Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
Data File : VU052790.D
Acq On : 24 Jan 2023 14:35
Operator : JC/MD
Sample : RL CHECK
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 25 01:37:53 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 01/31/2023
Supervised By :Mahesh Dadoda 01/31/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.111	96	33533	1.000	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.629	95	10561	0.947	ug/l		0.00
Spiked Amount 1.000			Recovery =	95.000%			
68) 1,2-Dichlorobenzene-d4	12.188	152	11318	0.986	ug/l		0.00
Spiked Amount 1.000			Recovery =	99.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.385	85	5605	0.494	ug/l		95
3) Chloromethane	1.517	50	5300	0.492	ug/l		92
4) Vinyl Chloride	1.604	62	4669	0.449	ug/l		99
5) Bromomethane	1.858	94	2787	0.516	ug/l		96
6) Chloroethane	1.935	64	2936	0.469	ug/l		91
7) Trichlorofluoromethane	2.137	101	7695	0.508	ug/l		97
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	4136	0.499	ug/l		96
9) 1,1-Dichloroethene	2.581	96	4034	0.516	ug/l		91
10) Iodomethane	2.723	142	4394	0.507	ug/l		100
11) Allyl Chloride	2.925	41	4663	0.499	ug/l		94
12) Acrylonitrile	3.350	53	1497m	0.902	ug/l		
13) Acetone	2.658	43	8536m	3.628	ug/l		
14) Carbon Disulfide	2.790	76	13336	0.509	ug/l		98
15) Methylene Chloride	3.044	84	6280	0.664	ug/l		92
16) trans-1,2-Dichloroethene	3.353	96	4251	0.488	ug/l		86
17) 1,1-Dichloroethane	3.867	63	7869	0.535	ug/l	#	94
18) 2-Butanone	4.732	43	7005	2.563	ug/l		98
19) Cyclohexane	5.382	56	5413m	0.419	ug/l		
20) Methylcyclohexane	6.761	83	5336	0.370	ug/l		90
21) 2,2-Dichloropropane	4.658	77	7067	0.518	ug/l		99
22) cis-1,2-Dichloroethene	4.665	96	4645	0.510	ug/l		96
23) Diethyl Ether	2.375	59	2669	0.483	ug/l		89
24) tert-Butyl Alcohol	3.362	59	2645m	3.971	ug/l		
25) Methyl tert-Butyl Ether	3.362	73	8664	0.483	ug/l	#	81
26) Bromochloromethane	4.970	128	2258	0.532	ug/l		95
27) Chloroform	5.086	83	10096	0.641	ug/l		97
28) 1,1,1-Trichloroethane	5.314	97	8016	0.551	ug/l		97
29) 1,1-Dichloropropene	5.523	75	5409	0.441	ug/l		97
30) Carbon Tetrachloride	5.523	117	6501	0.492	ug/l		98
31) Isopropyl Ether	3.996	45	9827	0.465	ug/l		91
32) Ethyl-t-butyl ether	4.501	59	9071	0.460	ug/l		100
33) Tert-Amyl methyl ether	5.938	73	7687	0.441	ug/l		97
34) Propionitrile	4.870	54	1370m	2.189	ug/l		
35) Benzene	5.774	78	16892	0.475	ug/l		96
36) 1,2-Dichloroethane	5.793	62	5124	0.479	ug/l		99
37) Trichloroethene	6.539	130	4656	0.480	ug/l		98
38) 1,2-Dichloropropane	6.790	63	4133	0.458	ug/l		94
39) Methacrylonitrile	4.989	41	1034	0.414	ug/l	#	55
40) Methyl acrylate	4.861	55	1881m	0.424	ug/l		
41) Tetrahydrofuran	5.083	42	1041m	0.837	ug/l		
42) 1-Chlorobutane	5.456	56	6942	0.443	ug/l		92
43) Dibromomethane	6.919	93	1959	0.429	ug/l		89
44) Bromodichloromethane	7.105	83	6244	0.503	ug/l		93

