Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
Data File : VU054898.D
Acq On : 27 Jul 2023 16:53
Operator : MD/SY
Sample : RL-CHECK
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 28 06:40:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 28 06:40:03 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Manual Integrations APPROVED

Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.116	96	26667	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.630	95	8275	1.024	ug/l		0.00
Spiked Amount 1.000			Recovery = 102.000%				
68) 1,2-Dichlorobenzene-d4	12.193	152	8989	0.984	ug/l		0.00
Spiked Amount 1.000			Recovery = 98.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.383	85	1786	0.352	ug/l		98
3) Chloromethane	1.515	50	2761	0.484	ug/l		98
4) Vinyl Chloride	1.599	62	3808	0.500	ug/l		90
5) Bromomethane	1.849	94	3211	0.531	ug/l		83
6) Chloroethane	1.930	64	2955	0.375	ug/l		96
7) Trichlorofluoromethane	2.136	101	7037	0.393	ug/l		98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	2561	0.442	ug/l		95
9) 1,1-Dichloroethene	2.576	96	2302	0.500	ug/l		96
10) Iodomethane	2.721	142	2422	0.337	ug/l		95
11) Allyl Chloride	2.923	41	2447	0.445	ug/l		95
12) Acrylonitrile	3.335	53	1025m	0.887	ug/l		
13) Acetone	2.653	43	2763	2.288	ug/l	#	86
14) Carbon Disulfide	2.788	76	3477	0.436	ug/l	#	90
15) Methylene Chloride	3.036	84	5358	0.834	ug/l		90
16) trans-1,2-Dichloroethene	3.351	96	2513	0.501	ug/l		89
17) 1,1-Dichloroethane	3.865	63	4936	0.440	ug/l		97
18) 2-Butanone	4.759	43	3910m	2.567	ug/l		
19) Cyclohexane	5.386	56	2751	0.436	ug/l		91
20) Methylcyclohexane	6.759	83	3406	0.404	ug/l	#	78
21) 2,2-Dichloropropane	4.663	77	4174	0.402	ug/l		95
22) cis-1,2-Dichloroethene	4.672	96	2902	0.436	ug/l		88
23) Diethyl Ether	2.374	59	3418	0.503	ug/l		94
24) tert-Butyl Alcohol	3.216	59	2594m	4.105	ug/l		
25) Methyl tert-Butyl Ether	3.367	73	6800	0.477	ug/l		95
26) Bromochloromethane	4.971	128	1327	0.486	ug/l		89
27) Chloroform	5.087	83	5310	0.441	ug/l		96
28) 1,1,1-Trichloroethane	5.316	97	4610	0.443	ug/l		95
29) 1,1-Dichloropropene	5.528	75	3556	0.464	ug/l		89
30) Carbon Tetrachloride	5.525	117	3282	0.378	ug/l		96
31) Isopropyl Ether	3.991	45	7192	0.435	ug/l		89
32) Ethyl-t-butyl ether	4.502	59	7478m	0.439	ug/l		
33) Tert-Amyl methyl ether	5.939	73	8107	0.503	ug/l	#	94
34) Propionitrile	4.824	54	836m	1.990	ug/l		
35) Benzene	5.775	78	10243	0.426	ug/l		94
36) 1,2-Dichloroethane	5.791	62	3119	0.456	ug/l	#	83
37) Trichloroethene	6.547	130	3024	0.468	ug/l		99
38) 1,2-Dichloropropane	6.795	63	2952	0.435	ug/l	#	87
39) Methacrylonitrile	4.997	41	901m	0.535	ug/l		
40) Methyl acrylate	4.875	55	1369m	0.511	ug/l		
41) Tetrahydrofuran	5.084	42	969m	1.006	ug/l		
42) 1-Chlorobutane	5.457	56	4393	0.437	ug/l		97
43) Dibromomethane	6.920	93	1521	0.477	ug/l		94
44) Bromodichloromethane	7.103	83	4011	0.451	ug/l	#	94

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 28 06:40:03 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	8514	2.288 ug/l		95
46) t-1,4-Dichloro-2-butene	10.827	75	1412m	0.943 ug/l		
47) Methyl methacrylate	6.971	69	2713	0.931 ug/l	#	87
48) Ethyl methacrylate	8.338	69	2171	0.368 ug/l		80
49) Toluene	7.968	92	6621	0.433 ug/l		97
50) t-1,3-Dichloropropene	8.213	75	3010	0.382 ug/l		100
51) cis-1,3-Dichloropropene	7.605	75	4384	0.452 ug/l		95
52) 1,1,2-Trichloroethane	8.402	97	2307	0.456 ug/l	#	62
53) 1,3-Dichloropropane	8.579	76	3739	0.457 ug/l		99
54) 2-Hexanone	8.688	43	5185	1.961 ug/l		96
55) Dibromochloromethane	8.807	129	2617	0.452 ug/l		95
56) 1,2-Dibromoethane	8.923	107	2035	0.475 ug/l		100
58) Tetrachloroethene	8.550	164	2478	0.439 ug/l		96
59) Chlorobenzene	9.447	112	8393	0.452 ug/l		90
60) 1,1,1,2-Tetrachloroethane	9.528	131	1866m	0.285 ug/l		
61) Pentachloroethane	11.431	117	2145	0.419 ug/l		88
62) Hexachloroethane	12.476	117	1912	0.363 ug/l		89
63) Ethyl Benzene	9.573	91	13464	0.432 ug/l		90
64) m/p-Xylenes	9.695	106	10891	0.934 ug/l		86
65) o-Xylene	10.100	106	5067	0.423 ug/l		99
66) Styrene	10.119	104	7973	0.416 ug/l		98
67) Bromoform	10.293	173	1357	0.452 ug/l	#	63
69) Isopropylbenzene	10.483	105	13796	0.429 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.778	83	2763	0.442 ug/l	#	96
71) 1,2,3-Trichloropropane	10.827	75	2307m	0.518 ug/l		
72) Bromobenzene	10.782	156	3449	0.482 ug/l		97
73) n-propylbenzene	10.904	120	3573	0.415 ug/l		100
74) 2-Chlorotoluene	10.984	126	3408	0.458 ug/l		98
75) 1,3,5-Trimethylbenzene	11.087	105	11633	0.447 ug/l		96
76) 4-Chlorotoluene	11.103	126	3627	0.469 ug/l		92
77) tert-Butylbenzene	11.418	119	11502	0.425 ug/l		99
78) 1,2,4-Trimethylbenzene	11.466	105	10598	0.398 ug/l		100
79) sec-Butylbenzene	11.643	105	13933	0.396 ug/l		97
80) Nitrobenzene	13.232	77	265m	1.612 ug/l		
81) p-Isopropyltoluene	11.791	119	10428	0.375 ug/l		96
82) 1,3-Dichlorobenzene	11.746	146	7527	0.494 ug/l		98
83) 1,4-Dichlorobenzene	11.843	146	7762	0.511 ug/l		94
84) n-Butylbenzene	12.209	91	9531	0.382 ug/l		96
85) 1,2-Dichlorobenzene	12.209	146	6621	0.453 ug/l		95
87) 1,2,4-Trichlorobenzene	13.846	180	3772	0.405 ug/l		97
88) Hexachlorobutadiene	14.019	225	2171	0.437 ug/l		89
89) Naphthalene	14.090	128	6825	0.473 ug/l	#	97
90) 1,2,3-Trichlorobenzene	14.331	180	4763	0.576 ug/l		95

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

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