

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
 Data File : VU053173.D
 Acq On : 28 Feb 2023 15:33
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/01/2023
 Supervised By :Mahesh Dadoda 03/01/2023

Quant Time: Mar 01 03:39:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 28 03:35:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	23721	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10610	1.060	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	8898	1.121	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	63664	10.574	ug/l	99
3) Chloromethane	1.524	50	58396	9.413	ug/l	99
4) Vinyl Chloride	1.604	62	66792	10.111	ug/l	99
5) Bromomethane	1.862	94	39800	10.585	ug/l	100
6) Chloroethane	1.936	64	42783	10.662	ug/l	97
7) Trichlorofluoromethane	2.141	101	93228	9.804	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	60661	10.204	ug/l	99
9) 1,1-Dichloroethene	2.582	96	51399	9.953	ug/l	95
10) Iodomethane	2.723	142	58118	10.942	ug/l	99
11) Allyl Chloride	2.923	41	72982	9.053	ug/l	98
12) Acrylonitrile	3.318	53	28314	21.415	ug/l	96
13) Acetone	2.640	43	114388	60.520	ug/l	96
14) Carbon Disulfide	2.794	76	114805	9.691	ug/l	100
15) Methylene Chloride	3.045	84	64994	8.806	ug/l	96
16) trans-1,2-Dichloroethene	3.354	96	55557	9.787	ug/l	97
17) 1,1-Dichloroethane	3.868	63	122699	9.880	ug/l	100
18) 2-Butanone	4.714	43	130492	57.506	ug/l	96
19) Cyclohexane	5.382	56	94538m	9.532	ug/l	
20) Methylcyclohexane	6.759	83	99742	10.478	ug/l	99
21) 2,2-Dichloropropane	4.662	77	106991	9.833	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	67622	9.653	ug/l	99
23) Diethyl Ether	2.376	59	41192	9.749	ug/l	97
24) tert-Butyl Alcohol	3.241	59	57012m	114.869	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	152987	10.190	ug/l	99
26) Bromochloromethane	4.971	128	26148	9.653	ug/l	95
27) Chloroform	5.087	83	125927	9.842	ug/l	100
28) 1,1,1-Trichloroethane	5.315	97	103919	9.668	ug/l	98
29) 1,1-Dichloropropene	5.521	75	79685	9.892	ug/l	100
30) Carbon Tetrachloride	5.521	117	73975	9.996	ug/l	92
31) Isopropyl Ether	3.993	45	192419	9.713	ug/l	99
32) Ethyl-t-butyl ether	4.501	59	186506	9.933	ug/l	99
33) Tert-Amyl methyl ether	5.942	73	152037	10.204	ug/l	100
34) Propionitrile	4.794	54	27196	51.520	ug/l	# 96
35) Benzene	5.772	78	242325	10.195	ug/l	99
36) 1,2-Dichloroethane	5.791	62	71056	10.001	ug/l	99
37) Trichloroethene	6.540	130	58232	10.677	ug/l	97
38) 1,2-Dichloropropane	6.791	63	72084	10.487	ug/l	97
39) Methacrylonitrile	4.974	41	20451	9.082	ug/l	95
40) Methyl acrylate	4.849	55	36367	10.449	ug/l	99
41) Tetrahydrofuran	5.064	42	21035	19.052	ug/l	99
42) 1-Chlorobutane	5.453	56	111442	9.938	ug/l	100
43) Dibromomethane	6.916	93	31693	10.403	ug/l	99
44) Bromodichloromethane	7.106	83	89980	10.796	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	199786	53.707	ug/l	98
46) t-1,4-Dichloro-2-butene	10.829	75	39252m	20.940	ug/l	
47) Methyl methacrylate	6.961	69	67412	21.496	ug/l	98
48) Ethyl methacrylate	8.334	69	70693	10.985	ug/l	96
49) Toluene	7.968	92	155669	10.635	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	87801	10.844	ug/l	99
51) cis-1,3-Dichloropropene	7.604	75	104390	10.639	ug/l	97
52) 1,1,2-Trichloroethane	8.398	97	49294	11.015	ug/l	99
53) 1,3-Dichloropropane	8.572	76	85742	10.687	ug/l	99
54) 2-Hexanone	8.685	43	192064	60.599	ug/l	98
55) Dibromochloromethane	8.807	129	54531	10.680	ug/l	98
56) 1,2-Dibromoethane	8.923	107	44454	11.181	ug/l	99
58) Tetrachloroethene	8.550	164	46213	10.626	ug/l	98
59) Chlorobenzene	9.443	112	180150	11.006	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.530	131	58480	10.816	ug/l	99
61) Pentachloroethane	11.424	117	51983	11.065	ug/l	100
62) Hexachloroethane	12.472	117	55696	10.753	ug/l	96
63) Ethyl Benzene	9.566	91	332631	11.011	ug/l	99
64) m/p-Xylenes	9.691	106	246381	22.486	ug/l	97
65) o-Xylene	10.096	106	121575	10.865	ug/l	99
66) Styrene	10.112	104	201312	11.349	ug/l	99
67) Bromoform	10.286	173	27255	10.977	ug/l	97
69) Isopropylbenzene	10.482	105	330455	11.027	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	66805	11.077	ug/l	94
71) 1,2,3-Trichloropropane	10.823	75	46806m	9.017	ug/l	
72) Bromobenzene	10.778	156	64615	11.111	ug/l	99
73) n-propylbenzene	10.903	120	86861	10.924	ug/l	96
74) 2-Chlorotoluene	10.984	126	73942	11.232	ug/l	98
75) 1,3,5-Trimethylbenzene	11.083	105	272005	10.907	ug/l	100
76) 4-Chlorotoluene	11.093	126	75909	10.969	ug/l	92
77) tert-Butylbenzene	11.418	119	265570	10.868	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	279041	10.979	ug/l	100
79) sec-Butylbenzene	11.639	105	380255	11.213	ug/l	100
80) Nitrobenzene	13.205	77	12438	39.458	ug/l #	96
81) p-Isopropyltoluene	11.791	119	296107	11.023	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	142309	11.146	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	141783	10.878	ug/l	98
84) n-Butylbenzene	12.205	91	315871	11.350	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	133645	10.979	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.993	75	10413	9.118	ug/l	89
87) 1,2,4-Trichlorobenzene	13.836	180	83622	11.193	ug/l	100
88) Hexachlorobutadiene	14.019	225	40131	10.998	ug/l	98
89) Naphthalene	14.083	128	171726	10.804	ug/l	100
90) 1,2,3-Trichlorobenzene	14.324	180	73928	11.246	ug/l	98

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

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