

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053791.D
 Acq On : 19 Apr 2023 20:14
 Operator : JC/MD
 Sample : 02213-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

Quant Time: Apr 21 10:05:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 21 09:18:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/08/2023
 Supervised By :Mahesh Dadoda 06/08/2023

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

Internal Standards						
1) Fluorobenzene	6.108	96	28787	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	9705	0.860	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	11058	0.824	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	1756	0.201	ug/l	97
3) Chloromethane	1.523	50	2303	0.293	ug/l	95
4) Vinyl Chloride	1.601	62	1964	0.216	ug/l	98
5) Bromomethane	1.848	94	1807	0.264	ug/l	97
6) Chloroethane	1.928	64	1237	0.213	ug/l #	81
7) Trichlorofluoromethane	2.137	101	3134	0.205	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	2738	0.276	ug/l #	92
9) 1,1-Dichloroethene	2.578	96	1813	0.223	ug/l	80
10) Iodomethane	2.723	142	1930	0.218	ug/l	94
11) Allyl Chloride	2.912	41	2201	0.228	ug/l	86
12) Acrylonitrile	3.311	53	886	0.436	ug/l #	85
13) Acetone	2.617	43	2242	0.789	ug/l #	75
14) Carbon Disulfide	2.787	76	2666	0.200	ug/l #	82
15) Methylene Chloride	3.041	84	5160	0.433	ug/l	86
16) trans-1,2-Dichloroethene	3.350	96	1899	0.216	ug/l #	77
17) 1,1-Dichloroethane	3.864	63	4170	0.230	ug/l #	83
18) 2-Butanone	4.710	43	3190	0.866	ug/l	87
19) Cyclohexane	5.369	56	2679m	0.213	ug/l	
20) Methylcyclohexane	6.755	83	1993	0.177	ug/l	92
21) 2,2-Dichloropropane	4.658	77	4053	0.246	ug/l	94
22) cis-1,2-Dichloroethene	4.661	96	2522	0.229	ug/l	93
23) Diethyl Ether	2.372	59	1280	0.213	ug/l #	78
24) tert-Butyl Alcohol	3.179	59	2328	2.851	ug/l #	1
25) Methyl tert-Butyl Ether	3.366	73	5364	0.236	ug/l #	87
26) Bromochloromethane	4.964	128	1030	0.212	ug/l	86
27) Chloroform	5.083	83	4567	0.233	ug/l	83
28) 1,1,1-Trichloroethane	5.305	97	3603	0.222	ug/l	98
29) 1,1-Dichloropropene	5.517	75	2027	0.196	ug/l	97
30) Carbon Tetrachloride	5.514	117	2359	0.203	ug/l	93
31) Isopropyl Ether	3.993	45	7696	0.293	ug/l	87
32) Ethyl-t-butyl ether	4.507	59	5964	0.225	ug/l	90
33) Tert-Amyl methyl ether	5.951	73	4267	0.220	ug/l #	81
34) Propionitrile	4.777	54	917	1.114	ug/l #	17
35) Benzene	5.768	78	6603	0.207	ug/l	95
36) 1,2-Dichloroethane	5.796	62	1865	0.187	ug/l	99
37) Trichloroethene	6.539	130	1880	0.208	ug/l	89
38) 1,2-Dichloropropane	6.787	63	1879	0.207	ug/l	95
39) Methacrylonitrile	4.957	41	815m	0.248	ug/l	
40) Methyl acrylate	4.848	55	1435	0.264	ug/l #	84
41) Tetrahydrofuran	5.067	42	971	0.596	ug/l #	69
42) 1-Chlorobutane	5.449	56	3079	0.218	ug/l	99
43) Dibromomethane	6.915	93	812	0.177	ug/l #	79
44) Bromodichloromethane	7.105	83	2298	0.198	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	4042	0.865	ug/l	97
46) t-1,4-Dichloro-2-butene	10.832	75	800m	0.412	ug/l	
47) Methyl methacrylate	6.973	69	1499	0.371	ug/l #	64
48) Ethyl methacrylate	8.337	69	1313	0.166	ug/l #	53
49) Toluene	7.967	92	3999	0.199	ug/l	90
50) t-1,3-Dichloropropene	8.211	75	1829	0.176	ug/l	92
51) cis-1,3-Dichloropropene	7.607	75	2392	0.192	ug/l	90
52) 1,1,2-Trichloroethane	8.404	97	1473	0.202	ug/l #	89
53) 1,3-Dichloropropane	8.574	76	2365	0.207	ug/l	96
54) 2-Hexanone	8.690	43	2796	0.638	ug/l	97
55) Dibromochloromethane	8.806	129	1627	0.212	ug/l #	79
56) 1,2-Dibromoethane	8.922	107	1128	0.179	ug/l	90
58) Tetrachloroethene	8.555	164	1587	0.182	ug/l #	81
59) Chlorobenzene	9.446	112	4655	0.187	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.536	131	1495	0.166	ug/l	92
61) Pentachloroethane	11.426	117	1187	0.171	ug/l	87
62) Hexachloroethane	12.478	117	1152	0.170	ug/l	86
63) Ethyl Benzene	9.565	91	7261	0.184	ug/l	99
64) m/p-Xylenes	9.690	106	4803	0.309	ug/l	97
65) o-Xylene	10.095	106	2769	0.177	ug/l	88
66) Styrene	10.115	104	3774	0.152	ug/l	91
67) Bromoform	10.285	173	419	0.105	ug/l #	68
69) Isopropylbenzene	10.481	105	6340	0.155	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.780	83	1871	0.199	ug/l #	97
71) 1,2,3-Trichloropropane	10.819	75	1028m	0.152	ug/l	
72) Bromobenzene	10.780	156	1873	0.178	ug/l	94
73) n-propylbenzene	10.902	120	3417	0.301	ug/l	83
74) 2-Chlorotoluene	10.986	126	1829	0.170	ug/l	100
75) 1,3,5-Trimethylbenzene	11.086	105	5053	0.142	ug/l #	84
76) 4-Chlorotoluene	11.095	126	1838	0.168	ug/l	86
77) tert-Butylbenzene	11.417	119	6012	0.167	ug/l	94
78) 1,2,4-Trimethylbenzene	11.465	105	5483	0.151	ug/l	100
79) sec-Butylbenzene	11.642	105	7480	0.155	ug/l	99
80) Nitrobenzene	13.214	77	20	0.067	ug/l #	40
81) p-Isopropyltoluene	11.790	119	5517	0.140	ug/l	98
82) 1,3-Dichlorobenzene	11.745	146	3930	0.175	ug/l	96
83) 1,4-Dichlorobenzene	11.835	146	3981	0.178	ug/l	93
84) n-Butylbenzene	12.205	91	5520	0.387	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	3456	0.158	ug/l	88
86) 1,2-Dibromo-3-Chloropr...	12.999	75	245	0.185	ug/l #	41
87) 1,2,4-Trichlorobenzene	13.844	180	2499	0.172	ug/l	92
88) Hexachlorobutadiene	14.018	225	1068	0.138	ug/l	94
89) Naphthalene	14.089	128	4237	0.167	ug/l #	89
90) 1,2,3-Trichlorobenzene	14.330	180	2105	0.153	ug/l #	90

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

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