Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
Data File : VU053159.D
Acq On : 27 Feb 2023 18:52
Operator : JC/MD
Sample : RL CHECK
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 04:20:46 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	25501	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.630	95	10303	0.957	ug/l		0.00
Spiked Amount 1.000			Recovery = 96.000%				
68) 1,2-Dichlorobenzene-d4	12.189	152	8613	1.009	ug/l		0.00
Spiked Amount 1.000			Recovery = 101.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.386	85	2477	0.383	ug/l		92
3) Chloromethane	1.521	50	2812	0.422	ug/l		99
4) Vinyl Chloride	1.605	62	3086	0.435	ug/l		98
5) Bromomethane	1.862	94	1853	0.458	ug/l		92
6) Chloroethane	1.936	64	1967	0.456	ug/l		99
7) Trichlorofluoromethane	2.138	101	4190	0.410	ug/l		91
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	2406	0.376	ug/l		94
9) 1,1-Dichloroethene	2.585	96	2342	0.422	ug/l		96
10) Iodomethane	2.727	142	1890	0.331	ug/l		94
11) Allyl Chloride	2.926	41	3753	0.433	ug/l		96
12) Acrylonitrile	3.328	53	1331	0.936	ug/l	#	65
13) Acetone	2.662	43	4276m	2.104	ug/l		
14) Carbon Disulfide	2.794	76	5193	0.408	ug/l	#	90
15) Methylene Chloride	3.048	84	6806	0.858	ug/l		98
16) trans-1,2-Dichloroethene	3.350	96	2548	0.418	ug/l		96
17) 1,1-Dichloroethane	3.865	63	5305	0.397	ug/l	#	80
18) 2-Butanone	4.730	43	4916m	2.015	ug/l		
19) Cyclohexane	5.383	56	4285m	0.402	ug/l		
20) Methylcyclohexane	6.755	83	4183	0.409	ug/l		97
21) 2,2-Dichloropropane	4.666	77	5342	0.457	ug/l		94
22) cis-1,2-Dichloroethene	4.666	96	3305	0.439	ug/l		96
23) Diethyl Ether	2.376	59	2017	0.444	ug/l	#	83
24) tert-Butyl Alcohol	3.280	59	2385m	4.470	ug/l		
25) Methyl tert-Butyl Ether	3.370	73	6560	0.406	ug/l	#	72
26) Bromochloromethane	4.977	128	997	0.342	ug/l		95
27) Chloroform	5.087	83	5724	0.416	ug/l		90
28) 1,1,1-Trichloroethane	5.309	97	4558	0.394	ug/l		95
29) 1,1-Dichloropropene	5.524	75	3380	0.390	ug/l	#	88
30) Carbon Tetrachloride	5.521	117	3209	0.403	ug/l		92
31) Isopropyl Ether	4.000	45	8974	0.421	ug/l		100
32) Ethyl-t-butyl ether	4.505	59	8597	0.426	ug/l		96
33) Tert-Amyl methyl ether	5.945	73	6465	0.404	ug/l	#	93
34) Propionitrile	4.804	54	1373	2.419	ug/l	#	70
35) Benzene	5.772	78	10265	0.402	ug/l		97
36) 1,2-Dichloroethane	5.797	62	3047	0.399	ug/l	#	85
37) Trichloroethene	6.540	130	2693	0.459	ug/l		90
38) 1,2-Dichloropropane	6.788	63	3022	0.409	ug/l		97
39) Methacrylonitrile	4.987	41	1303m	0.538	ug/l		
40) Methyl acrylate	4.852	55	2152m	0.575	ug/l		
41) Tetrahydrofuran	5.055	42	349	0.294	ug/l	#	68
42) 1-Chlorobutane	5.457	56	4986	0.414	ug/l		94
43) Dibromomethane	6.923	93	1263	0.386	ug/l		96
44) Bromodichloromethane	7.106	83	3725	0.416	ug/l	#	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	8998	2.250	ug/l		99
46) t-1,4-Dichloro-2-butene	10.836	75	1567m	0.778	ug/l		
47) Methyl methacrylate	6.971	69	3152	0.935	ug/l		96
48) Ethyl methacrylate	8.337	69	2970	0.429	ug/l		99
49) Toluene	7.968	92	6518	0.414	ug/l		98
50) t-1,3-Dichloropropene	8.212	75	3596	0.413	ug/l		92
51) cis-1,3-Dichloropropene	7.611	75	4258	0.404	ug/l	#	91
52) 1,1,2-Trichloroethane	8.399	97	2055	0.427	ug/l	#	90
53) 1,3-Dichloropropane	8.572	76	3665	0.425	ug/l		99
54) 2-Hexanone	8.694	43	6280	1.843	ug/l		92
55) Dibromochloromethane	8.807	129	2012	0.367	ug/l		88
56) 1,2-Dibromoethane	8.919	107	1704	0.399	ug/l		91
58) Tetrachloroethene	8.550	164	1981	0.424	ug/l		93
59) Chlorobenzene	9.447	112	7551	0.429	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.534	131	2612	0.449	ug/l		92
61) Pentachloroethane	11.424	117	1880	0.372	ug/l		90
62) Hexachloroethane	12.472	117	1897	0.341	ug/l		92
63) Ethyl Benzene	9.569	91	13595	0.419	ug/l		91
64) m/p-Xylenes	9.691	106	9931	0.843	ug/l		99
65) o-Xylene	10.099	106	4874	0.405	ug/l		99
66) Styrene	10.116	104	8097	0.425	ug/l		97
67) Bromoform	10.292	173	1007	0.377	ug/l	#	91
69) Isopropylbenzene	10.482	105	12864	0.399	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.778	83	2525	0.389	ug/l	#	92
71) 1,2,3-Trichloropropane	10.823	75	2072m	0.371	ug/l		
72) Bromobenzene	10.781	156	2688	0.430	ug/l		94
73) n-propylbenzene	10.903	120	3307	0.387	ug/l		87
74) 2-Chlorotoluene	10.984	126	2987	0.422	ug/l		99
75) 1,3,5-Trimethylbenzene	11.083	105	10755	0.401	ug/l		98
76) 4-Chlorotoluene	11.096	126	2981	0.401	ug/l		90
77) tert-Butylbenzene	11.418	119	10702	0.407	ug/l		99
78) 1,2,4-Trimethylbenzene	11.466	105	11109	0.407	ug/l		99
79) sec-Butylbenzene	11.640	105	14848	0.407	ug/l		97
80) Nitrobenzene	13.221	77	543	1.602	ug/l	#	44
81) p-Isopropyltoluene	11.791	119	11620	0.402	ug/l		96
82) 1,3-Dichlorobenzene	11.746	146	5604	0.408	ug/l		99
83) 1,4-Dichlorobenzene	11.836	146	6229	0.445	ug/l		100
84) n-Butylbenzene	12.205	91	13007	0.435	ug/l		94
85) 1,2-Dichlorobenzene	12.209	146	5270	0.403	ug/l		95
86) 1,2-Dibromo-3-Chloropr...	13.000	75	321	0.649	ug/l		94
87) 1,2,4-Trichlorobenzene	13.839	180	3491	0.435	ug/l		97
88) Hexachlorobutadiene	14.022	225	1717	0.438	ug/l	#	82
89) Naphthalene	14.086	128	8239	0.482	ug/l		97
90) 1,2,3-Trichlorobenzene	14.331	180	3213	0.455	ug/l	#	96

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

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