

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022322\
 Data File : VU047251.D
 Acq On : 23 Feb 2022 15:34
 Operator : SY/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 : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 24 06:00:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	50594	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	18500	0.944	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	20627	1.011	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	158712	9.408	ug/l	99
3) Chloromethane	1.530	50	199718	11.527	ug/l	99
4) Vinyl Chloride	1.607	62	161651	9.451	ug/l	100
5) Bromomethane	1.861	94	72226	6.464	ug/l	99
6) Chloroethane	1.938	64	102337	10.415	ug/l	100
7) Trichlorofluoromethane	2.144	101	208993	10.367	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	121158	10.427	ug/l	93
9) 1,1-Dichloroethene	2.588	96	119230	9.970	ug/l	93
10) Iodomethane	2.729	142	104458	7.576	ug/l	100
11) Allyl Chloride	2.929	41	168318	9.030	ug/l	97
12) Acrylonitrile	3.327	53	60471	17.228	ug/l	91
13) Acetone	2.649	43	122645	57.365	ug/l	99
14) Carbon Disulfide	2.800	76	381384	9.429	ug/l	99
15) Methylene Chloride	3.051	84	158869	11.829	ug/l	97
16) trans-1,2-Dichloroethene	3.356	96	128987	10.220	ug/l	97
17) 1,1-Dichloroethane	3.874	63	218137	9.433	ug/l	99
18) 2-Butanone	4.723	43	180779	51.123	ug/l	98
19) Cyclohexane	5.391	56	194236m	9.066	ug/l	
20) Methylcyclohexane	6.768	83	221244	9.369	ug/l	96
21) 2,2-Dichloropropane	4.671	77	200129	9.684	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	140833	9.702	ug/l	92
23) Diethyl Ether	2.382	59	92400	9.560	ug/l	99
24) tert-Butyl Alcohol	3.250	59	122766	195.306	ug/l #	89
25) Methyl tert-Butyl Ether	3.372	73	314141	9.367	ug/l	99
26) Bromochloromethane	4.980	128	63550	9.736	ug/l	87
27) Chloroform	5.096	83	227316	9.687	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	201459	9.917	ug/l	96
29) 1,1-Dichloropropene	5.530	75	179327	9.643	ug/l	97
30) Carbon Tetrachloride	5.530	117	174027	9.744	ug/l	99
31) Isopropyl Ether	4.002	45	343591	9.290	ug/l	99
32) Ethyl-t-butyl ether	4.510	59	347692	9.248	ug/l	97
33) Tert-Amyl methyl ether	5.948	73	309608	8.941	ug/l	98
34) Propionitrile	4.800	54	57019	54.299	ug/l #	90
35) Benzene	5.777	78	504713	9.685	ug/l	99
36) 1,2-Dichloroethane	5.800	62	149262	9.460	ug/l	99
37) Trichloroethene	6.546	130	143140	9.921	ug/l	95
38) 1,2-Dichloropropane	6.797	63	130528	9.465	ug/l	99
39) Methacrylonitrile	4.983	41	43607	9.175	ug/l	98
40) Methyl acrylate	4.855	55	76889	9.570	ug/l	96
41) Tetrahydrofuran	5.070	42	45579	18.825	ug/l	99
42) 1-Chlorobutane	5.462	56	236521	9.473	ug/l	99
43) Dibromomethane	6.922	93	71060	9.555	ug/l	90
44) Bromodichloromethane	7.108	83	168950	9.605	ug/l	99

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45) 4-Methyl-2-Pentanone	7.797	43	421463	41.901	ug/l	98
46) t-1,4-Dichloro-2-butene	10.841	75	90306m	20.624	ug/l	
47) Methyl methacrylate	6.967	69	138780	17.793	ug/l	94
48) Ethyl methacrylate	8.337	69	142848	9.035	ug/l	92
49) Toluene	7.973	92	325438	9.681	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	173577	9.117	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	200090	9.375	ug/l	96
52) 1,1,2-Trichloroethane	8.404	97	99532	9.380	ug/l	98
53) 1,3-Dichloropropane	8.578	76	174344	9.196	ug/l	100
54) 2-Hexanone	8.690	43	310616	41.450	ug/l	98
55) Dibromochloromethane	8.813	129	121587	9.425	ug/l	99
56) 1,2-Dibromoethane	8.928	107	100050	9.330	ug/l	97
58) Tetrachloroethene	8.555	164	128919	9.683	ug/l	97
59) Chlorobenzene	9.449	112	360536	9.619	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	130565	10.136	ug/l	98
61) Pentachloroethane	11.430	117	104021	10.637	ug/l	85
62) Hexachloroethane	12.478	117	103011	9.757	ug/l #	77
63) Ethyl Benzene	9.571	91	632126	9.594	ug/l	99
64) m/p-Xylenes	9.697	106	484646	19.298	ug/l	97
65) o-Xylene	10.102	106	232435	9.554	ug/l	98
66) Styrene	10.118	104	400796	9.707	ug/l	97
67) Bromoform	10.295	173	75511	9.237	ug/l #	98
69) Isopropylbenzene	10.488	105	630042	9.630	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.787	83	131649	9.177	ug/l	98
71) 1,2,3-Trichloropropane	10.835	75	92236m	7.618	ug/l	
72) Bromobenzene	10.784	156	156303	9.782	ug/l	85
73) n-propylbenzene	10.909	120	178292	9.898	ug/l	86
74) 2-Chlorotoluene	10.989	126	152430	9.927	ug/l	82
75) 1,3,5-Trimethylbenzene	11.092	105	530061	9.879	ug/l	98
76) 4-Chlorotoluene	11.099	126	160320	9.938	ug/l	81
77) tert-Butylbenzene	11.423	119	529996	9.844	ug/l	94
78) 1,2,4-Trimethylbenzene	11.472	105	545664	9.965	ug/l	97
79) sec-Butylbenzene	11.645	105	703875	9.845	ug/l	97
80) Nitrobenzene	13.208	77	18548	26.780	ug/l	97
81) p-Isopropyltoluene	11.796	119	602405	9.958	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	309104	9.937	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	309499	9.877	ug/l	98
84) n-Butylbenzene	12.211	91	595445	10.250	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	296387	9.898	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	24254	9.221	ug/l #	74
87) 1,2,4-Trichlorobenzene	13.841	180	249523	10.613	ug/l	98
88) Hexachlorobutadiene	14.025	225	124940	10.394	ug/l	99
89) Naphthalene	14.089	128	459629	9.544	ug/l	99
90) 1,2,3-Trichlorobenzene	14.333	180	225405	10.688	ug/l	97

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

