

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052796.D
 Acq On : 24 Jan 2023 17:42
 Operator : JC/MD
 Sample : RL CHECK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL CHECK

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/31/2023
 Supervised By :Mahesh Dadoda 01/31/2023

Quant Time: Jan 25 01:40:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.112	96	34902	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	10396	0.895	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	11943	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	9774	0.827	ug/l	99
3) Chloromethane	1.520	50	9295	0.829	ug/l	95
4) Vinyl Chloride	1.604	62	8987	0.830	ug/l	100
5) Bromomethane	1.858	94	5120	0.910	ug/l	98
6) Chloroethane	1.935	64	5639	0.866	ug/l	97
7) Trichlorofluoromethane	2.137	101	13387	0.849	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	7223	0.838	ug/l	99
9) 1,1-Dichloroethene	2.578	96	7025	0.863	ug/l	93
10) Iodomethane	2.723	142	7758	0.861	ug/l	94
11) Allyl Chloride	2.922	41	7945	0.816	ug/l	98
12) Acrylonitrile	3.324	53	3302	1.912	ug/l	# 87
13) Acetone	2.655	43	11744	4.795	ug/l	97
14) Carbon Disulfide	2.790	76	21596	0.792	ug/l	98
15) Methylene Chloride	3.041	84	9074	0.922	ug/l	99
16) trans-1,2-Dichloroethene	3.353	96	7683	0.848	ug/l	95
17) 1,1-Dichloroethane	3.864	63	13482	0.881	ug/l	98
18) 2-Butanone	4.732	43	13299	4.674	ug/l	99
19) Cyclohexane	5.382	56	10936m	0.813	ug/l	
20) Methylcyclohexane	6.758	83	9913	0.660	ug/l	96
21) 2,2-Dichloropropane	4.661	77	12473	0.878	ug/l	97
22) cis-1,2-Dichloroethene	4.661	96	8505	0.898	ug/l	99
23) Diethyl Ether	2.379	59	5138	0.892	ug/l	97
24) tert-Butyl Alcohol	3.340	59	6856m	9.890	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	16975	0.909	ug/l	95
26) Bromochloromethane	4.973	128	3635	0.822	ug/l	97
27) Chloroform	5.083	83	16318	0.995	ug/l	99
28) 1,1,1-Trichloroethane	5.311	97	13800	0.911	ug/l	99
29) 1,1-Dichloropropene	5.520	75	10106	0.791	ug/l	92
30) Carbon Tetrachloride	5.517	117	11409	0.830	ug/l	98
31) Isopropyl Ether	3.999	45	19123	0.869	ug/l	98
32) Ethyl-t-butyl ether	4.510	59	17926	0.873	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	15380	0.847	ug/l	99
34) Propionitrile	4.822	54	2733m	4.195	ug/l	
35) Benzene	5.771	78	30396	0.820	ug/l	97
36) 1,2-Dichloroethane	5.793	62	10018	0.900	ug/l	# 94
37) Trichloroethene	6.539	130	8424	0.834	ug/l	97
38) 1,2-Dichloropropane	6.790	63	7683	0.817	ug/l	97
39) Methacrylonitrile	4.989	41	2534m	0.974	ug/l	
40) Methyl acrylate	4.851	55	4287	0.929	ug/l	# 77
41) Tetrahydrofuran	5.073	42	2358	1.822	ug/l	89
42) 1-Chlorobutane	5.456	56	13917	0.852	ug/l	99
43) Dibromomethane	6.919	93	4152	0.873	ug/l	98
44) Bromodichloromethane	7.105	83	11038	0.855	ug/l	96

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45) 4-Methyl-2-Pentanone	7.800	43	18844	3.769	ug/l	95
46) t-1,4-Dichloro-2-butene	10.828	75	4177m	1.593	ug/l	
47) Methyl methacrylate	6.967	69	5599	1.324	ug/l #	90
48) Ethyl methacrylate	8.337	69	5543	0.723	ug/l	96
49) Toluene	7.967	92	16489	0.733	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	8410	0.747	ug/l #	87
51) cis-1,3-Dichloropropene	7.607	75	10063	0.760	ug/l	98
52) 1,1,2-Trichloroethane	8.398	97	5525	0.817	ug/l	94
53) 1,3-Dichloropropane	8.574	76	9221	0.788	ug/l	96
54) 2-Hexanone	8.690	43	14974	3.423	ug/l	93
55) Dibromochloromethane	8.809	129	7284	0.823	ug/l	97
56) 1,2-Dibromoethane	8.925	107	5014	0.778	ug/l	91
58) Tetrachloroethene	8.549	164	7483	0.821	ug/l	96
59) Chlorobenzene	9.446	112	18742	0.766	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.529	131	8411	0.888	ug/l	95
61) Pentachloroethane	11.426	117	7038	0.907	ug/l	91
62) Hexachloroethane	12.471	117	6333	0.807	ug/l	100
63) Ethyl Benzene	9.568	91	26322	0.664	ug/l	99
64) m/p-Xylenes	9.690	106	20694	1.309	ug/l	99
65) o-Xylene	10.099	106	10543	0.691	ug/l	98
66) Styrene	10.111	104	17034	0.975	ug/l	97
67) Bromoform	10.285	173	4430	0.848	ug/l #	98
69) Isopropylbenzene	10.481	105	27196	0.700	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.777	83	7555	0.896	ug/l	93
71) 1,2,3-Trichloropropane	10.828	75	6965m	0.954	ug/l	
72) Bromobenzene	10.780	156	7816	0.793	ug/l	95
73) n-propylbenzene	10.902	120	6918	0.945	ug/l	91
74) 2-Chlorotoluene	10.983	126	7567	0.772	ug/l	87
75) 1,3,5-Trimethylbenzene	11.086	105	21441	0.935	ug/l	98
76) 4-Chlorotoluene	11.095	126	7007	0.696	ug/l	96
77) tert-Butylbenzene	11.417	119	23876	0.707	ug/l	99
78) 1,2,4-Trimethylbenzene	11.462	105	22146	0.973	ug/l	99
79) sec-Butylbenzene	11.639	105	28478	0.950	ug/l	98
80) Nitrobenzene	13.208	77	1785	3.419	ug/l #	86
81) p-Isopropyltoluene	11.790	119	23430	0.975	ug/l	100
82) 1,3-Dichlorobenzene	11.742	146	16002	0.795	ug/l	98
83) 1,4-Dichlorobenzene	11.835	146	15218	0.753	ug/l	99
84) n-Butylbenzene	12.205	91	19829	1.023	ug/l	97
85) 1,2-Dichlorobenzene	12.211	146	14817	0.780	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.989	75	1270	0.813	ug/l	90
87) 1,2,4-Trichlorobenzene	13.838	180	8382	0.736	ug/l	96
88) Hexachlorobutadiene	14.018	225	6951	0.870	ug/l	95
89) Naphthalene	14.082	128	18446	0.835	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	11196	1.035	ug/l	99

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

