

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032122\
 Data File : VU047624.D
 Acq On : 21 Mar 2022 09:47
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

03/22/2022
 Supervised By :Mahesh
 Dadoda

04/01/2022

Quant Time: Mar 22 01:46:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 13:19:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	31313	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	13517	1.158	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14877	1.051	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	116725	10.319	ug/l	99
3) Chloromethane	1.526	50	112349	10.165	ug/l	100
4) Vinyl Chloride	1.607	62	106109	9.892	ug/l	100
5) Bromomethane	1.864	94	60298	9.585	ug/l	98
6) Chloroethane	1.938	64	64814	10.107	ug/l	98
7) Trichlorofluoromethane	2.144	101	150583	10.155	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	87211	10.292	ug/l	88
9) 1,1-Dichloroethene	2.588	96	85115	10.164	ug/l	88
10) Iodomethane	2.729	142	55632	12.268	ug/l	100
11) Allyl Chloride	2.928	41	106381	10.102	ug/l	98
12) Acrylonitrile	3.327	53	40546	21.941	ug/l	94
13) Acetone	2.649	43	67668	53.838	ug/l	95
14) Carbon Disulfide	2.800	76	264803	10.007	ug/l	100
15) Methylene Chloride	3.051	84	94537	9.829	ug/l	93
16) trans-1,2-Dichloroethene	3.356	96	90721	10.303	ug/l	91
17) 1,1-Dichloroethane	3.874	63	153085	10.243	ug/l	100
18) 2-Butanone	4.723	43	116288	59.405	ug/l	99
19) Cyclohexane	5.391	56	121656m	10.851	ug/l	
20) Methylcyclohexane	6.767	83	143952	11.192	ug/l	94
21) 2,2-Dichloropropane	4.671	77	140079	10.663	ug/l	95
22) cis-1,2-Dichloroethene	4.671	96	100430	10.502	ug/l	89
23) Diethyl Ether	2.382	59	62199	10.166	ug/l	94
24) tert-Butyl Alcohol	3.263	59	46051	109.129	ug/l #	88
25) Methyl tert-Butyl Ether	3.372	73	218102	10.699	ug/l	96
26) Bromochloromethane	4.980	128	50585	10.457	ug/l	80
27) Chloroform	5.095	83	165422	10.242	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	145676	10.385	ug/l	96
29) 1,1-Dichloropropene	5.530	75	122141	10.743	ug/l	95
30) Carbon Tetrachloride	5.530	117	131793	10.544	ug/l	99
31) Isopropyl Ether	4.002	45	210162	10.592	ug/l	95
32) Ethyl-t-butyl ether	4.510	59	217597	10.865	ug/l	94
33) Tert-Amyl methyl ether	5.948	73	212190	11.271	ug/l	98
34) Propionitrile	4.800	54	35102	61.704	ug/l #	92
35) Benzene	5.777	78	355920	10.464	ug/l	99
36) 1,2-Dichloroethane	5.800	62	107476	10.445	ug/l	99
37) Trichloroethene	6.546	130	103889	10.571	ug/l	88
38) 1,2-Dichloropropane	6.796	63	90385	10.318	ug/l	98
39) Methacrylonitrile	4.983	41	27331	11.145	ug/l	95
40) Methyl acrylate	4.854	55	45102	10.883	ug/l #	92
41) Tetrahydrofuran	5.073	42	27478	22.081	ug/l	96
42) 1-Chlorobutane	5.462	56	155692	10.626	ug/l	98
43) Dibromomethane	6.922	93	55315	10.537	ug/l #	85
44) Bromodichloromethane	7.111	83	127314	10.454	ug/l #	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	302503	57.642	ug/l	97
46) t-1,4-Dichloro-2-butene	10.841	75	45953m	20.159	ug/l	
47) Methyl methacrylate	6.967	69	100744	23.725	ug/l	88
48) Ethyl methacrylate	8.336	69	94902	11.860	ug/l	89
49) Toluene	7.973	92	231179	11.060	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	124173	11.005	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	136039	10.952	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	78560	10.754	ug/l	99
53) 1,3-Dichloropropane	8.578	76	128090	10.771	ug/l	100
54) 2-Hexanone	8.690	43	221001	57.677	ug/l	98
55) Dibromochloromethane	8.812	129	99246	10.757	ug/l	99
56) 1,2-Dibromoethane	8.928	107	77722	10.687	ug/l	98
58) Tetrachloroethene	8.555	164	95104	10.496	ug/l	94
59) Chlorobenzene	9.449	112	261011	10.713	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	99138	10.482	ug/l	99
61) Pentachloroethane	11.430	117	84634	10.574	ug/l #	82
62) Hexachloroethane	12.478	117	85835	10.802	ug/l #	68
63) Ethyl Benzene	9.571	91	436628	11.439	ug/l	97
64) m/p-Xylenes	9.697	106	352735	23.295	ug/l	94
65) o-Xylene	10.102	106	166063	11.589	ug/l	95
66) Styrene	10.115	104	291594	11.799	ug/l	95
67) Bromoform	10.295	173	69084	11.250	ug/l #	98
69) Isopropylbenzene	10.488	105	441323	11.632	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.783	83	105525	10.847	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	71426m	9.300	ug/l	
72) Bromobenzene	10.783	156	124436	10.940	ug/l	78
73) n-propylbenzene	10.909	120	130219	11.827	ug/l	83
74) 2-Chlorotoluene	10.989	126	115475	11.420	ug/l	79
75) 1,3,5-Trimethylbenzene	11.089	105	384993	10.201	ug/l	97
76) 4-Chlorotoluene	11.098	126	125492	11.663	ug/l	73
77) tert-Butylbenzene	11.423	119	384385	11.632	ug/l	92
78) 1,2,4-Trimethylbenzene	11.468	105	395849	10.253	ug/l	96
79) sec-Butylbenzene	11.645	105	504679	11.717	ug/l	96
80) Nitrobenzene	13.211	77	23641	59.505	ug/l #	93
81) p-Isopropyltoluene	11.793	119	442996	10.226	ug/l	96
82) 1,3-Dichlorobenzene	11.748	146	245602	10.930	ug/l	96
83) 1,4-Dichlorobenzene	11.838	146	250597	11.091	ug/l	97
84) n-Butylbenzene	12.211	91	408387	10.047	ug/l	96
85) 1,2-Dichlorobenzene	12.214	146	239708	11.104	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	18248	11.122	ug/l #	69
87) 1,2,4-Trichlorobenzene	13.841	180	175857	11.408	ug/l	97
88) Hexachlorobutadiene	14.021	225	101794	10.999	ug/l	98
89) Naphthalene	14.089	128	302834	11.565	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	166567	11.462	ug/l	97

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

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