

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072021\
 Data File : VU044371.D
 Acq On : 20 Jul 2021 14:26
 Operator : SY/MD
 Sample : VU0720WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0720WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2021 1:45:18 PM

Quant Time: Jul 21 01:25:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 14:36:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	53654	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	20887	0.965	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	20869	0.988	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	35891	1.917	ug/l	99
3) Chloromethane	1.517	50	40885	2.008	ug/l	100
4) Vinyl Chloride	1.600	62	42162	2.051	ug/l	100
5) Bromomethane	1.861	94	22733	2.073	ug/l	100
6) Chloroethane	1.935	64	25623	2.048	ug/l	99
7) Trichlorofluoromethane	2.141	101	45460	2.045	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	28360	2.019	ug/l	97
9) 1,1-Dichloroethene	2.584	96	27374	1.998	ug/l	96
10) Iodomethane	2.729	142	35199	1.963	ug/l	90
11) Allyl Chloride	2.928	41	45573	2.020	ug/l	84
12) Acrylonitrile	3.362	53	16433	5.233	ug/l	93
13) Acetone	2.713	43	15851	10.122	ug/l	# 86
14) Carbon Disulfide	2.797	76	87699	1.934	ug/l	100
15) Methylene Chloride	3.054	84	51005	2.623	ug/l	94
16) trans-1,2-Dichloroethene	3.359	96	30951	2.025	ug/l	93
17) 1,1-Dichloroethane	3.877	63	57894	2.034	ug/l	98
18) 2-Butanone	4.780	43	45348	13.503	ug/l	98
19) Cyclohexane	5.388	56	51695	1.987	ug/l	98
20) Methylcyclohexane	6.764	83	52708	1.942	ug/l	99
21) 2,2-Dichloropropane	4.674	77	48473	2.077	ug/l	98
22) cis-1,2-Dichloroethene	4.677	96	33718	2.019	ug/l	95
23) Diethyl Ether	2.388	59	24693	2.148	ug/l	99
24) tert-Butyl Alcohol	3.362	59	18063m	26.477	ug/l	
25) Methyl tert-Butyl Ether	3.385	73	81472	2.130	ug/l	94
26) Bromochloromethane	4.986	128	14226	2.012	ug/l	96
27) Chloroform	5.099	83	56661	2.057	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	46272	2.014	ug/l	98
29) 1,1-Dichloropropene	5.530	75	43162	1.977	ug/l	100
30) Carbon Tetrachloride	5.526	117	37552	1.960	ug/l	98
31) Isopropyl Ether	4.018	45	96963	2.048	ug/l	97
32) Ethyl-t-butyl ether	4.526	59	96205	2.060	ug/l	99
33) Tert-Amyl methyl ether	5.964	73	83484	2.011	ug/l	99
34) Propionitrile	4.867	54	10728	11.285	ug/l	# 1
35) Benzene	5.780	78	124755	1.967	ug/l	100
36) 1,2-Dichloroethane	5.809	62	37816	2.077	ug/l	98
37) Trichloroethene	6.549	130	31438	1.972	ug/l	94
38) 1,2-Dichloropropane	6.803	63	33000	1.965	ug/l	99
39) Methacrylonitrile	5.005	41	13066	2.411	ug/l	# 93
40) Methyl acrylate	4.877	55	24043	2.851	ug/l	# 95
41) Tetrahydrofuran	5.108	42	13065	5.082	ug/l	94
42) 1-Chlorobutane	5.462	56	61466	1.993	ug/l	93
43) Dibromomethane	6.928	93	16854	2.024	ug/l	95
44) Bromodichloromethane	7.118	83	39709	2.010	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	115068	10.171	ug/l	95
46) t-1,4-Dichloro-2-butene	10.841	75	18153m	3.787	ug/l	
47) Methyl methacrylate	6.980	69	37106	4.030	ug/l #	87
48) Ethyl methacrylate	8.346	69	35741	1.880	ug/l	96
49) Toluene	7.976	92	78145	1.958	ug/l	98
50) t-1,3-Dichloropropene	8.221	75	38299	1.867	ug/l	99
51) cis-1,3-Dichloropropene	7.616	75	45997	1.900	ug/l	96
52) 1,1,2-Trichloroethane	8.410	97	25453	2.074	ug/l	98
53) 1,3-Dichloropropane	8.584	76	45846	2.034	ug/l	100
54) 2-Hexanone	8.706	43	82696	10.275	ug/l	94
55) Dibromochloromethane	8.819	129	25869	1.947	ug/l	97
56) 1,2-Dibromoethane	8.935	107	24375	2.032	ug/l	97
58) Tetrachloroethene	8.558	164	27696	2.046	ug/l	98
59) Chlorobenzene	9.452	112	83535	1.980	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	27571	1.961	ug/l	97
61) Pentachloroethane	11.433	117	19879	1.769	ug/l	96
62) Hexachloroethane	12.484	117	21203	1.808	ug/l	99
63) Ethyl Benzene	9.578	91	145524	1.930	ug/l	100
64) m/p-Xylenes	9.700	106	111359	3.864	ug/l	97
65) o-Xylene	10.108	106	55080	1.981	ug/l	99
66) Styrene	10.121	104	92662	1.934	ug/l	99
67) Bromoform	10.298	173	13673	1.839	ug/l	100
69) Isopropylbenzene	10.491	105	142302	1.913	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	32857	2.029	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	24270m	1.748	ug/l	
72) Bromobenzene	10.790	156	33620	1.952	ug/l	95
73) n-propylbenzene	10.912	120	38186	1.905	ug/l	92
74) 2-Chlorotoluene	10.992	126	33614	1.954	ug/l	95
75) 1,3,5-Trimethylbenzene	11.095	105	121761	1.937	ug/l	99
76) 4-Chlorotoluene	11.105	126	35508	1.987	ug/l	98
77) tert-Butylbenzene	11.426	119	117033	1.899	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	121160	1.898	ug/l	99
79) sec-Butylbenzene	11.651	105	163439	1.947	ug/l	99
80) Nitrobenzene	13.217	77	3610	7.473	ug/l	97
81) p-Isopropyltoluene	11.799	119	132767	1.911	ug/l	98
82) 1,3-Dichlorobenzene	11.751	146	67213	1.965	ug/l	100
83) 1,4-Dichlorobenzene	11.844	146	68058	1.970	ug/l	100
84) n-Butylbenzene	12.214	91	130512	1.918	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	65468	1.976	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	5555	1.984	ug/l	93
87) 1,2,4-Trichlorobenzene	13.848	180	49226	2.100	ug/l	100
88) Hexachlorobutadiene	14.028	225	20573	1.813	ug/l	99
89) Naphthalene	14.092	128	86783	1.851	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	40655	1.910	ug/l	98

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

