

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
 Data File : VU053150.D
 Acq On : 27 Feb 2023 12:06
 Operator : JC/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 01:55:34 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

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

Internal Standards					
1) Fluorobenzene	6.109	96	27729	1.000 ug/l	# 0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.630	95	11678	0.998 ug/l	0.00
Spiked Amount 1.000			Recovery	= 100.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9331	1.006 ug/l	0.00
Spiked Amount 1.000			Recovery	= 101.000%	
Target Compounds					
					Qvalue
2) Dichlorodifluoromethane	1.383	85	73386	10.427 ug/l	100
3) Chloromethane	1.521	50	69070	9.524 ug/l	100
4) Vinyl Chloride	1.605	62	80679	10.448 ug/l	100
5) Bromomethane	1.855	94	45370	10.322 ug/l	100
6) Chloroethane	1.932	64	49017	10.450 ug/l	100
7) Trichlorofluoromethane	2.138	101	114132	10.268 ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	72424	10.422 ug/l	100
9) 1,1-Dichloroethene	2.579	96	62827	10.408 ug/l	100
10) Iodomethane	2.720	142	71893	11.579 ug/l	100
11) Allyl Chloride	2.920	41	95707	10.156 ug/l	100
12) Acrylonitrile	3.305	53	30453	19.659 ug/l	100
13) Acetone	2.617	43	90552m	40.984 ug/l	
14) Carbon Disulfide	2.791	76	141816	10.240 ug/l	100
15) Methylene Chloride	3.042	84	76699	8.890 ug/l	100
16) trans-1,2-Dichloroethene	3.350	96	67100	10.112 ug/l	100
17) 1,1-Dichloroethane	3.865	63	148735	10.245 ug/l	100
18) 2-Butanone	4.704	43	116949	44.088 ug/l	100
19) Cyclohexane	5.379	56	116106m	10.027 ug/l	
20) Methylcyclohexane	6.755	83	114963	10.331 ug/l	100
21) 2,2-Dichloropropane	4.659	77	126851	9.973 ug/l	100
22) cis-1,2-Dichloroethene	4.662	96	81574	9.962 ug/l	100
23) Diethyl Ether	2.373	59	50868	10.299 ug/l	100
24) tert-Butyl Alcohol	3.170	59	56098	96.690 ug/l	100
25) Methyl tert-Butyl Ether	3.360	73	179278	10.215 ug/l	100
26) Bromochloromethane	4.971	128	30061	9.494 ug/l	100
27) Chloroform	5.083	83	147693	9.874 ug/l	100
28) 1,1,1-Trichloroethane	5.312	97	124659	9.922 ug/l	100
29) 1,1-Dichloropropene	5.521	75	93690	9.949 ug/l	100
30) Carbon Tetrachloride	5.518	117	91018	10.521 ug/l	100
31) Isopropyl Ether	3.994	45	235095	10.152 ug/l	100
32) Ethyl-t-butyl ether	4.505	59	223781	10.195 ug/l	100
33) Tert-Amyl methyl ether	5.942	73	179861	10.326 ug/l	100
34) Propionitrile	4.772	54	28047	45.452 ug/l	100
35) Benzene	5.768	78	282386	10.163 ug/l	100
36) 1,2-Dichloroethane	5.791	62	82622	9.948 ug/l	100
37) Trichloroethene	6.537	130	66251	10.391 ug/l	100
38) 1,2-Dichloropropane	6.788	63	83519	10.394 ug/l	100
39) Methacrylonitrile	4.974	41	25367	9.616 ug/l	100
40) Methyl acrylate	4.846	55	40869	10.045 ug/l	100
41) Tetrahydrofuran	5.055	42	23981	18.581 ug/l	100
42) 1-Chlorobutane	5.453	56	134171	10.236 ug/l	100
43) Dibromomethane	6.913	93	36188	10.161 ug/l	100
44) Bromodichloromethane	7.103	83	103182	10.591 ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	220384	50.681	ug/l	100
46) t-1,4-Dichloro-2-butene	10.829	75	42719m	19.496	ug/l	
47) Methyl methacrylate	6.961	69	75869	20.696	ug/l	100
48) Ethyl methacrylate	8.331	69	79163	10.523	ug/l	100
49) Toluene	7.964	92	180583	10.553	ug/l	100
50) t-1,3-Dichloropropene	8.209	75	100111	10.578	ug/l	100
51) cis-1,3-Dichloropropene	7.604	75	121224	10.569	ug/l	100
52) 1,1,2-Trichloroethane	8.398	97	55294	10.570	ug/l	100
53) 1,3-Dichloropropane	8.572	76	96732	10.314	ug/l	100
54) 2-Hexanone	8.685	43	166848	45.034	ug/l	100
55) Dibromochloromethane	8.807	129	62739	10.511	ug/l	100
56) 1,2-Dibromoethane	8.919	107	48991	10.541	ug/l	100
58) Tetrachloroethene	8.550	164	52102	10.248	ug/l	100
59) Chlorobenzene	9.443	112	200000	10.452	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.530	131	67581	10.692	ug/l	100
61) Pentachloroethane	11.424	117	59153	10.771	ug/l	100
62) Hexachloroethane	12.472	117	66080	10.914	ug/l	100
63) Ethyl Benzene	9.566	91	377408	10.687	ug/l	100
64) m/p-Xylenes	9.688	106	273986	21.391	ug/l	100
65) o-Xylene	10.096	106	137467	10.510	ug/l	100
66) Styrene	10.109	104	224287	10.817	ug/l	100
67) Bromoform	10.286	173	31482	10.846	ug/l	100
69) Isopropylbenzene	10.479	105	376130	10.737	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	74578	10.578	ug/l	100
71) 1,2,3-Trichloropropane	10.829	75	61265m	10.405	ug/l	
72) Bromobenzene	10.778	156	73071	10.749	ug/l	100
73) n-propylbenzene	10.903	120	100622	10.826	ug/l	100
74) 2-Chlorotoluene	10.984	126	81635	10.608	ug/l	100
75) 1,3,5-Trimethylbenzene	11.083	105	313267	10.746	ug/l	100
76) 4-Chlorotoluene	11.093	126	83513	10.324	ug/l	100
77) tert-Butylbenzene	11.418	119	306320	10.723	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	318555	10.722	ug/l	100
79) sec-Butylbenzene	11.639	105	431148	10.877	ug/l	100
80) Nitrobenzene	13.205	77	17944	48.700	ug/l	100
81) p-Isopropyltoluene	11.787	119	339536	10.813	ug/l	100
82) 1,3-Dichlorobenzene	11.742	146	159219	10.668	ug/l	100
83) 1,4-Dichlorobenzene	11.832	146	163119	10.706	ug/l	100
84) n-Butylbenzene	12.205	91	359091	11.038	ug/l	100
85) 1,2-Dichlorobenzene	12.209	146	150443	10.572	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.993	75	13051	9.748	ug/l	100
87) 1,2,4-Trichlorobenzene	13.836	180	96071	11.001	ug/l	100
88) Hexachlorobutadiene	14.019	225	46106	10.809	ug/l	100
89) Naphthalene	14.083	128	200134	10.716	ug/l	100
90) 1,2,3-Trichlorobenzene	14.324	180	83181	10.825	ug/l	100

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

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