

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031021\
 Data File : VU042547.D
 Acq On : 10 Mar 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
 3/12/2021 5:16:43 PM

Quant Time: Mar 11 06:22:01 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	6.125	96	20878	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	13006	1.41	ug/l	0.00
Spiked Amount 1.000			Recovery	=	141.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	10403	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	83182	9.76	ug/l	99
3) Chloromethane	1.527	50	72650	9.69	ug/l	98
4) Vinyl Chloride	1.610	62	70987	9.68	ug/l	98
5) Bromomethane	1.864	94	44848	10.24	ug/l	98
6) Chloroethane	1.938	64	45546	10.21	ug/l	98
7) Trichlorofluoromethane	2.147	101	121204	10.05	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	62582	10.13	ug/l	98
9) 1,1-Dichloroethene	2.591	96	53993	10.12	ug/l	97
10) Iodomethane	2.732	142	88728	10.40	ug/l	100
11) Allyl Chloride	2.932	41	100812	9.91	ug/l	99
12) Acrylonitrile	3.327	53	28777	22.01	ug/l	89
13) Acetone	2.636	43	49229	57.84	ug/l	100
14) Carbon Disulfide	2.803	76	173697	9.99	ug/l	99
15) Methylene Chloride	3.054	84	57934	9.32	ug/l	98
16) trans-1,2-Dichloroethene	3.363	96	57700	10.09	ug/l	99
17) 1,1-Dichloroethane	3.880	63	114978	10.07	ug/l	100
18) 2-Butanone	4.732	43	98062	57.15	ug/l	99
19) Cyclohexane	5.391	56	104575m	9.97	ug/l	
20) Methylcyclohexane	6.771	83	99349	10.69	ug/l	99
21) 2,2-Dichloropropane	4.678	77	109100	10.12	ug/l	97
22) cis-1,2-Dichloroethene	4.681	96	64061	10.30	ug/l	98
23) Diethyl Ether	2.385	59	46014	10.32	ug/l	98
24) tert-Butyl Alcohol	3.211	59	26131	107.13	ug/l #	81
25) Methyl tert-Butyl Ether	3.379	73	151808	10.11	ug/l	100
26) Bromochloromethane	4.986	128	30576	10.06	ug/l	100
27) Chloroform	5.099	83	120858	10.28	ug/l	98
28) 1,1,1-Trichloroethane	5.327	97	111793	10.31	ug/l	100
29) 1,1-Dichloropropene	5.533	75	86417	10.76	ug/l	99
30) Carbon Tetrachloride	5.533	117	94880	10.39	ug/l	99
31) Isopropyl Ether	4.012	45	203013	10.11	ug/l	100
32) Ethyl-t-butyl ether	4.523	59	182644	10.24	ug/l	99
33) Tert-Amyl methyl ether	5.961	73	150912	10.54	ug/l	98
34) Propionitrile	4.803	54	22294	60.53	ug/l #	98
35) Benzene	5.784	78	231746	10.31	ug/l	99
36) 1,2-Dichloroethane	5.806	62	86659	10.05	ug/l	99
37) Trichloroethene	6.552	130	64539	10.07	ug/l	98
38) 1,2-Dichloropropane	6.803	63	64016	10.22	ug/l	97
39) Methacrylonitrile	4.996	41	26491	10.30	ug/l	97
40) Methyl acrylate	4.864	55	38103	10.65	ug/l	97
41) Tetrahydrofuran	5.083	42	23991	19.98	ug/l	95
42) 1-Chlorobutane	5.469	56	119123	9.96	ug/l	99
43) Dibromomethane	6.932	93	37572	10.57	ug/l	98
44) Bromodichloromethane	7.118	83	87663	10.60	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.813	43	275201	52.93	ug/l	98
46) t-1,4-Dichloro-2-butene	10.845	75	39746m	19.01	ug/l	
47) Methyl methacrylate	6.977	69	68635	21.36	ug/l	98
48) Ethyl methacrylate	8.350	69	69333	10.81	ug/l	99
49) Toluene	7.980	92	151538	10.58	ug/l	98
50) t-1,3-Dichloropropene	8.224	75	85116	10.89	ug/l	98
51) cis-1,3-Dichloropropene	7.620	75	91770	10.75	ug/l	99
52) 1,1,2-Trichloroethane	8.414	97	49930	10.68	ug/l	99
53) 1,3-Dichloropropane	8.587	76	87346	10.47	ug/l	99
54) 2-Hexanone	8.703	43	205670	54.76	ug/l	100
55) Dibromochloromethane	8.822	129	64281	11.05	ug/l	99
56) 1,2-Dibromoethane	8.935	107	50336	10.43	ug/l	96
58) Tetrachloroethene	8.562	164	64922	10.31	ug/l	95
59) Chlorobenzene	9.456	112	167514	10.65	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.546	131	65561	10.97	ug/l	98
61) Pentachloroethane	11.436	117	52367	10.69	ug/l	98
62) Hexachloroethane	12.488	117	56797	9.58	ug/l	97
63) Ethyl Benzene	9.581	91	306310	11.10	ug/l	99
64) m/p-Xylenes	9.703	106	237555	22.66	ug/l	99
65) o-Xylene	10.108	106	113860	11.19	ug/l	99
66) Styrene	10.124	104	197515	11.36	ug/l	100
67) Bromoform	10.301	173	42342	11.19	ug/l	98
69) Isopropylbenzene	10.494	105	313628	11.30	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	67308	10.53	ug/l	98
71) 1,2,3-Trichloropropane	10.835	75	59854m	11.51	ug/l	
72) Bromobenzene	10.793	156	83163	11.06	ug/l	99
73) n-propylbenzene	10.915	120	88893	11.68	ug/l	99
74) 2-Chlorotoluene	10.996	126	76205	11.15	ug/l	97
75) 1,3,5-Trimethylbenzene	11.095	105	285788	11.55	ug/l	99
76) 4-Chlorotoluene	11.105	126	82769	11.52	ug/l	100
77) tert-Butylbenzene	11.430	119	277416	11.25	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	293794	9.68	ug/l	98
79) sec-Butylbenzene	11.652	105	370717	9.66	ug/l	100
80) Nitrobenzene	13.221	77	9897	43.54	ug/l #	97
81) p-Isopropyltoluene	11.803	119	320536	9.68	ug/l	100
82) 1,3-Dichlorobenzene	11.755	146	164812	11.23	ug/l	100
83) 1,4-Dichlorobenzene	11.845	146	165935	11.23	ug/l	99
84) n-Butylbenzene	12.218	91	309106	9.71	ug/l	100
85) 1,2-Dichlorobenzene	12.221	146	159941	11.05	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.005	75	14559	9.91	ug/l	98
87) 1,2,4-Trichlorobenzene	13.851	180	116972	9.60	ug/l	100
88) Hexachlorobutadiene	14.031	225	73411	11.36	ug/l	98
89) Naphthalene	14.098	128	198247	9.17	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	110045	9.60	ug/l	99

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

