

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071621\
 Data File : VU044348.D
 Acq On : 16 Jul 2021 11:33
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/19/2021 5:54:45 PM

Quant Time: Jul 16 12:35:56 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	6.122	96	54544	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	21394	0.973	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.202	152	20648	0.950	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.389	85	98992	5.000	ug/l	99
3) Chloromethane	1.524	50	105442	4.979	ug/l	100
4) Vinyl Chloride	1.607	62	108745	4.999	ug/l	99
5) Bromomethane	1.861	94	55465	4.796	ug/l	99
6) Chloroethane	1.938	64	63009	5.037	ug/l	99
7) Trichlorofluoromethane	2.144	101	117725	4.949	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	74749	4.981	ug/l	98
9) 1,1-Dichloroethene	2.588	96	72239	4.985	ug/l	93
10) Iodomethane	2.729	142	98258	4.916	ug/l	86
11) Allyl Chloride	2.932	41	118456	4.957	ug/l	# 81
12) Acrylonitrile	3.327	53	33908	9.168	ug/l	# 87
13) Acetone	2.636	43	37115	20.163	ug/l	91
14) Carbon Disulfide	2.800	76	237757	4.909	ug/l	99
15) Methylene Chloride	3.054	84	90848	5.246	ug/l	93
16) trans-1,2-Dichloroethene	3.360	96	80691	5.060	ug/l	98
17) 1,1-Dichloroethane	3.881	63	150478	5.052	ug/l	100
18) 2-Butanone	4.733	43	82075	20.656	ug/l	97
19) Cyclohexane	5.388	56	138632	5.067	ug/l	98
20) Methylcyclohexane	6.768	83	147924	5.028	ug/l	98
21) 2,2-Dichloropropane	4.675	77	124107	5.034	ug/l	96
22) cis-1,2-Dichloroethene	4.678	96	87961	4.997	ug/l	95
23) Diethyl Ether	2.385	59	60550	4.931	ug/l	99
24) tert-Butyl Alcohol	3.202	59	54693	71.763	ug/l	95
25) Methyl tert-Butyl Ether	3.379	73	200280	4.902	ug/l	92
26) Bromochloromethane	4.983	128	36564	5.029	ug/l	99
27) Chloroform	5.099	83	143129	5.048	ug/l	97
28) 1,1,1-Trichloroethane	5.324	97	120066	4.977	ug/l	98
29) 1,1-Dichloropropene	5.530	75	114905	4.925	ug/l	99
30) Carbon Tetrachloride	5.527	117	100733	4.977	ug/l	99
31) Isopropyl Ether	4.012	45	251047	4.962	ug/l	95
32) Ethyl-t-butyl ether	4.524	59	244812	4.908	ug/l	97
33) Tert-Amyl methyl ether	5.961	73	211021	4.860	ug/l	99
34) Propionitrile	4.800	54	22899	21.465	ug/l	# 99
35) Benzene	5.781	78	332409	4.995	ug/l	100
36) 1,2-Dichloroethane	5.806	62	94874	5.058	ug/l	97
37) Trichloroethene	6.549	130	84488	4.991	ug/l	93
38) 1,2-Dichloropropane	6.803	63	87863	4.967	ug/l	98
39) Methacrylonitrile	4.993	41	27707	4.679	ug/l	95
40) Methyl acrylate	4.864	55	42608	4.587	ug/l	98
41) Tetrahydrofuran	5.080	42	24968	9.050	ug/l	99
42) 1-Chlorobutane	5.466	56	161851	5.022	ug/l	95
43) Dibromomethane	6.929	93	44457	4.996	ug/l	97
44) Bromodichloromethane	7.115	83	104610	4.974	ug/l	100

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45) 4-Methyl-2-Pentanone	7.810	43	299268	24.698	ug/l	95
46) t-1,4-Dichloro-2-butene	10.838	75	58347m	10.701	ug/l	
47) Methyl methacrylate	6.977	69	97307	9.948	ug/l #	89
48) Ethyl methacrylate	8.347	69	100042	4.931	ug/l	93
49) Toluene	7.977	92	212263	4.957	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	109850	4.850	ug/l	98
51) cis-1,3-Dichloropropene	7.617	75	128184	4.877	ug/l	93
52) 1,1,2-Trichloroethane	8.411	97	65270	5.081	ug/l	97
53) 1,3-Dichloropropane	8.584	76	118438	5.000	ug/l	100
54) 2-Hexanone	8.700	43	213222	24.615	ug/l	93
55) Dibromochloromethane	8.819	129	70851	4.942	ug/l	99
56) 1,2-Dibromoethane	8.932	107	63135	4.973	ug/l	98
58) Tetrachloroethene	8.559	164	72206	4.979	ug/l	98
59) Chlorobenzene	9.453	112	225149	4.976	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.543	131	74929	4.922	ug/l	98
61) Pentachloroethane	11.436	117	59578	4.908	ug/l	97
62) Hexachloroethane	12.481	117	62099	4.752	ug/l	100
63) Ethyl Benzene	9.578	91	403747	4.949	ug/l	100
64) m/p-Xylenes	9.700	106	312461	10.024	ug/l	100
65) o-Xylene	10.105	106	150852	5.003	ug/l	97
66) Styrene	10.121	104	258488	4.944	ug/l	98
67) Bromoform	10.298	173	39651	4.737	ug/l	100
69) Isopropylbenzene	10.491	105	397352	4.931	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	86256	4.995	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	65908m	4.492	ug/l	
72) Bromobenzene	10.790	156	91555	5.008	ug/l	97
73) n-propylbenzene	10.912	120	107655	4.882	ug/l	95
74) 2-Chlorotoluene	10.993	126	89461	4.933	ug/l	88
75) 1,3,5-Trimethylbenzene	11.092	105	338533	4.981	ug/l	100
76) 4-Chlorotoluene	11.102	126	94733	5.024	ug/l	99
77) tert-Butylbenzene	11.427	119	329250	4.942	ug/l	100
78) 1,2,4-Trimethylbenzene	11.472	105	342421	4.902	ug/l	100
79) sec-Butylbenzene	11.649	105	448721	4.926	ug/l	98
80) Nitrobenzene	13.215	77	12175	21.468	ug/l #	98
81) p-Isopropyltoluene	11.800	119	372911	4.905	ug/l	98
82) 1,3-Dichlorobenzene	11.752	146	181963	5.028	ug/l	99
83) 1,4-Dichlorobenzene	11.842	146	180158	4.945	ug/l	99
84) n-Butylbenzene	12.215	91	367183	4.832	ug/l	99
85) 1,2-Dichlorobenzene	12.218	146	173424	4.949	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.002	75	15279	4.837	ug/l	98
87) 1,2,4-Trichlorobenzene	13.848	180	125126	4.807	ug/l	98
88) Hexachlorobutadiene	14.028	225	60345	4.872	ug/l	99
89) Naphthalene	14.092	128	252754	4.754	ug/l	99
90) 1,2,3-Trichlorobenzene	14.337	180	114636	4.888	ug/l	98

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

