

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071621\
 Data File : VU044353.D
 Acq On : 16 Jul 2021 14:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071621

Manual Integrations
 APPROVED

MMDadoda
 7/19/2021 5:54:52 PM

Quant Time: Jul 16 15:21:08 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	52670	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	21313	1.003	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	21669	1.046	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	134498	7.317	ug/l	99
3) Chloromethane	1.527	50	179450	8.976	ug/l	98
4) Vinyl Chloride	1.610	62	193131	9.569	ug/l	99
5) Bromomethane	1.864	94	106452	9.890	ug/l	98
6) Chloroethane	1.941	64	116728	9.505	ug/l	99
7) Trichlorofluoromethane	2.147	101	224298	10.280	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	139967	10.152	ug/l	99
9) 1,1-Dichloroethene	2.588	96	142997	10.632	ug/l	95
10) Iodomethane	2.732	142	191176	10.861	ug/l	87
11) Allyl Chloride	2.932	41	242875	10.965	ug/l	# 79
12) Acrylonitrile	3.327	53	167221	54.250	ug/l	92
13) Acetone	2.636	43	79139	51.479	ug/l	89
14) Carbon Disulfide	2.800	76	454855	10.216	ug/l	100
15) Methylene Chloride	3.054	84	172740	9.049	ug/l	93
16) trans-1,2-Dichloroethene	3.359	96	158675	10.576	ug/l	99
17) 1,1-Dichloroethane	3.880	63	303903	10.877	ug/l	99
18) 2-Butanone	4.732	43	164372	49.857	ug/l	100
19) Cyclohexane	5.391	56	265226	10.383	ug/l	98
20) Methylcyclohexane	6.768	83	291435	10.940	ug/l	99
21) 2,2-Dichloropropane	4.674	77	243412	10.625	ug/l	96
22) cis-1,2-Dichloroethene	4.678	96	178289	10.874	ug/l	95
23) Diethyl Ether	2.385	59	118860	10.532	ug/l	98
24) tert-Butyl Alcohol	3.202	59	28653m	42.784	ug/l	
25) Methyl tert-Butyl Ether	3.379	73	409014	10.894	ug/l	93
26) Bromochloromethane	4.986	128	67199	9.684	ug/l	98
27) Chloroform	5.099	83	284046	10.503	ug/l	98
28) 1,1,1-Trichloroethane	5.324	97	238635	10.582	ug/l	98
29) 1,1-Dichloropropene	5.530	75	224549	10.480	ug/l	99
30) Carbon Tetrachloride	5.530	117	203214	10.807	ug/l	99
31) Isopropyl Ether	4.012	45	508764	10.945	ug/l	# 1
34) Propionitrile	4.800	54	85598	91.725	ug/l	# 96
35) Benzene	5.781	78	671160	10.777	ug/l	99
36) 1,2-Dichloroethane	5.806	62	188723	10.560	ug/l	96
37) Trichloroethene	6.549	130	167683	10.713	ug/l	94
38) 1,2-Dichloropropane	6.803	63	174312	10.575	ug/l	99
39) Methacrylonitrile	4.993	41	54956	10.330	ug/l	95
40) Methyl acrylate	4.864	55	82164	9.925	ug/l	99
41) Tetrahydrofuran	5.080	42	112704	44.662	ug/l	94
42) 1-Chlorobutane	5.465	56	321655	10.622	ug/l	93
43) Dibromomethane	6.928	93	92313	11.292	ug/l	97
44) Bromodichloromethane	7.118	83	219106	11.297	ug/l	100
45) 4-Methyl-2-Pentanone	7.809	43	601192	54.130	ug/l	94
46) t-1,4-Dichloro-2-butene	10.835	75	91920m	19.532	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.977	69	98921	10.945	ug/l #	81
48) Ethyl methacrylate	8.346	69	200953	10.768	ug/l	93
49) Toluene	7.977	92	428755	10.945	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	231295	11.483	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	273962	11.530	ug/l	93
52) 1,1,2-Trichloroethane	8.411	97	131426	10.911	ug/l	99
53) 1,3-Dichloropropane	8.584	76	239143	10.809	ug/l	100
54) 2-Hexanone	8.700	43	429410	54.353	ug/l	93
55) Dibromochloromethane	8.819	129	144142	11.052	ug/l	99
56) 1,2-Dibromoethane	8.935	107	128623	10.925	ug/l	100
58) Tetrachloroethene	8.559	164	144953	10.910	ug/l	99
59) Chlorobenzene	9.456	112	441652	10.664	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.542	131	149487	10.831	ug/l	98
61) Pentachloroethane	11.436	117	125377	11.368	ug/l	98
62) Hexachloroethane	12.481	117	130632	11.348	ug/l	100
63) Ethyl Benzene	9.578	91	818829	11.061	ug/l	100
64) m/p-Xylenes	9.700	106	632512	22.360	ug/l	99
65) o-Xylene	10.108	106	307398	11.261	ug/l	99
66) Styrene	10.121	104	529880	11.265	ug/l	98
67) Bromoform	10.301	173	84164	11.530	ug/l	99
69) Isopropylbenzene	10.491	105	809370	11.084	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.790	83	173826	10.934	ug/l	100
71) 1,2,3-Trichloropropane	10.835	75	133462m	9.793	ug/l	
72) Bromobenzene	10.790	156	183740	10.868	ug/l	94
73) n-propylbenzene	10.912	120	220861	11.222	ug/l	94
74) 2-Chlorotoluene	10.993	126	185769	11.003	ug/l	94
75) 1,3,5-Trimethylbenzene	11.095	105	700263	11.346	ug/l	100
76) 4-Chlorotoluene	11.105	126	191807	10.935	ug/l	98
77) tert-Butylbenzene	11.427	119	672350	11.114	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	697610	11.135	ug/l	100
79) sec-Butylbenzene	11.652	105	921317	11.183	ug/l	98
80) Nitrobenzene	13.211	77	5301	11.179	ug/l #	94
81) p-Isopropyltoluene	11.800	119	769583	11.282	ug/l	98
82) 1,3-Dichlorobenzene	11.751	146	372470	11.091	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	373926	11.025	ug/l	99
84) n-Butylbenzene	12.214	91	766887	11.482	ug/l	99
85) 1,2-Dichlorobenzene	12.218	146	358624	11.024	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.005	75	30490	11.096	ug/l	100
87) 1,2,4-Trichlorobenzene	13.848	180	262234	11.394	ug/l	99
88) Hexachlorobutadiene	14.028	225	125546	11.272	ug/l	99
89) Naphthalene	14.092	128	539191	11.714	ug/l	99
90) 1,2,3-Trichlorobenzene	14.336	180	240737	11.521	ug/l	98

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

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