Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
Data File : VU053019.D
Acq On : 09 Feb 2023 15:24
Operator : JC/MD
Sample : RL CHECK
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 10 01:21:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 05:16:59 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
RL CHECK

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/10/2023
Supervised By :Mahesh Dadoda 02/10/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.109	96	33509	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	12208	1.095	ug/l	0.00
Spiked Amount 1.000			Recovery = 110.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	10324	0.900	ug/l	0.00
Spiked Amount 1.000			Recovery = 90.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	4444	0.392	ug/l	90
3) Chloromethane	1.518	50	4762	0.443	ug/l	99
4) Vinyl Chloride	1.604	62	4956	0.477	ug/l	97
5) Bromomethane	1.855	94	2971	0.550	ug/l	89
6) Chloroethane	1.936	64	2839	0.454	ug/l	94
7) Trichlorofluoromethane	2.138	101	6461	0.427	ug/l	91
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	4081	0.493	ug/l	90
9) 1,1-Dichloroethene	2.579	96	4011	0.513	ug/l	90
10) Iodomethane	2.723	142	4478	0.517	ug/l	94
11) Allyl Chloride	2.919	41	5495	0.588	ug/l	89
12) Acrylonitrile	3.334	53	1786	1.077	ug/l #	73
13) Acetone	2.669	43	3101	1.319	ug/l #	86
14) Carbon Disulfide	2.791	76	11138	0.425	ug/l	99
15) Methylene Chloride	3.042	84	6418	0.680	ug/l	89
16) trans-1,2-Dichloroethene	3.350	96	3840	0.441	ug/l	90
17) 1,1-Dichloroethane	3.865	63	8138	0.554	ug/l	97
18) 2-Butanone	4.749	43	6006	2.199	ug/l	89
19) Cyclohexane	5.376	56	6791	0.526	ug/l	92
20) Methylcyclohexane	6.759	83	6991	0.485	ug/l	88
21) 2,2-Dichloropropane	4.656	77	7117	0.522	ug/l	94
22) cis-1,2-Dichloroethene	4.662	96	4849	0.533	ug/l	92
23) Diethyl Ether	2.376	59	2753	0.498	ug/l #	85
25) Methyl tert-Butyl Ether	3.366	73	10828	0.604	ug/l #	83
26) Bromochloromethane	4.971	128	1980	0.466	ug/l	90
27) Chloroform	5.083	83	8196	0.520	ug/l	98
28) 1,1,1-Trichloroethane	5.308	97	7644	0.526	ug/l	94
29) 1,1-Dichloropropene	5.517	75	5188	0.423	ug/l #	92
30) Carbon Tetrachloride	5.514	117	5062	0.384	ug/l	99
31) Isopropyl Ether	3.997	45	11556	0.547	ug/l	93
32) Ethyl-t-butyl ether	4.508	59	12521	0.635	ug/l	93
33) Tert-Amyl methyl ether	5.945	73	9207	0.528	ug/l #	95
34) Propionitrile	4.842	54	2989m	4.779	ug/l	
35) Benzene	5.768	78	14610	0.411	ug/l	96
36) 1,2-Dichloroethane	5.791	62	4143	0.388	ug/l #	81
37) Trichloroethene	6.540	130	3317	0.342	ug/l #	60
38) 1,2-Dichloropropane	6.794	63	4216	0.467	ug/l	99
39) Methacrylonitrile	4.984	41	1456	0.583	ug/l #	82
40) Methyl acrylate	4.858	55	2124	0.480	ug/l #	85
41) Tetrahydrofuran	5.083	42	1934	1.556	ug/l #	60
42) 1-Chlorobutane	5.450	56	6604	0.421	ug/l	100
43) Dibromomethane	6.913	93	2009	0.440	ug/l #	80
44) Bromodichloromethane	7.106	83	5624	0.454	ug/l	97
45) 4-Methyl-2-Pentanone	7.800	43	10781	2.246	ug/l #	93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) t-1,4-Dichloro-2-butene	10.826	75	2759m	1.096	ug/l		
47) Methyl methacrylate	6.968	69	4351	1.071	ug/l	#	88
48) Ethyl methacrylate	8.337	69	4780	0.649	ug/l		94
49) Toluene	7.967	92	9126	0.423	ug/l		93
50) t-1,3-Dichloropropene	8.209	75	5177	0.479	ug/l		96
51) cis-1,3-Dichloropropene	7.607	75	5834	0.459	ug/l	#	94
52) 1,1,2-Trichloroethane	8.402	97	2851	0.439	ug/l	#	89
53) 1,3-Dichloropropane	8.575	76	4830	0.430	ug/l		94
54) 2-Hexanone	8.694	43	8645	2.059	ug/l		94
55) Dibromochloromethane	8.810	129	3232	0.380	ug/l		94
56) 1,2-Dibromoethane	8.919	107	2477	0.401	ug/l		98
58) Tetrachloroethene	8.549	164	2927	0.334	ug/l		91
59) Chlorobenzene	9.447	112	9653	0.411	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.530	131	3335	0.367	ug/l		94
61) Pentachloroethane	11.424	117	2772	0.372	ug/l		90
62) Hexachloroethane	12.469	117	2830	0.376	ug/l	#	75
63) Ethyl Benzene	9.569	91	17588	0.462	ug/l		98
64) m/p-Xylenes	9.691	106	12493	0.823	ug/l		83
65) o-Xylene	10.096	106	6369	0.435	ug/l		89
66) Styrene	10.112	104	9961	0.758	ug/l		96
67) Bromoform	10.289	173	1718	0.343	ug/l	#	87
69) Isopropylbenzene	10.482	105	16778	0.450	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.781	83	3926	0.485	ug/l	#	92
71) 1,2,3-Trichloropropane	10.823	75	2198m	0.314	ug/l		
72) Bromobenzene	10.778	156	3608	0.381	ug/l		83
73) n-propylbenzene	10.903	120	4357	0.772	ug/l		91
74) 2-Chlorotoluene	10.983	126	3767	0.400	ug/l		86
75) 1,3,5-Trimethylbenzene	11.083	105	14208	0.775	ug/l		91
76) 4-Chlorotoluene	11.096	126	4046	0.419	ug/l		96
77) tert-Butylbenzene	11.414	119	13586	0.419	ug/l		90
78) 1,2,4-Trimethylbenzene	11.466	105	14463	0.807	ug/l		92
79) sec-Butylbenzene	11.639	105	17852	0.769	ug/l		94
80) Nitrobenzene	13.208	77	1778m	3.547	ug/l		
81) p-Isopropyltoluene	11.790	119	14676	0.805	ug/l	#	94
82) 1,3-Dichlorobenzene	11.742	146	6776	0.351	ug/l		94
83) 1,4-Dichlorobenzene	11.836	146	7123	0.367	ug/l		94
84) n-Butylbenzene	12.205	91	14398	0.909	ug/l	#	91
85) 1,2-Dichlorobenzene	12.208	146	7052	0.387	ug/l		94
86) 1,2-Dibromo-3-Chloropr...	12.993	75	604	0.403	ug/l	#	75
87) 1,2,4-Trichlorobenzene	13.839	180	4073	0.372	ug/l		99
88) Hexachlorobutadiene	14.015	225	2172	0.283	ug/l		95
89) Naphthalene	14.086	128	9093	0.429	ug/l		98
90) 1,2,3-Trichlorobenzene	14.327	180	3729	0.359	ug/l		97

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

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