

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071621\
 Data File : VU044349.D
 Acq On : 16 Jul 2021 12:09
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/19/2021 5:54:47 PM

Quant Time: Jul 16 12:36:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 12:32:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	53793	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	21686	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	21442	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	195240	10.000	ug/l	99
3) Chloromethane	1.527	50	208859	10.000	ug/l	100
4) Vinyl Chloride	1.610	62	214543	10.000	ug/l	100
5) Bromomethane	1.861	94	114050	10.000	ug/l	99
6) Chloroethane	1.938	64	123378	10.000	ug/l	99
7) Trichlorofluoromethane	2.147	101	234609	10.000	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	147992	10.000	ug/l	98
9) 1,1-Dichloroethene	2.588	96	142928	10.000	ug/l	94
10) Iodomethane	2.732	142	197130	10.000	ug/l	88
11) Allyl Chloride	2.932	41	235658	10.000	ug/l	# 81
12) Acrylonitrile	3.327	53	72949	20.000	ug/l	92
13) Acetone	2.636	43	90770	50.000	ug/l	90
14) Carbon Disulfide	2.800	76	477615	10.000	ug/l	100
15) Methylene Chloride	3.054	84	170780	10.000	ug/l	94
16) trans-1,2-Dichloroethene	3.363	96	157283	10.000	ug/l	97
17) 1,1-Dichloroethane	3.880	63	293742	10.000	ug/l	99
18) 2-Butanone	4.729	43	195931	50.000	ug/l	96
19) Cyclohexane	5.391	56	269825	10.000	ug/l	98
20) Methylcyclohexane	6.768	83	290152	10.000	ug/l	99
21) 2,2-Dichloropropane	4.674	77	243143	10.000	ug/l	95
22) cis-1,2-Dichloroethene	4.678	96	173611	10.000	ug/l	94
23) Diethyl Ether	2.385	59	121092	10.000	ug/l	99
24) tert-Butyl Alcohol	3.208	59	75164	100.000	ug/l	99
25) Methyl tert-Butyl Ether	3.379	73	402958	10.000	ug/l	92
26) Bromochloromethane	4.986	128	71706	10.000	ug/l	99
27) Chloroform	5.099	83	279635	10.000	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	237929	10.000	ug/l	98
29) 1,1-Dichloropropene	5.533	75	230109	10.000	ug/l	100
30) Carbon Tetrachloride	5.530	117	199598	10.000	ug/l	99
31) Isopropyl Ether	4.012	45	498974	10.000	ug/l	94
32) Ethyl-t-butyl ether	4.523	59	491983	10.000	ug/l	98
33) Tert-Amyl methyl ether	5.960	73	428229	10.000	ug/l	99
34) Propionitrile	4.800	54	52607	50.000	ug/l	# 95
35) Benzene	5.780	78	656297	10.000	ug/l	100
36) 1,2-Dichloroethane	5.806	62	184998	10.000	ug/l	96
37) Trichloroethene	6.549	130	166955	10.000	ug/l	95
38) 1,2-Dichloropropane	6.803	63	174471	10.000	ug/l	100
39) Methacrylonitrile	4.993	41	58397	10.000	ug/l	96
40) Methyl acrylate	4.864	55	91609	10.000	ug/l	99
41) Tetrahydrofuran	5.080	42	54420	20.000	ug/l	97
42) 1-Chlorobutane	5.465	56	317849	10.000	ug/l	94
43) Dibromomethane	6.928	93	87754	10.000	ug/l	98
44) Bromodichloromethane	7.115	83	207413	10.000	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	597516	50.000	ug/l	95
46) t-1,4-Dichloro-2-butene	10.841	75	107198m	19.935	ug/l	
47) Methyl methacrylate	6.977	69	192929	20.000	ug/l #	90
48) Ethyl methacrylate	8.346	69	200088	10.000	ug/l	93
49) Toluene	7.976	92	422320	10.000	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	223395	10.000	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	259220	10.000	ug/l	93
52) 1,1,2-Trichloroethane	8.411	97	126694	10.000	ug/l	96
53) 1,3-Dichloropropane	8.584	76	233621	10.000	ug/l	100
54) 2-Hexanone	8.700	43	427152	50.000	ug/l	92
55) Dibromochloromethane	8.819	129	141377	10.000	ug/l	99
56) 1,2-Dibromoethane	8.931	107	125198	10.000	ug/l	98
58) Tetrachloroethene	8.558	164	143030	10.000	ug/l	98
59) Chlorobenzene	9.456	112	446214	10.000	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	150132	10.000	ug/l	98
61) Pentachloroethane	11.436	117	119707	10.000	ug/l	98
62) Hexachloroethane	12.481	117	128874	10.000	ug/l	99
63) Ethyl Benzene	9.578	91	804610	10.000	ug/l	100
64) m/p-Xylenes	9.700	106	614857	20.000	ug/l	100
65) o-Xylene	10.108	106	297366	10.000	ug/l	99
66) Styrene	10.121	104	515630	10.000	ug/l	98
67) Bromoform	10.298	173	82546	10.000	ug/l	99
69) Isopropylbenzene	10.491	105	794652	10.000	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.790	83	170304	10.000	ug/l	99
71) 1,2,3-Trichloropropane	10.838	75	144717m	10.000	ug/l	
72) Bromobenzene	10.790	156	180284	10.000	ug/l	96
73) n-propylbenzene	10.912	120	217475	10.000	ug/l	96
74) 2-Chlorotoluene	10.992	126	178840	10.000	ug/l	91
75) 1,3,5-Trimethylbenzene	11.095	105	670352	10.000	ug/l	99
76) 4-Chlorotoluene	11.105	126	185983	10.000	ug/l	96
77) tert-Butylbenzene	11.427	119	657021	10.000	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	688891	10.000	ug/l	100
79) sec-Butylbenzene	11.652	105	898391	10.000	ug/l	99
80) Nitrobenzene	13.217	77	27966	50.000	ug/l #	98
81) p-Isopropyltoluene	11.799	119	749818	10.000	ug/l	98
82) 1,3-Dichlorobenzene	11.751	146	356944	10.000	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	359334	10.000	ug/l	99
84) n-Butylbenzene	12.214	91	749499	10.000	ug/l	99
85) 1,2-Dichlorobenzene	12.217	146	345576	10.000	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	31154	10.000	ug/l	98
87) 1,2,4-Trichlorobenzene	13.848	180	256740	10.000	ug/l	98
88) Hexachlorobutadiene	14.028	225	122164	10.000	ug/l	100
89) Naphthalene	14.092	128	524366	10.000	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	231317	10.000	ug/l	99

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

