

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040924.D
 Acq On : 23 Oct 2020 01:49
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 4:15:55 PM

Quant Time: Oct 23 07:47:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	61743	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	23328	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	22678	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	261021	9.064	ug/l	99
3) Chloromethane	1.53	50	270901	9.026	ug/l	97
4) Vinyl Chloride	1.61	62	259541	9.286	ug/l	98
5) Bromomethane	1.86	94	139956	8.520	ug/l	98
6) Chloroethane	1.94	64	155459	9.101	ug/l	99
7) Trichlorofluoromethane	2.15	101	334890	9.483	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	183459	9.344	ug/l	99
9) 1,1-Dichloroethene	2.59	96	161927	9.470	ug/l	99
10) Iodomethane	2.74	142	210763	10.106	ug/l	99
11) Allyl Chloride	2.94	41	327919	9.314	ug/l	99
12) Acrylonitrile	3.33	53	117275	19.455	ug/l	96
13) Acetone	2.64	43	233548	46.289	ug/l	98
14) Carbon Disulfide	2.81	76	603346	9.390	ug/l	100
15) Methylene Chloride	3.06	84	193559	8.715	ug/l	99
16) trans-1,2-Dichloroethene	3.37	96	181791	9.393	ug/l	97
17) 1,1-Dichloroethane	3.89	63	371787	9.393	ug/l	100
18) 2-Butanone	4.74	43	396934	48.634	ug/l	99
19) Cyclohexane	5.40	56	354147m	9.507	ug/l	
20) Methylcyclohexane	6.77	83	288677	10.359	ug/l	98
21) 2,2-Dichloropropane	4.68	77	276203	8.264	ug/l	100
22) cis-1,2-Dichloroethene	4.68	96	191434	9.271	ug/l	96
23) Diethyl Ether	2.39	59	159399	9.441	ug/l	99
24) tert-Butyl Alcohol	3.21	59	177958	94.488	ug/l	100
25) Methyl tert-Butyl Ether	3.38	73	504826	9.518	ug/l	100
26) Bromochloromethane	4.99	128	86431	9.630	ug/l	96
27) Chloroform	5.11	83	353850	9.354	ug/l	100
28) 1,1,1-Trichloroethane	5.33	97	303722	9.312	ug/l	98
29) 1,1-Dichloropropene	5.54	75	271750	9.510	ug/l	100
30) Carbon Tetrachloride	5.54	117	272464	9.230	ug/l	97
31) Isopropyl Ether	4.02	45	571157	9.331	ug/l	99
32) Ethyl-t-butyl ether	4.53	59	508443	9.432	ug/l	98
33) Tert-Amyl methyl ether	5.96	73	407676	10.154	ug/l	99
34) Propionitrile	4.80	54	103437	46.159	ug/l	99
35) Benzene	5.79	78	758450	9.575	ug/l	99
36) 1,2-Dichloroethane	5.81	62	277293	9.444	ug/l	100
37) Trichloroethene	6.55	130	177179	9.462	ug/l	96
38) 1,2-Dichloropropane	6.80	63	215280	9.579	ug/l	98
39) Methacrylonitrile	5.00	41	98507	9.377	ug/l	99
40) Methyl acrylate	4.87	55	140829	9.776	ug/l	99
41) Tetrahydrofuran	5.08	42	99872	18.481	ug/l	98
42) 1-Chlorobutane	5.47	56	404477	9.363	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	119945	9.524	ug/l	98
44) Bromodichloromethane	7.12	83	281742	9.635	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	892022	53.948	ug/l	100
46) t-1,4-Dichloro-2-butene	10.83	75	125845m	19.247	ug/l	
47) Methyl methacrylate	6.98	69	230848	21.953	ug/l	100
48) Ethyl methacrylate	8.34	69	191275	10.813	ug/l	99
49) Toluene	7.98	92	452096	10.378	ug/l	97
50) t-1,3-Dichloropropene	8.22	75	252565	9.994	ug/l	97
51) cis-1,3-Dichloropropene	7.62	75	266176	9.611	ug/l	98
52) 1,1,2-Trichloroethane	8.41	97	159631	10.024	ug/l	97
53) 1,3-Dichloropropane	8.58	76	286700	10.029	ug/l	98
54) 2-Hexanone	8.69	43	621668	53.815	ug/l	99
55) Dibromochloromethane	8.82	129	184917	9.685	ug/l	99
56) 1,2-Dibromoethane	8.93	107	147352	9.980	ug/l	99
58) Tetrachloroethene	8.56	164	166847	9.532	ug/l	97
59) Chlorobenzene	9.45	112	457130	9.913	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.54	131	175955	9.711	ug/l	98
61) Pentachloroethane	11.42	117	137519	9.396	ug/l	99
62) Hexachloroethane	12.47	117	148595	9.975	ug/l	97
63) Ethyl Benzene	9.57	91	824545	10.795	ug/l	100
64) m/p-Xylenes	9.69	106	665462	19.683	ug/l	99
65) o-Xylene	10.10	106	296657	11.060	ug/l	99
66) Styrene	10.11	104	551868	9.878	ug/l	99
67) Bromoform	10.29	173	101431	9.815	ug/l	99
69) Isopropylbenzene	10.48	105	783136	10.948	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	214606	9.905	ug/l	98
71) 1,2,3-Trichloropropane	10.83	75	177119m	10.723	ug/l	
72) Bromobenzene	10.78	156	188333	10.098	ug/l	99
73) n-propylbenzene	10.90	120	230892	9.733	ug/l	96
74) 2-Chlorotoluene	10.98	126	194622	10.486	ug/l	98
75) 1,3,5-Trimethylbenzene	11.09	105	714515	9.606	ug/l	100
76) 4-Chlorotoluene	11.10	126	213366	11.091	ug/l	99
77) tert-Butylbenzene	11.42	119	652912	10.799	ug/l	99
78) 1,2,4-Trimethylbenzene	11.46	105	752615	9.753	ug/l	99
79) sec-Butylbenzene	11.64	105	927565	11.050	ug/l	99
80) Nitrobenzene	13.20	77	52416	51.151	ug/l	97
81) p-Isopropyltoluene	11.79	119	782717	9.609	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	395932	9.732	ug/l	97
83) 1,4-Dichlorobenzene	11.83	146	411530	10.003	ug/l	99
84) n-Butylbenzene	12.20	91	779763	11.097	ug/l	100
85) 1,2-Dichlorobenzene	12.21	146	390297	10.029	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	39241	9.701	ug/l	94
87) 1,2,4-Trichlorobenzene	13.83	180	229334	10.054	ug/l	99
88) Hexachlorobutadiene	14.01	225	123318	9.629	ug/l	99
89) Naphthalene	14.08	128	511916	8.983	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	242673	10.934	ug/l	100

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

