Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072623\
Data File : VU054884.D
Acq On : 26 Jul 2023 18:32
Operator : MD/SY
Sample : RL-CHECK
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 28 05:26:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 26 09:45:35 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	26784	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	8577	1.056	ug/l	0.00
Spiked Amount 1.000			Recovery = 106.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	8858	0.965	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	5053	0.991	ug/l	97
3) Chloromethane	1.515	50	5361	0.936	ug/l	95
4) Vinyl Chloride	1.599	62	7249	0.947	ug/l	92
5) Bromomethane	1.853	94	6108	1.006	ug/l #	80
6) Chloroethane	1.930	64	5883	0.744	ug/l	97
7) Trichlorofluoromethane	2.136	101	14814	0.824	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	5380	0.924	ug/l #	84
9) 1,1-Dichloroethene	2.576	96	4139	0.895	ug/l	80
10) Iodomethane	2.718	142	6389	0.885	ug/l	97
11) Allyl Chloride	2.924	41	4825	0.873	ug/l	96
12) Acrylonitrile	3.348	53	2460m	2.120	ug/l	
13) Acetone	2.647	43	6091m	5.022	ug/l	
14) Carbon Disulfide	2.788	76	7482	0.934	ug/l	99
15) Methylene Chloride	3.039	84	7479	1.222	ug/l	87
16) trans-1,2-Dichloroethene	3.348	96	5061	1.005	ug/l	84
17) 1,1-Dichloroethane	3.872	63	9925	0.882	ug/l #	93
18) 2-Butanone	4.731	43	7272m	4.753	ug/l	
19) Cyclohexane	5.383	56	6247m	0.986	ug/l	
20) Methylcyclohexane	6.759	83	8304	0.980	ug/l	94
21) 2,2-Dichloropropane	4.660	77	8246	0.790	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	6155	0.920	ug/l	93
23) Diethyl Ether	2.374	59	7345	1.077	ug/l	94
24) tert-Butyl Alcohol	3.271	59	6181m	9.739	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	14623	1.022	ug/l	99
26) Bromochloromethane	4.968	128	2670	0.973	ug/l	94
27) Chloroform	5.084	83	12060	0.997	ug/l	100
28) 1,1,1-Trichloroethane	5.306	97	10052	0.963	ug/l	97
29) 1,1-Dichloropropene	5.525	75	7244	0.940	ug/l	95
30) Carbon Tetrachloride	5.521	117	8373	0.961	ug/l	93
31) Isopropyl Ether	3.994	45	16018	0.964	ug/l	98
32) Ethyl-t-butyl ether	4.499	59	16314	0.953	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	15989	0.988	ug/l	97
34) Propionitrile	4.833	54	2611m	6.189	ug/l	
35) Benzene	5.769	78	23662	0.981	ug/l	100
36) 1,2-Dichloroethane	5.792	62	6437	0.938	ug/l #	84
37) Trichloroethene	6.541	130	6421	0.990	ug/l	92
38) 1,2-Dichloropropane	6.792	63	6345	0.930	ug/l	100
39) Methacrylonitrile	4.991	41	1629	0.963	ug/l #	75
40) Methyl acrylate	4.862	55	3110m	1.157	ug/l	
41) Tetrahydrofuran	5.065	42	2246m	2.323	ug/l	
42) 1-Chlorobutane	5.457	56	9133	0.905	ug/l	93
43) Dibromomethane	6.917	93	3572	1.115	ug/l	93
44) Bromodichloromethane	7.103	83	8091	0.907	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	20070	5.370	ug/l		95
46) t-1,4-Dichloro-2-butene	10.830	75	3118m	2.073	ug/l		
47) Methyl methacrylate	6.965	69	5804	1.982	ug/l		92
48) Ethyl methacrylate	8.335	69	5678	0.959	ug/l		91
49) Toluene	7.965	92	14765	0.961	ug/l		99
50) t-1,3-Dichloropropene	8.210	75	7713	0.973	ug/l	#	88
51) cis-1,3-Dichloropropene	7.605	75	8706	0.894	ug/l		95
52) 1,1,2-Trichloroethane	8.396	97	5134	1.011	ug/l		94
53) 1,3-Dichloropropane	8.573	76	8320	1.013	ug/l		98
54) 2-Hexanone	8.685	43	13442	5.061	ug/l		97
55) Dibromochloromethane	8.808	129	5008	0.861	ug/l		94
56) 1,2-Dibromoethane	8.923	107	4272	0.993	ug/l		95
58) Tetrachloroethene	8.550	164	6467	1.142	ug/l		89
59) Chlorobenzene	9.447	112	17514	0.939	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.531	131	6125	0.930	ug/l		99
61) Pentachloroethane	11.425	117	4673	0.908	ug/l		85
62) Hexachloroethane	12.473	117	4872	0.921	ug/l		92
63) Ethyl Benzene	9.570	91	28969	0.926	ug/l		98
64) m/p-Xylenes	9.692	106	21926	1.873	ug/l		98
65) o-Xylene	10.097	106	11207	0.932	ug/l		94
66) Styrene	10.113	104	18183	0.946	ug/l		97
67) Bromoform	10.293	173	3222	1.068	ug/l	#	90
69) Isopropylbenzene	10.483	105	29531	0.915	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.779	83	6583	1.047	ug/l		95
71) 1,2,3-Trichloropropane	10.820	75	4979m	1.112	ug/l		
72) Bromobenzene	10.782	156	7745	1.077	ug/l		98
73) n-propylbenzene	10.904	120	8782	1.016	ug/l		91
74) 2-Chlorotoluene	10.984	126	7539	1.008	ug/l		95
75) 1,3,5-Trimethylbenzene	11.087	105	23877	0.913	ug/l		95
76) 4-Chlorotoluene	11.097	126	7594	0.977	ug/l		96
77) tert-Butylbenzene	11.415	119	24950	0.918	ug/l		100
78) 1,2,4-Trimethylbenzene	11.467	105	23489	0.878	ug/l		97
79) sec-Butylbenzene	11.643	105	31441	0.890	ug/l		100
80) Nitrobenzene	13.219	77	647	3.918	ug/l	#	39
81) p-Isopropyltoluene	11.791	119	24062	0.863	ug/l		98
82) 1,3-Dichlorobenzene	11.746	146	14643	0.957	ug/l		96
83) 1,4-Dichlorobenzene	11.833	146	15529	1.018	ug/l		98
84) n-Butylbenzene	12.206	91	19980	0.797	ug/l		97
85) 1,2-Dichlorobenzene	12.213	146	14030	0.956	ug/l		96
86) 1,2-Dibromo-3-Chloropr...	13.004	75	755	0.904	ug/l		90
87) 1,2,4-Trichlorobenzene	13.836	180	8422	0.900	ug/l		98
88) Hexachlorobutadiene	14.016	225	4323	0.866	ug/l		99
89) Naphthalene	14.087	128	14161	0.977	ug/l		96
90) 1,2,3-Trichlorobenzene	14.328	180	7110	0.857	ug/l		95

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

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