	50	12445	1.857	ug/l	98
4) Vinyl Chloride	1.604	62	13606	1.907	ug/l	97
5) Bromomethane	1.862	94	8092	1.992	ug/l	95
6) Chloroethane	1.936	64	8605	1.985	ug/l	99
7) Trichlorofluoromethane	2.141	101	20013	1.948	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	12925	2.012	ug/l	98
9) 1,1-Dichloroethene	2.582	96	10400	1.864	ug/l	93
10) Iodomethane	2.723	142	9937	1.732	ug/l	97
11) Allyl Chloride	2.926	41	14732	1.691	ug/l	96
12) Acrylonitrile	3.318	53	6337	4.436	ug/l #	90
13) Acetone	2.643	43	26626	13.039	ug/l	98
14) Carbon Disulfide	2.794	76	24147	1.887	ug/l #	95
15) Methylene Chloride	3.045	84	16996	2.132	ug/l	91
16) trans-1,2-Dichloroethene	3.354	96	12004	1.957	ug/l	97
17) 1,1-Dichloroethane	3.868	63	25756	1.920	ug/l	99
18) 2-Butanone	4.720	43	28694	11.704	ug/l	99
19) Cyclohexane	5.379	56	20048m	1.871	ug/l	
20) Methylcyclohexane	6.759	83	20995	2.041	ug/l	98
21) 2,2-Dichloropropane	4.662	77	23207	1.974	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	14754	1.950	ug/l	97
23) Diethyl Ether	2.379	59	8608	1.886	ug/l	90
24) tert-Butyl Alcohol	3.231	59	11129m	20.754	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	31976	1.971	ug/l	99
26) Bromochloromethane	4.974	128	5611	1.917	ug/l	93
27) Chloroform	5.090	83	26487	1.916	ug/l	93
28) 1,1,1-Trichloroethane	5.312	97	21605	1.861	ug/l	98
29) 1,1-Dichloropropene	5.524	75	17180	1.974	ug/l	99
30) Carbon Tetrachloride	5.521	117	15613	1.953	ug/l	93
31) Isopropyl Ether	3.993	45	39825	1.861	ug/l	97
32) Ethyl-t-butyl ether	4.505	59	38550	1.900	ug/l	100
33) Tert-Amyl methyl ether	5.945	73	31873	1.980	ug/l	98
34) Propionitrile	4.791	54	5387	9.446	ug/l #	75
35) Benzene	5.771	78	51674	2.012	ug/l	99
36) 1,2-Dichloroethane	5.794	62	14855	1.935	ug/l	99
37) Trichloroethene	6.540	130	12715	2.158	ug/l	99
38) 1,2-Dichloropropane	6.791	63	15297	2.060	ug/l	96
39) Methacrylonitrile	4.980	41	5220	2.146	ug/l	96
40) Methyl acrylate	4.849	55	8106m	2.156	ug/l	
41) Tetrahydrofuran	5.067	42	5043	4.228	ug/l	92
42) 1-Chlorobutane	5.456	56	22582	1.864	ug/l	96
43) Dibromomethane	6.919	93	6662	2.024	ug/l	98
44) Bromodichloromethane	7.106	83	18250	2.027	ug/l	97

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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	42998	10.699	ug/l		99
46) t-1,4-Dichloro-2-butene	10.829	75	7695m	3.800	ug/l		
47) Methyl methacrylate	6.964	69	13869	4.093	ug/l		98
48) Ethyl methacrylate	8.334	69	14447	2.078	ug/l		97
49) Toluene	7.968	92	32359	2.046	ug/l		96
50) t-1,3-Dichloropropene	8.209	75	17365	1.985	ug/l		97
51) cis-1,3-Dichloropropene	7.607	75	20562	1.940	ug/l		99
52) 1,1,2-Trichloroethane	8.398	97	10211	2.112	ug/l		99
53) 1,3-Dichloropropane	8.575	76	18190	2.098	ug/l		98
54) 2-Hexanone	8.688	43	42969	12.548	ug/l		96
55) Dibromochloromethane	8.807	129	10803	1.958	ug/l		99
56) 1,2-Dibromoethane	8.922	107	9058	2.109	ug/l		96
58) Tetrachloroethene	8.549	164	9852	2.097	ug/l		94
59) Chlorobenzene	9.443	112	36950	2.089	ug/l		94
60) 1,1,1,2-Tetrachloroethane	9.530	131	12221	2.092	ug/l		98
61) Pentachloroethane	11.424	117	10461	2.061	ug/l		94
62) Hexachloroethane	12.472	117	10099	1.805	ug/l		98
63) Ethyl Benzene	9.569	91	66576	2.040	ug/l		99
64) m/p-Xylenes	9.691	106	48914	4.132	ug/l		99
65) o-Xylene	10.099	106	24695	2.043	ug/l		100
66) Styrene	10.112	104	39344	2.053	ug/l		99
67) Bromoform	10.286	173	5064	1.888	ug/l	#	96
69) Isopropylbenzene	10.482	105	66908	2.066	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.778	83	13870	2.129	ug/l		99
71) 1,2,3-Trichloropropane	10.823	75	10271m	1.831	ug/l		
72) Bromobenzene	10.781	156	13168	2.096	ug/l		98
73) n-propylbenzene	10.903	120	17241	2.007	ug/l		95
74) 2-Chlorotoluene	10.983	126	14755	2.074	ug/l		99
75) 1,3,5-Trimethylbenzene	11.083	105	55628	2.065	ug/l		99
76) 4-Chlorotoluene	11.093	126	15950	2.133	ug/l		82
77) tert-Butylbenzene	11.418	119	53120	2.012	ug/l		98
78) 1,2,4-Trimethylbenzene	11.463	105	56888	2.072	ug/l		99
79) sec-Butylbenzene	11.639	105	73555	2.008	ug/l		99
80) Nitrobenzene	13.212	77	2677m	7.861	ug/l		
81) p-Isopropyltoluene	11.787	119	56641	1.952	ug/l		100
82) 1,3-Dichlorobenzene	11.742	146	28522	2.068	ug/l		98
83) 1,4-Dichlorobenzene	11.832	146	28192	2.002	ug/l		99
84) n-Butylbenzene	12.205	91	61152	2.034	ug/l		99
85) 1,2-Dichlorobenzene	12.208	146	27415	2.084	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.993	75	2196	2.101	ug/l		96
87) 1,2,4-Trichlorobenzene	13.835	180	15986	1.981	ug/l		98
88) Hexachlorobutadiene	14.015	225	7703	1.954	ug/l		98
89) Naphthalene	14.086	128	34311	1.998	ug/l		99
90) 1,2,3-Trichlorobenzene	14.327	180	14339	2.019	ug/l		98

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

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