Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072823\
Data File : VU054910.D
Acq On : 28 Jul 2023 15:16
Operator : MD/SY
Sample : RL-CHECK
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 28 23:28:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 28 23:25:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Manual Integrations APPROVED

Reviewed By :John Carlone 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	27993	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.634	95	9122	1.075	ug/l		0.00
Spiked Amount 1.000			Recovery = 107.000%				
68) 1,2-Dichlorobenzene-d4	12.193	152	9977	1.040	ug/l		0.00
Spiked Amount 1.000			Recovery = 104.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.383	85	2867	0.538	ug/l		96
3) Chloromethane	1.518	50	3910	0.653	ug/l		94
4) Vinyl Chloride	1.599	62	4932	0.617	ug/l		94
5) Bromomethane	1.853	94	4529	0.714	ug/l		95
6) Chloroethane	1.930	64	4638	0.561	ug/l		91
7) Trichlorofluoromethane	2.133	101	10086	0.537	ug/l		84
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	3790	0.622	ug/l		92
9) 1,1-Dichloroethene	2.573	96	2951	0.611	ug/l		93
10) Iodomethane	2.718	142	2893	0.383	ug/l		94
11) Allyl Chloride	2.920	41	3457	0.599	ug/l		90
12) Acrylonitrile	3.338	53	1271	1.048	ug/l		97
13) Acetone	2.644	43	5859	4.622	ug/l	#	74
14) Carbon Disulfide	2.785	76	4519	0.540	ug/l		100
15) Methylene Chloride	3.042	84	5384	0.799	ug/l		98
16) trans-1,2-Dichloroethene	3.348	96	3106	0.590	ug/l		92
17) 1,1-Dichloroethane	3.866	63	7502	0.638	ug/l	#	93
18) 2-Butanone	4.734	43	6026m	3.768	ug/l		
19) Cyclohexane	5.383	56	4338m	0.655	ug/l		
20) Methylcyclohexane	6.759	83	5115	0.578	ug/l		96
21) 2,2-Dichloropropane	4.653	77	5906	0.541	ug/l		100
22) cis-1,2-Dichloroethene	4.669	96	4268	0.610	ug/l		96
23) Diethyl Ether	2.374	59	4105	0.576	ug/l	#	83
24) tert-Butyl Alcohol	3.219	59	3458m	5.213	ug/l		
25) Methyl tert-Butyl Ether	3.364	73	9500	0.635	ug/l		98
26) Bromochloromethane	4.985	128	1244m	0.434	ug/l		
27) Chloroform	5.091	83	7925	0.627	ug/l		82
28) 1,1,1-Trichloroethane	5.312	97	6256	0.573	ug/l		95
29) 1,1-Dichloropropene	5.525	75	4675	0.581	ug/l		92
30) Carbon Tetrachloride	5.521	117	4952	0.544	ug/l		89
31) Isopropyl Ether	3.988	45	10190	0.587	ug/l		95
32) Ethyl-t-butyl ether	4.496	59	10700	0.598	ug/l		96
33) Tert-Amyl methyl ether	5.939	73	10208	0.604	ug/l		98
34) Propionitrile	4.827	54	1355m	3.073	ug/l		
35) Benzene	5.772	78	15480	0.614	ug/l		98
36) 1,2-Dichloroethane	5.798	62	4111	0.573	ug/l	#	84
37) Trichloroethene	6.544	130	4280	0.631	ug/l		93
38) 1,2-Dichloropropane	6.792	63	4355	0.611	ug/l		92
39) Methacrylonitrile	5.004	41	996m	0.563	ug/l		
40) Methyl acrylate	4.882	55	1646m	0.586	ug/l		
41) Tetrahydrofuran	5.075	42	1265m	1.252	ug/l		
42) 1-Chlorobutane	5.457	56	6534	0.620	ug/l		99
43) Dibromomethane	6.917	93	2018	0.603	ug/l	#	81
44) Bromodichloromethane	7.107	83	5944	0.637	ug/l	#	89

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	12980	3.323	ug/l		95
46) t-1,4-Dichloro-2-butene	10.843	75	1513m	0.963	ug/l		
47) Methyl methacrylate	6.968	69	3391	1.108	ug/l		91
48) Ethyl methacrylate	8.335	69	3614	0.584	ug/l		95
49) Toluene	7.968	92	9740	0.606	ug/l		96
50) t-1,3-Dichloropropene	8.213	75	5161	0.623	ug/l		90
51) cis-1,3-Dichloropropene	7.608	75	5676	0.558	ug/l	#	88
52) 1,1,2-Trichloroethane	8.402	97	3270	0.616	ug/l		90
53) 1,3-Dichloropropane	8.576	76	5263	0.613	ug/l		97
54) 2-Hexanone	8.689	43	9322	3.358	ug/l		95
55) Dibromochloromethane	8.808	129	2936	0.483	ug/l		90
56) 1,2-Dibromoethane	8.926	107	2725	0.606	ug/l		95
58) Tetrachloroethene	8.553	164	3546	0.599	ug/l		91
59) Chlorobenzene	9.447	112	11070	0.568	ug/l		90
60) 1,1,1,2-Tetrachloroethane	9.534	131	4576	0.665	ug/l	#	83
61) Pentachloroethane	11.428	117	2787	0.518	ug/l		88
62) Hexachloroethane	12.470	117	2846	0.515	ug/l		92
63) Ethyl Benzene	9.570	91	18788	0.574	ug/l		94
64) m/p-Xylenes	9.695	106	14454	1.181	ug/l		100
65) o-Xylene	10.100	106	7125	0.567	ug/l		100
66) Styrene	10.116	104	11690	0.582	ug/l		97
67) Bromoform	10.293	173	1847	0.586	ug/l	#	85
69) Isopropylbenzene	10.483	105	19945	0.591	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.782	83	4133	0.629	ug/l		96
71) 1,2,3-Trichloropropane	10.824	75	2976m	0.636	ug/l		
72) Bromobenzene	10.785	156	4550	0.606	ug/l		87
73) n-propylbenzene	10.907	120	4895	0.542	ug/l		97
74) 2-Chlorotoluene	10.987	126	4353	0.557	ug/l		97
75) 1,3,5-Trimethylbenzene	11.087	105	15161	0.555	ug/l		99
76) 4-Chlorotoluene	11.097	126	4849	0.597	ug/l		99
77) tert-Butylbenzene	11.418	119	15588	0.549	ug/l		100
78) 1,2,4-Trimethylbenzene	11.470	105	14295	0.511	ug/l		99
79) sec-Butylbenzene	11.643	105	19971	0.541	ug/l		99
80) Nitrobenzene	13.241	77	397m	2.300	ug/l		
81) p-Isopropyltoluene	11.795	119	14040	0.482	ug/l		97
82) 1,3-Dichlorobenzene	11.746	146	9713	0.607	ug/l		98
83) 1,4-Dichlorobenzene	11.840	146	9649	0.605	ug/l		96
84) n-Butylbenzene	12.209	91	12213	0.466	ug/l		98
85) 1,2-Dichlorobenzene	12.213	146	9135	0.596	ug/l		93
86) 1,2-Dibromo-3-Chloropr...	12.997	75	405	0.464	ug/l	#	56
87) 1,2,4-Trichlorobenzene	13.843	180	5349	0.547	ug/l		98
88) Hexachlorobutadiene	14.020	225	2941	0.564	ug/l		96
89) Naphthalene	14.093	128	7601	0.502	ug/l		98
90) 1,2,3-Trichlorobenzene	14.335	180	4961	0.572	ug/l		95

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

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