Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
Data File : VU053160.D
Acq On : 27 Feb 2023 19:24
Operator : JC/MD
Sample : RL CHECK
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 04:21:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 28 03:35:42 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
RL CHECK

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.109	96	24354	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.633	95	10274	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	8688	1.066	ug/l	0.00
Spiked Amount 1.000			Recovery = 107.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.386	85	5834	0.944	ug/l	98
3) Chloromethane	1.524	50	5434	0.853	ug/l	97
4) Vinyl Chloride	1.604	62	6200	0.914	ug/l	99
5) Bromomethane	1.858	94	3699	0.958	ug/l	99
6) Chloroethane	1.936	64	4139	1.005	ug/l	98
7) Trichlorofluoromethane	2.141	101	8444	0.865	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	5582	0.915	ug/l	99
9) 1,1-Dichloroethene	2.582	96	4819	0.909	ug/l	98
10) Iodomethane	2.727	142	4082	0.749	ug/l	97
11) Allyl Chloride	2.923	41	7714m	0.932	ug/l	
12) Acrylonitrile	3.325	53	2842	2.094	ug/l	88
13) Acetone	2.649	43	6360m	3.277	ug/l	
14) Carbon Disulfide	2.794	76	10920	0.898	ug/l #	95
15) Methylene Chloride	3.048	84	8352	1.102	ug/l	92
16) trans-1,2-Dichloroethene	3.354	96	5009	0.860	ug/l	97
17) 1,1-Dichloroethane	3.868	63	11777	0.924	ug/l	96
18) 2-Butanone	4.736	43	9550m	4.099	ug/l	
19) Cyclohexane	5.382	56	9002m	0.884	ug/l	
20) Methylcyclohexane	6.759	83	8729	0.893	ug/l	96
21) 2,2-Dichloropropane	4.665	77	10531	0.943	ug/l	97
22) cis-1,2-Dichloroethene	4.665	96	6496	0.903	ug/l	97
23) Diethyl Ether	2.376	59	3817	0.880	ug/l #	89
24) tert-Butyl Alcohol	3.276	59	5272m	10.346	ug/l	
25) Methyl tert-Butyl Ether	3.370	73	14653	0.951	ug/l	98
26) Bromochloromethane	4.974	128	2400	0.863	ug/l	94
27) Chloroform	5.087	83	11499	0.875	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	9822	0.890	ug/l	96
29) 1,1-Dichloropropene	5.521	75	7447	0.900	ug/l	96
30) Carbon Tetrachloride	5.521	117	6528	0.859	ug/l	87
31) Isopropyl Ether	3.990	45	17617	0.866	ug/l	86
32) Ethyl-t-butyl ether	4.505	59	16841	0.874	ug/l	95
33) Tert-Amyl methyl ether	5.945	73	14436	0.944	ug/l	96
34) Propionitrile	4.800	54	3035m	5.600	ug/l	
35) Benzene	5.771	78	21954	0.900	ug/l	98
36) 1,2-Dichloroethane	5.797	62	6608	0.906	ug/l	98
37) Trichloroethene	6.540	130	5003	0.893	ug/l	94
38) 1,2-Dichloropropane	6.791	63	6476	0.918	ug/l	90
39) Methacrylonitrile	4.984	41	2614m	1.131	ug/l	
40) Methyl acrylate	4.852	55	3294	0.922	ug/l #	94
41) Tetrahydrofuran	5.074	42	2707	2.388	ug/l #	69
42) 1-Chlorobutane	5.456	56	10674	0.927	ug/l	96
43) Dibromomethane	6.916	93	2609	0.834	ug/l	96
44) Bromodichloromethane	7.103	83	7707	0.901	ug/l	96

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 28 03:35:42 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	18255	4.780	ug/l		100
46) t-1,4-Dichloro-2-butene	10.826	75	3896m	2.024	ug/l		
47) Methyl methacrylate	6.968	69	6089	1.891	ug/l		95
48) Ethyl methacrylate	8.334	69	6554	0.992	ug/l		99
49) Toluene	7.968	92	13314	0.886	ug/l		93
50) t-1,3-Dichloropropene	8.209	75	7458	0.897	ug/l		92
51) cis-1,3-Dichloropropene	7.607	75	8995	0.893	ug/l		94
52) 1,1,2-Trichloroethane	8.398	97	4125	0.898	ug/l		93
53) 1,3-Dichloropropane	8.575	76	7620	0.925	ug/l		98
54) 2-Hexanone	8.691	43	12718	3.908	ug/l		98
55) Dibromochloromethane	8.810	129	4541	0.866	ug/l		96
56) 1,2-Dibromoethane	8.922	107	4015	0.984	ug/l		99
58) Tetrachloroethene	8.553	164	4485	1.004	ug/l		85
59) Chlorobenzene	9.447	112	15886	0.945	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.530	131	4880	0.879	ug/l		96
61) Pentachloroethane	11.424	117	4237	0.878	ug/l		91
62) Hexachloroethane	12.472	117	4077	0.767	ug/l		98
63) Ethyl Benzene	9.569	91	28585	0.922	ug/l		100
64) m/p-Xylenes	9.691	106	20052	1.783	ug/l		95
65) o-Xylene	10.099	106	10103	0.879	ug/l		97
66) Styrene	10.115	104	16455	0.904	ug/l		99
67) Bromoform	10.292	173	2118	0.831	ug/l	#	91
69) Isopropylbenzene	10.482	105	27239	0.885	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.781	83	5807	0.938	ug/l		89
71) 1,2,3-Trichloropropane	10.826	75	5364m	1.007	ug/l		
72) Bromobenzene	10.778	156	5421	0.908	ug/l		96
73) n-propylbenzene	10.903	120	7306	0.895	ug/l		96
74) 2-Chlorotoluene	10.983	126	6092	0.901	ug/l		96
75) 1,3,5-Trimethylbenzene	11.083	105	23125	0.903	ug/l		99
76) 4-Chlorotoluene	11.096	126	6522	0.918	ug/l		85
77) tert-Butylbenzene	11.418	119	22082	0.880	ug/l		99
78) 1,2,4-Trimethylbenzene	11.466	105	23191	0.889	ug/l		94
79) sec-Butylbenzene	11.639	105	31534	0.906	ug/l		99
80) Nitrobenzene	13.221	77	1146m	3.541	ug/l		
81) p-Isopropyltoluene	11.791	119	23460	0.851	ug/l		98
82) 1,3-Dichlorobenzene	11.742	146	12615	0.962	ug/l		97
83) 1,4-Dichlorobenzene	11.832	146	12859	0.961	ug/l		99
84) n-Butylbenzene	12.205	91	24846	0.870	ug/l		99
85) 1,2-Dichlorobenzene	12.212	146	11696	0.936	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	864	1.104	ug/l		94
87) 1,2,4-Trichlorobenzene	13.839	180	7009	0.914	ug/l		96
88) Hexachlorobutadiene	14.015	225	3167	0.845	ug/l		95
89) Naphthalene	14.086	128	15460	0.947	ug/l		99
90) 1,2,3-Trichlorobenzene	14.327	180	6067	0.899	ug/l		100

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

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