Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
Data File : VU054860.D
Acq On : 24 Jul 2023 15:28
Operator : MD/SY
Sample : RL-CHECK
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 25 05:02:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 25 05:02:28 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.113	96	25585	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.631	95	7537	0.975	ug/l		0.00
Spiked Amount 1.000			Recovery = 98.000%				
68) 1,2-Dichlorobenzene-d4	12.194	152	9333	1.043	ug/l		0.00
Spiked Amount 1.000			Recovery = 104.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.384	85	2019	0.397	ug/l		96
3) Chloromethane	1.519	50	3039	0.514	ug/l	#	87
4) Vinyl Chloride	1.602	62	3910	0.515	ug/l		96
5) Bromomethane	1.856	94	2657	0.493	ug/l		87
6) Chloroethane	1.930	64	3324	0.463	ug/l		97
7) Trichlorofluoromethane	2.133	101	8077	0.439	ug/l		95
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	2906	0.551	ug/l		92
9) 1,1-Dichloroethene	2.577	96	2420	0.550	ug/l		94
10) Iodomethane	2.715	142	3188	0.450	ug/l		94
11) Allyl Chloride	2.921	41	2229	0.432	ug/l		83
12) Acrylonitrile	3.352	53	705m	0.658	ug/l		
13) Acetone	2.654	43	2357m	2.567	ug/l		
14) Carbon Disulfide	2.789	76	3741	0.504	ug/l	#	88
15) Methylene Chloride	3.040	84	3656	0.445	ug/l		87
16) trans-1,2-Dichloroethene	3.348	96	2069	0.423	ug/l		87
17) 1,1-Dichloroethane	3.863	63	4590	0.443	ug/l	#	91
18) 2-Butanone	4.744	43	1653	1.231	ug/l		72
19) Cyclohexane	5.384	56	2794	0.466	ug/l	#	88
20) Methylcyclohexane	6.763	83	3785	0.476	ug/l		95
21) 2,2-Dichloropropane	4.654	77	4303	0.477	ug/l	#	76
22) cis-1,2-Dichloroethene	4.660	96	2544	0.411	ug/l	#	65
23) Diethyl Ether	2.377	59	3317	0.491	ug/l		97
24) tert-Butyl Alcohol	3.274	59	1878m	3.224	ug/l		
25) Methyl tert-Butyl Ether	3.364	73	5859	0.436	ug/l		94
26) Bromochloromethane	4.975	128	1341	0.568	ug/l	#	65
27) Chloroform	5.091	83	5580	0.491	ug/l		87
28) 1,1,1-Trichloroethane	5.310	97	4383	0.459	ug/l		96
29) 1,1-Dichloropropene	5.531	75	3107	0.457	ug/l	#	87
30) Carbon Tetrachloride	5.522	117	2907	0.366	ug/l	#	93
31) Isopropyl Ether	3.988	45	8193	0.535	ug/l		96
32) Ethyl-t-butyl ether	4.503	59	7049	0.448	ug/l		95
33) Tert-Amyl methyl ether	5.937	73	7462	0.504	ug/l		99
34) Propionitrile	4.798	54	196	0.488	ug/l	#	53
35) Benzene	5.773	78	9921	0.449	ug/l		97
36) 1,2-Dichloroethane	5.795	62	2970	0.468	ug/l	#	89
37) Trichloroethene	6.538	130	2901	0.486	ug/l		87
38) 1,2-Dichloropropane	6.789	63	2692	0.422	ug/l		97
39) Methacrylonitrile	4.991	41	533m	0.373	ug/l		
40) Methyl acrylate	4.901	55	827m	0.339	ug/l		
41) Tetrahydrofuran	5.065	42	698m	0.826	ug/l		
42) 1-Chlorobutane	5.454	56	4484	0.488	ug/l		94
43) Dibromomethane	6.917	93	1271	0.428	ug/l	#	48
44) Bromodichloromethane	7.097	83	3883	0.478	ug/l		86

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	7610	2.167 ug/l		96
46) t-1,4-Dichloro-2-butene	10.834	75	1006m	0.684 ug/l		
47) Methyl methacrylate	6.972	69	2284	0.820 ug/l	#	81
48) Ethyl methacrylate	8.329	69	2228	0.394 ug/l		82
49) Toluene	7.969	92	6650	0.472 ug/l		97
50) t-1,3-Dichloropropene	8.210	75	2967	0.412 ug/l		91
51) cis-1,3-Dichloropropene	7.609	75	3808	0.435 ug/l	#	90
52) 1,1,2-Trichloroethane	8.403	97	1928	0.431 ug/l	#	87
53) 1,3-Dichloropropane	8.576	76	3576	0.474 ug/l		95
54) 2-Hexanone	8.689	43	4777	1.952 ug/l		97
55) Dibromochloromethane	8.811	129	2180	0.408 ug/l		98
56) 1,2-Dibromoethane	8.924	107	1632	0.417 ug/l		94
58) Tetrachloroethene	8.554	164	2486	0.478 ug/l	#	83
59) Chlorobenzene	9.448	112	7584	0.451 ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.531	131	2413	0.407 ug/l		97
61) Pentachloroethane	11.425	117	2049	0.439 ug/l		91
62) Hexachloroethane	12.473	117	2130	0.444 ug/l		91
63) Ethyl Benzene	9.570	91	12662	0.442 ug/l		96
64) m/p-Xylenes	9.689	106	9818	0.907 ug/l		96
65) o-Xylene	10.100	106	4872	0.447 ug/l		98
66) Styrene	10.113	104	7442	0.425 ug/l		98
67) Bromoform	10.290	173	1185	0.411 ug/l	#	83
69) Isopropylbenzene	10.480	105	13104	0.443 ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.782	83	2351	0.421 ug/l	#	92
71) 1,2,3-Trichloropropane	10.824	75	1706m	0.434 ug/l		
72) Bromobenzene	10.782	156	3057	0.448 ug/l		97
73) n-propylbenzene	10.901	120	6200	0.780 ug/l		95
74) 2-Chlorotoluene	10.988	126	3151	0.455 ug/l		95
75) 1,3,5-Trimethylbenzene	11.088	105	10240	0.425 ug/l		100
76) 4-Chlorotoluene	11.097	126	2766	0.389 ug/l		76
77) tert-Butylbenzene	11.415	119	11439	0.461 ug/l		94
78) 1,2,4-Trimethylbenzene	11.467	105	10241	0.422 ug/l		97
79) sec-Butylbenzene	11.641	105	12830	0.398 ug/l		100
80) Nitrobenzene	13.235	77	323m	1.996 ug/l		
81) p-Isopropyltoluene	11.792	119	10029	0.382 ug/l		97
82) 1,3-Dichlorobenzene	11.747	146	6280	0.459 ug/l		97
83) 1,4-Dichlorobenzene	11.833	146	6138	0.448 ug/l		98
84) n-Butylbenzene	12.210	91	8651	0.358 ug/l		97
85) 1,2-Dichlorobenzene	12.206	146	5699	0.438 ug/l		95
87) 1,2,4-Trichlorobenzene	13.843	180	3485	0.418 ug/l		95
88) Hexachlorobutadiene	14.017	225	1726	0.387 ug/l		88
89) Naphthalene	14.094	128	5346	0.396 ug/l	#	91
90) 1,2,3-Trichlorobenzene	14.329	180	2920	0.405 ug/l		96

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

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