

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101521\
 Data File : VU045323.D
 Acq On : 15 Oct 2021 15:55
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/22/2021 5:38:01 PM

Quant Time: Oct 16 01:11:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101321DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 14 05:46:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	40016	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	14451	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	12.198	152	13812	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	152834	9.99	ug/l	100
3) Chloromethane	1.520	50	161493	10.14	ug/l	99
4) Vinyl Chloride	1.604	62	171611	10.39	ug/l	98
5) Bromomethane	1.851	94	78794	8.69	ug/l	99
6) Chloroethane	1.932	64	104306	9.74	ug/l	99
7) Trichlorofluoromethane	2.137	101	189738	9.86	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	115089	10.34	ug/l	100
9) 1,1-Dichloroethene	2.581	96	105293	10.12	ug/l	98
10) Iodomethane	2.723	142	119216	10.95	ug/l	100
11) Allyl Chloride	2.925	41	160409	10.51	ug/l	97
12) Acrylonitrile	3.324	53	51000	19.22	ug/l	92
13) Acetone	2.639	43	158059	49.94	ug/l	98
14) Carbon Disulfide	2.793	76	317246	10.00	ug/l	100
15) Methylene Chloride	3.051	84	133353	10.58	ug/l	98
16) trans-1,2-Dichloroethene	3.356	96	112601	10.07	ug/l	96
17) 1,1-Dichloroethane	3.874	63	223289	10.64	ug/l	99
18) 2-Butanone	4.713	43	201898	50.16	ug/l	100
19) Cyclohexane	5.391	56	202572m	10.44	ug/l	
20) Methylcyclohexane	6.768	83	199661	10.34	ug/l	99
21) 2,2-Dichloropropane	4.671	77	184093	10.32	ug/l	99
22) cis-1,2-Dichloroethene	4.671	96	129256	10.51	ug/l	100
23) Diethyl Ether	2.382	59	95898	9.74	ug/l	99
24) tert-Butyl Alcohol	3.208	59	80745	104.58	ug/l #	94
25) Methyl tert-Butyl Ether	3.372	73	283340	9.75	ug/l	100
26) Bromochloromethane	4.980	128	51857	9.87	ug/l	97
27) Chloroform	5.092	83	217586	10.13	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	183353	10.42	ug/l	100
29) 1,1-Dichloropropene	5.530	75	165830	10.31	ug/l	99
30) Carbon Tetrachloride	5.530	117	141577	10.38	ug/l	99
31) Isopropyl Ether	4.002	45	353104	10.63	ug/l	100
32) Ethyl-t-butyl ether	4.510	59	343389	10.27	ug/l	100
33) Tert-Amyl methyl ether	5.948	73	294273	9.93	ug/l	99
34) Propionitrile	4.784	54	50334	50.26	ug/l #	89
35) Benzene	5.777	78	484043	10.41	ug/l	99
36) 1,2-Dichloroethane	5.800	62	144365	9.73	ug/l	99
37) Trichloroethene	6.546	130	115103	10.18	ug/l	98
38) 1,2-Dichloropropane	6.796	63	127028	10.53	ug/l	100
39) Methacrylonitrile	4.980	41	41058	10.35	ug/l	96
40) Methyl acrylate	4.848	55	63431	9.60	ug/l	97
41) Tetrahydrofuran	5.063	42	39145	17.26	ug/l	98
42) 1-Chlorobutane	5.462	56	240235	10.40	ug/l	98
43) Dibromomethane	6.922	93	58912	9.84	ug/l	98
44) Bromodichloromethane	7.112	83	155609	10.42	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	382515	46.80	ug/l	99
46) t-1,4-Dichloro-2-butene	10.838	75	57763m	20.07	ug/l	
47) Methyl methacrylate	6.964	69	116796	19.24	ug/l	99
48) Ethyl methacrylate	8.340	69	118035	9.84	ug/l	100
49) Toluene	7.973	92	297946	10.41	ug/l	100
50) t-1,3-Dichloropropene	8.214	75	147376	10.08	ug/l	99
51) cis-1,3-Dichloropropene	7.613	75	175027	10.25	ug/l	100
52) 1,1,2-Trichloroethane	8.404	97	86006	9.97	ug/l	98
53) 1,3-Dichloropropane	8.581	76	155899	9.70	ug/l	99
54) 2-Hexanone	8.690	43	305292	48.35	ug/l	100
55) Dibromochloromethane	8.816	129	92024	10.15	ug/l	100
56) 1,2-Dibromoethane	8.928	107	79582	9.80	ug/l	100
58) Tetrachloroethene	8.558	164	107663	10.56	ug/l	99
59) Chlorobenzene	9.452	112	299578	10.11	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.539	131	103168	10.46	ug/l	100
61) Pentachloroethane	11.433	117	74392	10.37	ug/l	96
62) Hexachloroethane	12.481	117	80353	10.66	ug/l	100
63) Ethyl Benzene	9.574	91	563378	10.58	ug/l	99
64) m/p-Xylenes	9.697	106	430946	21.32	ug/l	100
65) o-Xylene	10.105	106	207170	10.49	ug/l	100
66) Styrene	10.118	104	350100	10.85	ug/l	99
67) Bromoform	10.295	173	47494	10.01	ug/l	100
69) Isopropylbenzene	10.488	105	546514	10.54	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.787	83	106041	9.56	ug/l	100
71) 1,2,3-Trichloropropane	10.832	75	79020m	8.65	ug/l	
72) Bromobenzene	10.787	156	115741	10.11	ug/l	100
73) n-propylbenzene	10.912	120	144893	10.68	ug/l	100
74) 2-Chlorotoluene	10.989	126	121385	10.37	ug/l	99
75) 1,3,5-Trimethylbenzene	11.092	105	460913	10.66	ug/l	100
76) 4-Chlorotoluene	11.102	126	125967	10.52	ug/l	100
77) tert-Butylbenzene	11.427	119	437419	10.42	ug/l	100
78) 1,2,4-Trimethylbenzene	11.472	105	468362	10.61	ug/l	99
79) sec-Butylbenzene	11.648	105	606925	10.48	ug/l	99
80) Nitrobenzene	13.211	77	14512	45.96	ug/l	99
81) p-Isopropyltoluene	11.796	119	494716	10.66	ug/l	100
82) 1,3-Dichlorobenzene	11.751	146	229448	10.03	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	226092	9.99	ug/l	100
84) n-Butylbenzene	12.214	91	474194	10.72	ug/l	99
85) 1,2-Dichlorobenzene	12.217	146	216463	9.96	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	17208	9.34	ug/l	98
87) 1,2,4-Trichlorobenzene	13.844	180	132925	9.93	ug/l	100
88) Hexachlorobutadiene	14.024	225	66051	10.54	ug/l	99
89) Naphthalene	14.092	128	244377	9.29	ug/l	99
90) 1,2,3-Trichlorobenzene	14.333	180	122840	9.88	ug/l	99

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

