

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
 Data File : VU053148.D
 Acq On : 27 Feb 2023 11:06
 Operator : JC/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

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

Quant Time: Feb 28 01:54:19 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	26734	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10832	0.960	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9236	1.033	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	14419	2.125	ug/l	97
3) Chloromethane	1.521	50	14593	2.087	ug/l	99
4) Vinyl Chloride	1.604	62	16241	2.182	ug/l	96
5) Bromomethane	1.858	94	8623	2.035	ug/l	99
6) Chloroethane	1.936	64	9522	2.106	ug/l	92
7) Trichlorofluoromethane	2.138	101	21901	2.044	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	13847	2.067	ug/l	99
9) 1,1-Dichloroethene	2.582	96	12012	2.064	ug/l	96
10) Iodomethane	2.723	142	11878	1.984	ug/l	100
11) Allyl Chloride	2.923	41	18768	2.066	ug/l	98
12) Acrylonitrile	3.315	53	6372	4.267	ug/l	94
13) Acetone	2.630	43	18734	8.795	ug/l	99
14) Carbon Disulfide	2.794	76	27478	2.058	ug/l	100
15) Methylene Chloride	3.045	84	16991	2.043	ug/l	93
16) trans-1,2-Dichloroethene	3.350	96	12947	2.024	ug/l	87
17) 1,1-Dichloroethane	3.865	63	28653	2.047	ug/l	98
18) 2-Butanone	4.714	43	24478	9.571	ug/l	98
19) Cyclohexane	5.379	56	24151m	2.163	ug/l	
20) Methylcyclohexane	6.755	83	22270	2.076	ug/l	98
21) 2,2-Dichloropropane	4.659	77	25189	2.054	ug/l	99
22) cis-1,2-Dichloroethene	4.662	96	15955	2.021	ug/l	100
23) Diethyl Ether	2.376	59	9865	2.072	ug/l	96
24) tert-Butyl Alcohol	3.196	59	11299	20.200	ug/l #	71
25) Methyl tert-Butyl Ether	3.363	73	34719	2.052	ug/l	98
26) Bromochloromethane	4.974	128	6131	2.008	ug/l	95
27) Chloroform	5.083	83	29088	2.017	ug/l	98
28) 1,1,1-Trichloroethane	5.312	97	25678	2.120	ug/l	99
29) 1,1-Dichloropropene	5.517	75	18936	2.086	ug/l	96
30) Carbon Tetrachloride	5.521	117	17153	2.057	ug/l	97
31) Isopropyl Ether	3.993	45	45935	2.057	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	42791	2.022	ug/l	99
33) Tert-Amyl methyl ether	5.942	73	34048	2.028	ug/l	98
34) Propionitrile	4.784	54	6238	10.485	ug/l #	92
35) Benzene	5.768	78	56152	2.096	ug/l	96
36) 1,2-Dichloroethane	5.794	62	16291	2.034	ug/l	97
37) Trichloroethene	6.540	130	12868	2.093	ug/l	99
38) 1,2-Dichloropropane	6.791	63	16264	2.099	ug/l	95
39) Methacrylonitrile	4.977	41	4946	1.945	ug/l	91
40) Methyl acrylate	4.849	55	7337	1.870	ug/l #	93
41) Tetrahydrofuran	5.061	42	5583	4.487	ug/l #	88
42) 1-Chlorobutane	5.453	56	26582	2.103	ug/l	97
43) Dibromomethane	6.916	93	7473	2.176	ug/l	92
44) Bromodichloromethane	7.103	83	19624	2.089	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	41988	10.015	ug/l	99
46) t-1,4-Dichloro-2-butene	10.826	75	8823m	4.176	ug/l	
47) Methyl methacrylate	6.964	69	14963	4.234	ug/l	98
48) Ethyl methacrylate	8.334	69	14670	2.023	ug/l	96
49) Toluene	7.967	92	34738	2.106	ug/l	100
50) t-1,3-Dichloropropene	8.209	75	18795	2.060	ug/l	92
51) cis-1,3-Dichloropropene	7.604	75	22320	2.018	ug/l	95
52) 1,1,2-Trichloroethane	8.398	97	10325	2.047	ug/l	97
53) 1,3-Dichloropropane	8.572	76	18818	2.081	ug/l	100
54) 2-Hexanone	8.688	43	34061	9.536	ug/l	96
55) Dibromochloromethane	8.807	129	11509	2.000	ug/l	97
56) 1,2-Dibromoethane	8.922	107	9263	2.067	ug/l	98
58) Tetrachloroethene	8.553	164	10011	2.042	ug/l	98
59) Chlorobenzene	9.443	112	38336	2.078	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.530	131	12207	2.003	ug/l	98
61) Pentachloroethane	11.424	117	10865	2.052	ug/l	96
62) Hexachloroethane	12.472	117	11336	1.942	ug/l	95
63) Ethyl Benzene	9.565	91	71008	2.086	ug/l	99
64) m/p-Xylenes	9.691	106	51586	4.177	ug/l	100
65) o-Xylene	10.096	106	26101	2.070	ug/l	99
66) Styrene	10.112	104	41006	2.051	ug/l	98
67) Bromoform	10.286	173	5520	1.973	ug/l	99
69) Isopropylbenzene	10.479	105	70303	2.081	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	13479	1.983	ug/l	94
71) 1,2,3-Trichloropropane	10.823	75	11869m	2.091	ug/l	
72) Bromobenzene	10.778	156	13572	2.071	ug/l	98
73) n-propylbenzene	10.903	120	18663	2.083	ug/l	98
74) 2-Chlorotoluene	10.980	126	15256	2.056	ug/l	98
75) 1,3,5-Trimethylbenzene	11.083	105	57747	2.055	ug/l	100
76) 4-Chlorotoluene	11.093	126	16448	2.109	ug/l	88
77) tert-Butylbenzene	11.414	119	55633	2.020	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	58469	2.041	ug/l	99
79) sec-Butylbenzene	11.639	105	79362	2.077	ug/l	99
80) Nitrobenzene	13.202	77	3340m	9.402	ug/l	
81) p-Isopropyltoluene	11.790	119	61880	2.044	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	30097	2.092	ug/l	97
83) 1,4-Dichlorobenzene	11.832	146	29099	1.981	ug/l	96
84) n-Butylbenzene	12.205	91	63893	2.037	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	28075	2.046	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.990	75	2259	2.078	ug/l	94
87) 1,2,4-Trichlorobenzene	13.835	180	16946	2.013	ug/l	97
88) Hexachlorobutadiene	14.019	225	8654	2.104	ug/l	96
89) Naphthalene	14.083	128	34457	1.914	ug/l	100
90) 1,2,3-Trichlorobenzene	14.327	180	14974	2.021	ug/l	97

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

