

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030921\
 Data File : VU042545.D
 Acq On : 09 Mar 2021 19:01
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

SAM
 3/12/2021 5:18:01 PM

Quant Time: Mar 10 06:54:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 10 06:46:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.124	96	19965	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	9275	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	9437	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	82915	10.17	ug/l	97
3) Chloromethane	1.523	50	72263	10.07	ug/l	98
4) Vinyl Chloride	1.607	62	70269	10.02	ug/l	99
5) Bromomethane	1.861	94	44094	10.53	ug/l	98
6) Chloroethane	1.938	64	46315	10.86	ug/l	99
7) Trichlorofluoromethane	2.144	101	121096	10.50	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	60682	10.27	ug/l	98
9) 1,1-Dichloroethene	2.588	96	52232	10.24	ug/l	98
10) Iodomethane	2.729	142	90261	11.07	ug/l	100
11) Allyl Chloride	2.932	41	99044	10.19	ug/l	98
12) Acrylonitrile	3.327	53	30006	23.99	ug/l #	81
13) Acetone	2.636	43	47666	58.57	ug/l	99
14) Carbon Disulfide	2.800	76	168376	10.13	ug/l	98
15) Methylene Chloride	3.054	84	58512	9.84	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	56742	10.38	ug/l	98
17) 1,1-Dichloroethane	3.880	63	113164	10.36	ug/l	99
18) 2-Butanone	4.732	43	102435	62.43	ug/l	100
19) Cyclohexane	5.391	56	103708m	10.34	ug/l	
20) Methylcyclohexane	6.768	83	97551	10.97	ug/l	99
21) 2,2-Dichloropropane	4.678	77	100932	9.79	ug/l	97
22) cis-1,2-Dichloroethene	4.678	96	63003	10.59	ug/l	98
23) Diethyl Ether	2.382	59	43952	10.31	ug/l	99
24) tert-Butyl Alcohol	3.208	59	33372	143.07	ug/l #	87
25) Methyl tert-Butyl Ether	3.379	73	151656	10.56	ug/l	98
26) Bromochloromethane	4.986	128	31223	10.74	ug/l	97
27) Chloroform	5.099	83	118026	10.50	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	110357	10.64	ug/l	99
29) 1,1-Dichloropropene	5.533	75	83790	10.91	ug/l	98
30) Carbon Tetrachloride	5.530	117	91926	10.53	ug/l	98
31) Isopropyl Ether	4.012	45	202639	10.55	ug/l	99
32) Ethyl-t-butyl ether	4.523	59	179673	10.54	ug/l	99
33) Tert-Amyl methyl ether	5.960	73	146502	10.70	ug/l	100
34) Propionitrile	4.803	54	23543	66.84	ug/l #	95
35) Benzene	5.780	78	229143	10.66	ug/l	99
36) 1,2-Dichloroethane	5.806	62	86542	10.50	ug/l	100
37) Trichloroethene	6.549	130	62125	10.14	ug/l	99
38) 1,2-Dichloropropane	6.803	63	64815	10.82	ug/l	97
39) Methacrylonitrile	4.993	41	28295	11.50	ug/l	98
40) Methyl acrylate	4.864	55	40445	11.82	ug/l	100
41) Tetrahydrofuran	5.080	42	31101	27.08	ug/l	88
42) 1-Chlorobutane	5.465	56	119341	10.43	ug/l	97
43) Dibromomethane	6.928	93	36395	10.71	ug/l	99
44) Bromodichloromethane	7.118	83	86432	10.93	ug/l	98

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45) 4-Methyl-2-Pentanone	7.809	43	271113	54.53	ug/l	100
46) t-1,4-Dichloro-2-butene	10.845	75	34437m	17.34	ug/l	
47) Methyl methacrylate	6.977	69	67251	21.89	ug/l	96
48) Ethyl methacrylate	8.346	69	66818	10.90	ug/l	97
49) Toluene	7.976	92	148323	10.83	ug/l	97
50) t-1,3-Dichloropropene	8.221	75	81026	10.84	ug/l	99
51) cis-1,3-Dichloropropene	7.620	75	88919	10.90	ug/l	99
52) 1,1,2-Trichloroethane	8.411	97	49116	10.99	ug/l	97
53) 1,3-Dichloropropane	8.584	76	84615	10.60	ug/l	99
54) 2-Hexanone	8.700	43	198490	55.26	ug/l	99
55) Dibromochloromethane	8.822	129	62136	11.17	ug/l	100
56) 1,2-Dibromoethane	8.935	107	49694	10.76	ug/l	95
58) Tetrachloroethene	8.562	164	62885	10.45	ug/l	97
59) Chlorobenzene	9.456	112	164113	10.91	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	64337	11.26	ug/l	99
61) Pentachloroethane	11.436	117	52734	11.26	ug/l	100
62) Hexachloroethane	12.484	117	53757	9.49	ug/l	99
63) Ethyl Benzene	9.578	91	297236	11.26	ug/l	100
64) m/p-Xylenes	9.703	106	230244	22.96	ug/l	99
65) o-Xylene	10.108	106	109956	11.30	ug/l	98
66) Styrene	10.121	104	195820	11.78	ug/l	98
67) Bromoform	10.301	173	40890	11.30	ug/l	99
69) Isopropylbenzene	10.491	105	307490	11.58	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.793	83	66333	10.85	ug/l	100
71) 1,2,3-Trichloropropane	10.835	75	53016m	10.66	ug/l	
72) Bromobenzene	10.790	156	80815	11.24	ug/l	99
73) n-propylbenzene	10.915	120	86050	11.82	ug/l	98
74) 2-Chlorotoluene	10.996	126	74788	11.44	ug/l	97
75) 1,3,5-Trimethylbenzene	11.095	105	278112	11.75	ug/l	100
76) 4-Chlorotoluene	11.105	126	79709	11.61	ug/l	99
77) tert-Butylbenzene	11.430	119	272734	11.56	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	285118	9.82	ug/l	99
79) sec-Butylbenzene	11.652	105	359120	9.78	ug/l	100
80) Nitrobenzene	13.221	77	9273	42.76	ug/l	98
81) p-Isopropyltoluene	11.799	119	309647	9.77	ug/l	100
82) 1,3-Dichlorobenzene	11.754	146	160840	11.46	ug/l	99
83) 1,4-Dichlorobenzene	11.845	146	161414	11.42	ug/l	99
84) n-Butylbenzene	12.217	91	292133	9.60	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	155448	11.23	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	13078	9.34	ug/l	96
87) 1,2,4-Trichlorobenzene	13.848	180	112840	9.68	ug/l	100
88) Hexachlorobutadiene	14.031	225	70761	11.45	ug/l	99
89) Naphthalene	14.095	128	197152	9.51	ug/l	100
90) 1,2,3-Trichlorobenzene	14.340	180	108495	9.88	ug/l	99

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

