Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013023\
Data File : VU052869.D
Acq On : 30 Jan 2023 19:14
Operator : JC/MD
Sample : RL CHECK
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 31 13:03:18 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

02/01/2023
Supervised By :Mahesh Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	26550	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	7998	0.906	ug/l	0.00
Spiked Amount 1.000			Recovery = 91.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	10641	1.171	ug/l	0.00
Spiked Amount 1.000			Recovery = 117.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	8456	0.941	ug/l	99
3) Chloromethane	1.520	50	6665	0.782	ug/l	96
4) Vinyl Chloride	1.604	62	6325	0.768	ug/l	97
5) Bromomethane	1.858	94	5266	1.231	ug/l	99
6) Chloroethane	1.935	64	5290	1.068	ug/l	99
7) Trichlorofluoromethane	2.137	101	15475	1.290	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	8363	1.275	ug/l	98
9) 1,1-Dichloroethene	2.581	96	6877	1.110	ug/l	93
10) Iodomethane	2.723	142	8383	1.222	ug/l	97
11) Allyl Chloride	2.922	41	8162	1.103	ug/l	98
12) Acrylonitrile	3.317	53	3239	2.466	ug/l #	84
13) Acetone	2.649	43	8167	4.384	ug/l	99
14) Carbon Disulfide	2.790	76	19446	0.937	ug/l	100
15) Methylene Chloride	3.044	84	9897	1.323	ug/l	96
16) trans-1,2-Dichloroethene	3.350	96	7773	1.128	ug/l	98
17) 1,1-Dichloroethane	3.867	63	12949	1.113	ug/l	98
18) 2-Butanone	4.729	43	7800	3.604	ug/l	96
19) Cyclohexane	5.378	56	6975	0.681	ug/l #	74
20) Methylcyclohexane	6.755	83	7690	0.673	ug/l	94
21) 2,2-Dichloropropane	4.655	77	10749	0.994	ug/l	98
22) cis-1,2-Dichloroethene	4.661	96	7076	0.982	ug/l	94
23) Diethyl Ether	2.375	59	5132	1.172	ug/l	95
24) tert-Butyl Alcohol	3.250	59	437	0.829	ug/l #	22
25) Methyl tert-Butyl Ether	3.366	73	17643	1.241	ug/l	98
26) Bromochloromethane	4.970	128	3385	1.006	ug/l	89
27) Chloroform	5.086	83	13877	1.112	ug/l	95
28) 1,1,1-Trichloroethane	5.314	97	12021	1.043	ug/l	95
29) 1,1-Dichloropropene	5.523	75	7819	0.805	ug/l	90
30) Carbon Tetrachloride	5.517	117	11336	1.084	ug/l	95
31) Isopropyl Ether	3.996	45	13983	0.836	ug/l	95
32) Ethyl-t-butyl ether	4.504	59	14958	0.958	ug/l	93
33) Tert-Amyl methyl ether	5.948	73	11199	0.811	ug/l #	83
34) Propionitrile	4.803	54	2083	4.203	ug/l #	1
35) Benzene	5.771	78	24663	0.875	ug/l	98
36) 1,2-Dichloroethane	5.796	62	8551	1.010	ug/l	100
37) Trichloroethene	6.539	130	7171	0.933	ug/l	99
38) 1,2-Dichloropropane	6.790	63	5725	0.801	ug/l	96
39) Methacrylonitrile	4.977	41	1745	0.882	ug/l #	95
40) Methyl acrylate	4.848	55	2759	0.786	ug/l #	90
41) Tetrahydrofuran	5.070	42	1842	1.871	ug/l #	63
42) 1-Chlorobutane	5.449	56	10715	0.863	ug/l	94
43) Dibromomethane	6.919	93	3563	0.984	ug/l	92
44) Bromodichloromethane	7.105	83	9532	0.971	ug/l	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 05:16:59 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	11597	3.049	ug/l		98
46) t-1,4-Dichloro-2-butene	10.828	75	2797m	1.403	ug/l		
47) Methyl methacrylate	6.967	69	4398	1.367	ug/l		93
48) Ethyl methacrylate	8.340	69	3736	0.641	ug/l		98
49) Toluene	7.967	92	13046	0.762	ug/l		94
50) t-1,3-Dichloropropene	8.211	75	6790	0.793	ug/l		100
51) cis-1,3-Dichloropropene	7.607	75	7820	0.776	ug/l		97
52) 1,1,2-Trichloroethane	8.401	97	4848	0.942	ug/l		96
53) 1,3-Dichloropropane	8.578	76	7110	0.799	ug/l		91
54) 2-Hexanone	8.690	43	7716	2.319	ug/l		97
55) Dibromochloromethane	8.809	129	6730	1.000	ug/l		92
56) 1,2-Dibromoethane	8.922	107	4583	0.935	ug/l		99
58) Tetrachloroethene	8.552	164	6997	1.009	ug/l		94
59) Chlorobenzene	9.446	112	15700	0.843	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.529	131	7300	1.013	ug/l		95
61) Pentachloroethane	11.430	117	5940	1.006	ug/l		94
62) Hexachloroethane	12.471	117	5784	0.969	ug/l		96
63) Ethyl Benzene	9.568	91	20012	0.663	ug/l		93
64) m/p-Xylenes	9.690	106	16056	1.335	ug/l		96
65) o-Xylene	10.099	106	8043	0.693	ug/l		99
66) Styrene	10.111	104	12889	0.972	ug/l		95
67) Bromoform	10.288	173	3782	0.952	ug/l		99
69) Isopropylbenzene	10.481	105	19815	0.671	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.780	83	5621	0.876	ug/l	#	98
71) 1,2,3-Trichloropropane	10.822	75	2665m	0.480	ug/l		
72) Bromobenzene	10.780	156	6505	0.867	ug/l		92
73) n-propylbenzene	10.902	120	5724	0.990	ug/l		91
74) 2-Chlorotoluene	10.986	126	6169	0.827	ug/l		81
75) 1,3,5-Trimethylbenzene	11.086	105	16286	0.934	ug/l		94
76) 4-Chlorotoluene	11.095	126	5173	0.676	ug/l		99
77) tert-Butylbenzene	11.420	119	19271	0.750	ug/l		98
78) 1,2,4-Trimethylbenzene	11.465	105	17623	0.997	ug/l		96
79) sec-Butylbenzene	11.639	105	22876	0.979	ug/l		98
80) Nitrobenzene	13.211	77	1583	3.986	ug/l	#	95
81) p-Isopropyltoluene	11.790	119	18776	1.001	ug/l		98
82) 1,3-Dichlorobenzene	11.742	146	13747	0.898	ug/l		97
83) 1,4-Dichlorobenzene	11.835	146	13688	0.890	ug/l		100
84) n-Butylbenzene	12.208	91	14932	1.018	ug/l		97
85) 1,2-Dichlorobenzene	12.208	146	13136	0.909	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	1088	0.916	ug/l		92
87) 1,2,4-Trichlorobenzene	13.838	180	7153	0.825	ug/l		93
88) Hexachlorobutadiene	14.018	225	6714	1.105	ug/l		94
89) Naphthalene	14.086	128	10405	0.619	ug/l		99
90) 1,2,3-Trichlorobenzene	14.327	180	6653	0.809	ug/l		99

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

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