

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
 Data File : VU053149.D
 Acq On : 27 Feb 2023 11:37
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 28 01:54:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 28 01:52:21 2023
 Response via : Initial Calibration

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	28375	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11598	0.969	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9230	0.972	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	35625	4.946	ug/l	97
3) Chloromethane	1.521	50	35291	4.755	ug/l	99
4) Vinyl Chloride	1.604	62	38410	4.861	ug/l	99
5) Bromomethane	1.855	94	21564	4.794	ug/l	95
6) Chloroethane	1.932	64	24516	5.108	ug/l	96
7) Trichlorofluoromethane	2.138	101	54088	4.755	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	34327	4.827	ug/l	98
9) 1,1-Dichloroethene	2.582	96	29338	4.749	ug/l	94
10) Iodomethane	2.720	142	31898	5.020	ug/l	100
11) Allyl Chloride	2.919	41	45207	4.688	ug/l	98
12) Acrylonitrile	3.309	53	14717	9.284	ug/l	98
13) Acetone	2.620	43	52905	23.400	ug/l	100
14) Carbon Disulfide	2.791	76	67803	4.785	ug/l	100
15) Methylene Chloride	3.042	84	38372	4.346	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	33508	4.935	ug/l	96
17) 1,1-Dichloroethane	3.865	63	71658	4.824	ug/l	99
18) 2-Butanone	4.707	43	65444	24.110	ug/l	99
19) Cyclohexane	5.382	56	57729m	4.872	ug/l	
20) Methylcyclohexane	6.759	83	55243	4.851	ug/l	99
21) 2,2-Dichloropropane	4.659	77	64794	4.978	ug/l	100
22) cis-1,2-Dichloroethene	4.662	96	42044	5.018	ug/l	98
23) Diethyl Ether	2.376	59	24392	4.826	ug/l	97
24) tert-Butyl Alcohol	3.180	59	26965	45.419	ug/l	96
25) Methyl tert-Butyl Ether	3.363	73	87634	4.880	ug/l	98
26) Bromochloromethane	4.971	128	16655	5.140	ug/l	90
27) Chloroform	5.083	83	75085	4.906	ug/l	100
28) 1,1,1-Trichloroethane	5.308	97	64937	5.051	ug/l	98
29) 1,1-Dichloropropene	5.517	75	48535	5.037	ug/l	99
30) Carbon Tetrachloride	5.517	117	45817	5.175	ug/l	97
31) Isopropyl Ether	3.993	45	113988	4.810	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	112420	5.005	ug/l	99
33) Tert-Amyl methyl ether	5.942	73	90652	5.086	ug/l	100
34) Propionitrile	4.778	54	14437	22.863	ug/l #	97
35) Benzene	5.768	78	142909	5.026	ug/l	100
36) 1,2-Dichloroethane	5.794	62	41574	4.892	ug/l	98
37) Trichloroethene	6.537	130	32214	4.938	ug/l	97
38) 1,2-Dichloropropane	6.787	63	39921	4.855	ug/l	99
39) Methacrylonitrile	4.974	41	12262	4.542	ug/l	94
40) Methyl acrylate	4.845	55	19705	4.733	ug/l #	96
41) Tetrahydrofuran	5.061	42	11987	9.076	ug/l	96
42) 1-Chlorobutane	5.453	56	67081	5.001	ug/l	98
43) Dibromomethane	6.916	93	17665	4.847	ug/l	98
44) Bromodichloromethane	7.103	83	49615	4.977	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	105993	23.820	ug/l	99
46) t-1,4-Dichloro-2-butene	10.829	75	20473m	9.130	ug/l	
47) Methyl methacrylate	6.961	69	36408	9.705	ug/l	97
48) Ethyl methacrylate	8.334	69	38600	5.014	ug/l	100
49) Toluene	7.964	92	84974	4.853	ug/l	95
50) t-1,3-Dichloropropene	8.209	75	47454	4.900	ug/l	99
51) cis-1,3-Dichloropropene	7.604	75	57175	4.871	ug/l	97
52) 1,1,2-Trichloroethane	8.398	97	26319	4.916	ug/l	95
53) 1,3-Dichloropropane	8.572	76	47034	4.901	ug/l	99
54) 2-Hexanone	8.685	43	91627	24.168	ug/l	99
55) Dibromochloromethane	8.807	129	29507	4.831	ug/l	97
56) 1,2-Dibromoethane	8.919	107	22945	4.825	ug/l	98
58) Tetrachloroethene	8.549	164	25127	4.830	ug/l	96
59) Chlorobenzene	9.443	112	96524	4.930	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.530	131	32228	4.983	ug/l	97
61) Pentachloroethane	11.424	117	27235	4.846	ug/l	97
62) Hexachloroethane	12.472	117	30174	4.870	ug/l	99
63) Ethyl Benzene	9.566	91	176049	4.872	ug/l	97
64) m/p-Xylenes	9.691	106	129121	9.852	ug/l	99
65) o-Xylene	10.096	106	65193	4.871	ug/l	99
66) Styrene	10.112	104	106184	5.004	ug/l	99
67) Bromoform	10.286	173	15053	5.068	ug/l	94
69) Isopropylbenzene	10.479	105	177808	4.960	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	36164	5.013	ug/l	97
71) 1,2,3-Trichloropropane	10.823	75	28487m	4.728	ug/l	
72) Bromobenzene	10.778	156	34819	5.005	ug/l	99
73) n-propylbenzene	10.903	120	46802	4.921	ug/l	97
74) 2-Chlorotoluene	10.983	126	38795	4.926	ug/l	99
75) 1,3,5-Trimethylbenzene	11.083	105	149395	5.008	ug/l	99
76) 4-Chlorotoluene	11.093	126	40505	4.893	ug/l	94
77) tert-Butylbenzene	11.418	119	145301	4.971	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	149788	4.927	ug/l	99
79) sec-Butylbenzene	11.639	105	203107	5.007	ug/l	99
80) Nitrobenzene	13.205	77	8520	22.597	ug/l #	94
81) p-Isopropyltoluene	11.787	119	158368	4.928	ug/l	100
82) 1,3-Dichlorobenzene	11.742	146	75906	4.970	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	78935	5.063	ug/l	98
84) n-Butylbenzene	12.205	91	166296	4.995	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	73000	5.013	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.993	75	6285	4.799	ug/l	94
87) 1,2,4-Trichlorobenzene	13.835	180	43495	4.867	ug/l	99
88) Hexachlorobutadiene	14.015	225	21101	4.834	ug/l	98
89) Naphthalene	14.083	128	91553	4.791	ug/l	98
90) 1,2,3-Trichlorobenzene	14.324	180	39042	4.965	ug/l	98

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

