

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031121\
 Data File : VU042561.D
 Acq On : 11 Mar 2021 13:00
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003EC

Manual Integrations
 APPROVED

SAM
 3/12/2021 5:15:50 PM

Quant Time: Mar 11 15:38:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 11 12:50:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.124	96	19457	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	10170	1.19	ug/l	0.00
Spiked Amount 1.000			Recovery	=	119.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	9345	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	76927	9.68	ug/l	100
3) Chloromethane	1.527	50	69622	9.96	ug/l	98
4) Vinyl Chloride	1.610	62	67307	9.85	ug/l	100
5) Bromomethane	1.861	94	43154	10.58	ug/l	100
6) Chloroethane	1.938	64	43180	10.39	ug/l	99
7) Trichlorofluoromethane	2.144	101	114568	10.19	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	58933	10.23	ug/l	99
9) 1,1-Dichloroethene	2.588	96	50894	10.24	ug/l	97
10) Iodomethane	2.732	142	84855	10.68	ug/l	100
11) Allyl Chloride	2.932	41	95446	10.07	ug/l	98
12) Acrylonitrile	3.327	53	27222	22.34	ug/l	90
13) Acetone	2.639	43	44382	55.96	ug/l	98
14) Carbon Disulfide	2.803	76	162878	10.05	ug/l	99
15) Methylene Chloride	3.054	84	55861	9.64	ug/l	96
16) trans-1,2-Dichloroethene	3.362	96	54841	10.29	ug/l	98
17) 1,1-Dichloroethane	3.880	63	109109	10.25	ug/l	99
18) 2-Butanone	4.729	43	83807	52.41	ug/l	99
19) Cyclohexane	5.398	56	87660	8.97	ug/l	91
20) Methylcyclohexane	6.771	83	94215	10.87	ug/l	99
21) 2,2-Dichloropropane	4.678	77	93160	9.28	ug/l	99
22) cis-1,2-Dichloroethene	4.678	96	59061	10.19	ug/l	97
23) Diethyl Ether	2.382	59	42520	10.23	ug/l	100
24) tert-Butyl Alcohol	3.208	59	25284	111.22	ug/l #	87
25) Methyl tert-Butyl Ether	3.379	73	143381	10.25	ug/l	99
26) Bromochloromethane	4.989	128	28416	10.03	ug/l	98
27) Chloroform	5.102	83	109565	10.00	ug/l	100
28) 1,1,1-Trichloroethane	5.327	97	99112	9.81	ug/l	97
29) 1,1-Dichloropropene	5.536	75	82250	10.99	ug/l	100
30) Carbon Tetrachloride	5.533	117	90619	10.65	ug/l	99
31) Isopropyl Ether	4.012	45	194553	10.39	ug/l	99
32) Ethyl-t-butyl ether	4.523	59	158391	9.53	ug/l	98
33) Tert-Amyl methyl ether	5.957	73	139934	10.49	ug/l	99
34) Propionitrile	4.797	54	23427	68.25	ug/l #	84
35) Benzene	5.784	78	225494	10.77	ug/l	99
36) 1,2-Dichloroethane	5.806	62	84320	10.50	ug/l	99
37) Trichloroethene	6.552	130	60711	10.16	ug/l	99
38) 1,2-Dichloropropane	6.803	63	62341	10.68	ug/l	99
39) Methacrylonitrile	4.993	41	23548	9.82	ug/l	95
40) Methyl acrylate	4.864	55	31539	9.46	ug/l	97
41) Tetrahydrofuran	5.076	42	22184	19.82	ug/l	94
42) 1-Chlorobutane	5.468	56	119594	10.73	ug/l	99
43) Dibromomethane	6.928	93	35783	10.80	ug/l	99
44) Bromodichloromethane	7.118	83	83338	10.81	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.806	43	259632	53.58	ug/l	100
46) t-1,4-Dichloro-2-butene	10.844	75	35931m	22.93	ug/l	
47) Methyl methacrylate	6.973	69	64701	21.61	ug/l	98
48) Ethyl methacrylate	8.346	69	64195	10.74	ug/l	99
49) Toluene	7.980	92	148458	11.12	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	79767	10.95	ug/l	96
51) cis-1,3-Dichloropropene	7.620	75	85212	10.71	ug/l	99
52) 1,1,2-Trichloroethane	8.411	97	47008	10.79	ug/l	97
53) 1,3-Dichloropropane	8.587	76	83742	10.77	ug/l	100
54) 2-Hexanone	8.700	43	190618	54.46	ug/l	100
55) Dibromochloromethane	8.822	129	59663	11.01	ug/l	98
56) 1,2-Dibromoethane	8.935	107	46763	10.39	ug/l	97
58) Tetrachloroethene	8.562	164	60987	10.40	ug/l	95
59) Chlorobenzene	9.455	112	158160	10.79	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.546	131	62270	11.18	ug/l	99
61) Pentachloroethane	11.436	117	50004	10.95	ug/l	98
62) Hexachloroethane	12.484	117	51552	11.39	ug/l	97
63) Ethyl Benzene	9.581	91	290444	11.29	ug/l	100
64) m/p-Xylenes	9.703	106	226324	23.16	ug/l	99
65) o-Xylene	10.108	106	106875	11.27	ug/l	100
66) Styrene	10.124	104	189578	11.70	ug/l	99
67) Bromoform	10.301	173	39203	11.12	ug/l	99
69) Isopropylbenzene	10.494	105	296668	11.46	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.793	83	63572	10.67	ug/l	99
71) 1,2,3-Trichloropropane	10.838	75	54635m	11.28	ug/l	
72) Bromobenzene	10.790	156	76600	10.93	ug/l	99
73) n-propylbenzene	10.915	120	84052	11.85	ug/l	99
74) 2-Chlorotoluene	10.996	126	72244	11.34	ug/l	96
75) 1,3,5-Trimethylbenzene	11.099	105	268213	11.63	ug/l	99
76) 4-Chlorotoluene	11.108	126	77982	11.65	ug/l	98
77) tert-Butylbenzene	11.430	119	259177	11.28	ug/l	100
78) 1,2,4-Trimethylbenzene	11.478	105	279424	11.94	ug/l	100
79) sec-Butylbenzene	11.655	105	351079	11.78	ug/l	100
80) Nitrobenzene	13.217	77	7909	53.86	ug/l	99
81) p-Isopropyltoluene	11.803	119	302566	11.87	ug/l	100
82) 1,3-Dichlorobenzene	11.754	146	154894	11.33	ug/l	98
83) 1,4-Dichlorobenzene	11.844	146	155842	11.31	ug/l	99
84) n-Butylbenzene	12.217	91	292246	12.41	ug/l	100
85) 1,2-Dichlorobenzene	12.224	146	149976	11.12	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.005	75	12645	11.22	ug/l	97
87) 1,2,4-Trichlorobenzene	13.851	180	104294	11.28	ug/l	99
88) Hexachlorobutadiene	14.031	225	66031	10.97	ug/l	99
89) Naphthalene	14.098	128	176219	11.43	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	98979	11.19	ug/l	99

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