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.790	43	9077	1.890	ug/l		98
46)	t-1,4-Dichloro-2-butene	10.822	75	2534m	1.006	ug/l		
47)	Methyl methacrylate	6.960	69	3016	0.742	ug/l		95
48)	Ethyl methacrylate	8.333	69	2687	0.365	ug/l		99
49)	Toluene	7.967	92	8532	0.395	ug/l		90
50)	t-1,3-Dichloropropene	8.211	75	4237	0.392	ug/l		94
51)	cis-1,3-Dichloropropene	7.603	75	5350	0.420	ug/l	#	89
52)	1,1,2-Trichloroethane	8.398	97	2856	0.439	ug/l		90
53)	1,3-Dichloropropane	8.574	76	5259	0.468	ug/l		99
54)	2-Hexanone	8.687	43	8208	1.953	ug/l		99
55)	Dibromochloromethane	8.806	129	4089	0.481	ug/l		98
56)	1,2-Dibromoethane	8.922	107	3012	0.487	ug/l		94
58)	Tetrachloroethene	8.549	164	4152	0.474	ug/l		94
59)	Chlorobenzene	9.446	112	10382	0.441	ug/l		95
60)	1,1,1,2-Tetrachloroethane	9.529	131	4371	0.480	ug/l		96
61)	Pentachloroethane	11.420	117	3259	0.437	ug/l		90
62)	Hexachloroethane	12.468	117	3471	0.461	ug/l		99
63)	Ethyl Benzene	9.568	91	14468	0.380	ug/l		99
64)	m/p-Xylenes	9.690	106	10816	0.712	ug/l		98
65)	o-Xylene	10.095	106	5772	0.394	ug/l		96
66)	Styrene	10.111	104	8438	0.707	ug/l		97
67)	Bromoform	10.288	173	2197	0.438	ug/l	#	95
69)	Isopropylbenzene	10.481	105	13986	0.375	ug/l		100
70)	1,1,2,2-Tetrachloroethane	10.777	83	3575	0.441	ug/l		96
71)	1,2,3-Trichloropropane	10.822	75	3312m	0.472	ug/l		
72)	Bromobenzene	10.780	156	4422	0.467	ug/l		97
73)	n-propylbenzene	10.902	120	4045	0.748	ug/l		88
74)	2-Chlorotoluene	10.983	126	3590	0.381	ug/l		94
75)	1,3,5-Trimethylbenzene	11.082	105	10867	0.692	ug/l		97
76)	4-Chlorotoluene	11.095	126	3403	0.352	ug/l		91
77)	tert-Butylbenzene	11.417	119	12749	0.393	ug/l		95
78)	1,2,4-Trimethylbenzene	11.465	105	11240	0.729	ug/l		97
79)	sec-Butylbenzene	11.639	105	14747	0.710	ug/l		93
80)	Nitrobenzene	13.224	77	796m	1.587	ug/l		
81)	p-Isopropyltoluene	11.787	119	11359	0.732	ug/l		96
82)	1,3-Dichlorobenzene	11.741	146	8331	0.431	ug/l		96
83)	1,4-Dichlorobenzene	11.835	146	8210	0.423	ug/l		99
84)	n-Butylbenzene	12.204	91	10275	0.807	ug/l		100
85)	1,2-Dichlorobenzene	12.211	146	7995	0.438	ug/l		99
86)	1,2-Dibromo-3-Chloropr...	13.002	75	523	0.348	ug/l	#	88
87)	1,2,4-Trichlorobenzene	13.838	180	4345	0.397	ug/l		94
88)	Hexachlorobutadiene	14.018	225	3762	0.490	ug/l		91
89)	Naphthalene	14.085	128	7806	0.368	ug/l		97
90)	1,2,3-Trichlorobenzene	14.327	180	4122	0.397	ug/l		91

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

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