

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
 Data File : VU053829.D
 Acq On : 21 Apr 2023 17:06
 Operator : JC/MD
 Sample : 02213-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Quant Time: Apr 22 03:20:35 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 04/28/2023
 Supervised By :Mahesh Dadoda 04/28/2023

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

Internal Standards						
1) Fluorobenzene	6.112	96	31380	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	10744	0.873	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	12600	0.861	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	2071	0.218	ug/l	93
3) Chloromethane	1.520	50	2234	0.261	ug/l	94
4) Vinyl Chloride	1.607	62	2240	0.226	ug/l	94
5) Bromomethane	1.858	94	1867	0.251	ug/l	86
6) Chloroethane	1.932	64	1669	0.263	ug/l	95
7) Trichlorofluoromethane	2.137	101	3715	0.223	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	2765	0.255	ug/l #	93
9) 1,1-Dichloroethene	2.581	96	1726	0.195	ug/l	69
10) Iodomethane	2.719	142	1652	0.171	ug/l	98
11) Allyl Chloride	2.922	41	1918	0.182	ug/l	93
12) Acrylonitrile	3.334	53	439	0.198	ug/l #	72
13) Acetone	2.652	43	2385	0.770	ug/l	91
14) Carbon Disulfide	2.793	76	3159	0.217	ug/l	99
15) Methylene Chloride	3.044	84	4833	0.372	ug/l	88
16) trans-1,2-Dichloroethene	3.356	96	2293	0.239	ug/l #	75
17) 1,1-Dichloroethane	3.864	63	3794	0.192	ug/l #	93
18) 2-Butanone	4.732	43	2671m	0.665	ug/l	
19) Cyclohexane	5.382	56	2384m	0.174	ug/l	
20) Methylcyclohexane	6.755	83	2638	0.215	ug/l	91
21) 2,2-Dichloropropane	4.665	77	3508	0.195	ug/l #	78
22) cis-1,2-Dichloroethene	4.668	96	2343	0.195	ug/l	57
23) Diethyl Ether	2.379	59	1359	0.208	ug/l #	86
24) tert-Butyl Alcohol	3.195	59	1984m	2.229	ug/l	
25) Methyl tert-Butyl Ether	3.362	73	4685	0.189	ug/l	97
26) Bromochloromethane	4.973	128	927	0.175	ug/l	80
27) Chloroform	5.086	83	4434	0.208	ug/l	88
28) 1,1,1-Trichloroethane	5.314	97	3477	0.196	ug/l	93
29) 1,1-Dichloropropene	5.526	75	2266	0.201	ug/l	98
30) Carbon Tetrachloride	5.517	117	2857	0.226	ug/l	98
31) Isopropyl Ether	3.986	45	5202	0.182	ug/l	97
32) Ethyl-t-butyl ether	4.507	59	5185	0.179	ug/l	93
33) Tert-Amyl methyl ether	5.938	73	4424	0.209	ug/l #	85
34) Propionitrile	4.822	54	385m	0.429	ug/l	
35) Benzene	5.777	78	7916	0.228	ug/l	98
36) 1,2-Dichloroethane	5.796	62	2398	0.220	ug/l #	93
37) Trichloroethene	6.539	130	2455	0.249	ug/l	92
38) 1,2-Dichloropropane	6.793	63	2243	0.227	ug/l #	78
39) Methacrylonitrile	4.980	41	375m	0.105	ug/l	
41) Tetrahydrofuran	5.079	42	186	0.105	ug/l #	81
42) 1-Chlorobutane	5.459	56	3253	0.212	ug/l	93
43) Dibromomethane	6.925	93	1049	0.209	ug/l	90
44) Bromodichloromethane	7.102	83	2785	0.221	ug/l #	89
45) 4-Methyl-2-Pentanone	7.790	43	5378	1.056	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.832	75	778m	0.368	ug/l	
47) Methyl methacrylate	6.970	69	1662	0.378	ug/l #	91
48) Ethyl methacrylate	8.337	69	1461	0.169	ug/l	95
49) Toluene	7.967	92	4911	0.225	ug/l	93
50) t-1,3-Dichloropropene	8.208	75	2392	0.211	ug/l #	81
51) cis-1,3-Dichloropropene	7.610	75	2847	0.210	ug/l	97
52) 1,1,2-Trichloroethane	8.398	97	1959	0.246	ug/l #	88
53) 1,3-Dichloropropane	8.575	76	2740	0.220	ug/l	97
54) 2-Hexanone	8.684	43	4225	0.884	ug/l	88
55) Dibromochloromethane	8.809	129	1673	0.200	ug/l	94
56) 1,2-Dibromoethane	8.922	107	1634	0.238	ug/l	93
58) Tetrachloroethene	8.549	164	2291	0.240	ug/l	91
59) Chlorobenzene	9.446	112	6545	0.241	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.533	131	1772	0.181	ug/l	95
61) Pentachloroethane	11.417	117	1506	0.199	ug/l	95
62) Hexachloroethane	12.471	117	1349	0.183	ug/l	95
63) Ethyl Benzene	9.568	91	9136	0.213	ug/l	89
64) m/p-Xylenes	9.693	106	7154	0.423	ug/l	95
65) o-Xylene	10.095	106	3927	0.230	ug/l	91
66) Styrene	10.118	104	5800	0.214	ug/l	99
67) Bromoform	10.291	173	803	0.185	ug/l #	92
69) Isopropylbenzene	10.481	105	9715	0.218	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.780	83	1948	0.190	ug/l #	94
71) 1,2,3-Trichloropropane	10.822	75	1056m	0.143	ug/l	
72) Bromobenzene	10.780	156	2185	0.191	ug/l	80
73) n-propylbenzene	10.902	120	3252	0.263	ug/l	91
74) 2-Chlorotoluene	10.983	126	2350	0.201	ug/l	99
75) 1,3,5-Trimethylbenzene	11.082	105	7722	0.198	ug/l	98
76) 4-Chlorotoluene	11.102	126	2413	0.202	ug/l	99
77) tert-Butylbenzene	11.417	119	7618	0.195	ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	7831	0.197	ug/l	98
79) sec-Butylbenzene	11.639	105	10087	0.192	ug/l	93
80) Nitrobenzene	13.224	77	195	0.602	ug/l #	40
81) p-Isopropyltoluene	11.790	119	8341	0.193	ug/l	97
82) 1,3-Dichlorobenzene	11.745	146	5906	0.242	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	6323	0.259	ug/l	96
84) n-Butylbenzene	12.208	91	9424	0.471	ug/l	95
85) 1,2-Dichlorobenzene	12.208	146	5843	0.244	ug/l	94
86) 1,2-Dibromo-3-Chloropr...	12.992	75	141	0.098	ug/l #	31
87) 1,2,4-Trichlorobenzene	13.841	180	4900	0.310	ug/l	99
88) Hexachlorobutadiene	14.018	225	2069	0.245	ug/l	92
89) Naphthalene	14.089	128	8849	0.319	ug/l #	92
90) 1,2,3-Trichlorobenzene	14.327	180	4813	0.320	ug/l	99

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

