

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012921\
 Data File : VU042216.D
 Acq On : 29 Jan 2021 09:30
 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

SAM
 2/4/2021 1:04:29 PM

Quant Time: Jan 30 00:45:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012821DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jan 29 09:59:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	13958	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	5985	1.11	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.00%	
68) 1,2-Dichlorobenzene-d4	12.205	152	5599	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	53093	9.76	ug/l	100
3) Chloromethane	1.527	50	47020	9.47	ug/l	99
4) Vinyl Chloride	1.610	62	46285	9.78	ug/l	99
5) Bromomethane	1.864	94	23284	9.92	ug/l	99
6) Chloroethane	1.941	64	26082	9.86	ug/l	98
7) Trichlorofluoromethane	2.147	101	65448	9.89	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	35845	10.13	ug/l	99
9) 1,1-Dichloroethene	2.591	96	31243	9.84	ug/l	98
10) Iodomethane	2.732	142	49615	10.68	ug/l	99
11) Allyl Chloride	2.932	41	62712	9.68	ug/l	100
12) Acrylonitrile	3.327	53	16629	20.40	ug/l	98
13) Acetone	2.636	43	28311	52.14	ug/l	100
14) Carbon Disulfide	2.803	76	105134	10.10	ug/l	100
15) Methylene Chloride	3.054	84	34510	8.69	ug/l	99
16) trans-1,2-Dichloroethene	3.363	96	34468	10.07	ug/l	100
17) 1,1-Dichloroethane	3.883	63	68049	9.97	ug/l	99
18) 2-Butanone	4.729	43	52712	49.32	ug/l	99
19) Cyclohexane	5.395	56	66666m	9.79	ug/l	
20) Methylcyclohexane	6.771	83	69880	9.93	ug/l	99
21) 2,2-Dichloropropane	4.678	77	64137	9.85	ug/l	100
22) cis-1,2-Dichloroethene	4.678	96	37436	9.83	ug/l	99
23) Diethyl Ether	2.385	59	26802	10.30	ug/l	99
24) tert-Butyl Alcohol	3.215	59	18664	95.78	ug/l	99
25) Methyl tert-Butyl Ether	3.379	73	94417	9.99	ug/l	98
26) Bromochloromethane	4.986	128	17934	10.39	ug/l	99
27) Chloroform	5.102	83	66309	9.81	ug/l	97
28) 1,1,1-Trichloroethane	5.327	97	61988	9.91	ug/l	100
29) 1,1-Dichloropropene	5.533	75	57504	9.91	ug/l	100
30) Carbon Tetrachloride	5.533	117	60510	10.23	ug/l	99
31) Isopropyl Ether	4.012	45	124735	9.81	ug/l	100
32) Ethyl-t-butyl ether	4.523	59	112915	9.88	ug/l	99
33) Tert-Amyl methyl ether	5.961	73	104283	9.76	ug/l	100
34) Propionitrile	4.800	54	13243	48.69	ug/l	# 94
35) Benzene	5.784	78	153121	9.92	ug/l	100
36) 1,2-Dichloroethane	5.809	62	56063	10.06	ug/l	100
37) Trichloroethene	6.552	130	41430	10.00	ug/l	99
38) 1,2-Dichloropropane	6.803	63	42317	10.06	ug/l	99
39) Methacrylonitrile	4.996	41	16367	10.32	ug/l	99
40) Methyl acrylate	4.861	55	21992	10.26	ug/l	98
41) Tetrahydrofuran	5.080	42	14181	20.84	ug/l	98
42) 1-Chlorobutane	5.469	56	80792	9.53	ug/l	98
43) Dibromomethane	6.928	93	23179	10.52	ug/l	98
44) Bromodichloromethane	7.118	83	56537	10.48	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	183347	50.05	ug/l	99
46) t-1,4-Dichloro-2-butene	10.848	75	22526m	19.14	ug/l	
47) Methyl methacrylate	6.977	69	45330	19.87	ug/l	95
48) Ethyl methacrylate	8.346	69	49195	10.19	ug/l	99
49) Toluene	7.980	92	96540	10.05	ug/l	98
50) t-1,3-Dichloropropene	8.221	75	59242	10.73	ug/l	100
51) cis-1,3-Dichloropropene	7.620	75	64613	10.44	ug/l	98
52) 1,1,2-Trichloroethane	8.411	97	31101	10.32	ug/l	99
53) 1,3-Dichloropropane	8.587	76	55657	10.17	ug/l	98
54) 2-Hexanone	8.700	43	135537	51.06	ug/l	99
55) Dibromochloromethane	8.822	129	39818	10.95	ug/l	98
56) 1,2-Dibromoethane	8.935	107	31423	10.51	ug/l	99
58) Tetrachloroethene	8.562	164	36430	10.06	ug/l	99
59) Chlorobenzene	9.456	112	104930	10.04	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.546	131	40810	10.39	ug/l	99
61) Pentachloroethane	11.436	117	32502	10.53	ug/l	99
62) Hexachloroethane	12.484	117	33499	10.97	ug/l	98
63) Ethyl Benzene	9.578	91	191761	10.11	ug/l	100
64) m/p-Xylenes	9.703	106	141514	20.07	ug/l	99
65) o-Xylene	10.108	106	69200	9.96	ug/l	99
66) Styrene	10.124	104	119534	10.25	ug/l	99
67) Bromoform	10.301	173	25379	11.10	ug/l	98
69) Isopropylbenzene	10.494	105	188793	10.08	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	40988	10.33	ug/l	99
71) 1,2,3-Trichloropropane	10.841	75	28989m	9.28	ug/l	
72) Bromobenzene	10.790	156	47395	10.03	ug/l	99
73) n-propylbenzene	10.915	120	51787	10.39	ug/l	99
74) 2-Chlorotoluene	10.996	126	44614	10.03	ug/l	98
75) 1,3,5-Trimethylbenzene	11.095	105	163880	10.08	ug/l	99
76) 4-Chlorotoluene	11.105	126	46354	10.28	ug/l	99
77) tert-Butylbenzene	11.430	119	163175	10.13	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	164227	10.06	ug/l	100
79) sec-Butylbenzene	11.652	105	211131	10.18	ug/l	99
80) Nitrobenzene	13.217	77	7882	71.00	ug/l	100
81) p-Isopropyltoluene	11.803	119	180814	10.26	ug/l	99
82) 1,3-Dichlorobenzene	11.755	146	89842	10.07	ug/l	100
83) 1,4-Dichlorobenzene	11.845	146	90256	10.05	ug/l	98
84) n-Butylbenzene	12.218	91	175749	10.44	ug/l	100
85) 1,2-Dichlorobenzene	12.221	146	87349	10.06	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	8864	10.94	ug/l	99
87) 1,2,4-Trichlorobenzene	13.851	180	70095	10.51	ug/l	100
88) Hexachlorobutadiene	14.031	225	38888	10.34	ug/l	99
89) Naphthalene	14.095	128	131459	10.53	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	64197	10.57	ug/l	99

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

