

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030921\
 Data File : VU042538.D
 Acq On : 09 Mar 2021 13:33
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU030921

Manual Integrations
 APPROVED

SAM
 3/12/2021 5:18:38 PM

Quant Time: Mar 10 06:47:36 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	21736	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	9911	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	10396	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	62063	6.99	ug/l	97
3) Chloromethane	1.523	50	67300	8.62	ug/l	99
4) Vinyl Chloride	1.607	62	68663	8.99	ug/l	98
5) Bromomethane	1.864	94	42407	9.30	ug/l	98
6) Chloroethane	1.938	64	42583	9.17	ug/l	97
7) Trichlorofluoromethane	2.147	101	115249	9.18	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	57303	8.91	ug/l	98
9) 1,1-Dichloroethene	2.591	96	52621	9.47	ug/l	99
10) Iodomethane	2.732	142	83497	9.40	ug/l	99
11) Allyl Chloride	2.932	41	103522	9.78	ug/l	97
12) Acrylonitrile	3.330	53	73601	54.06	ug/l	# 85
13) Acetone	2.636	43	62420	70.45	ug/l	99
14) Carbon Disulfide	2.803	76	160059	8.84	ug/l	100
15) Methylene Chloride	3.054	84	60016	9.27	ug/l	98
16) trans-1,2-Dichloroethene	3.363	96	58800	9.88	ug/l	98
17) 1,1-Dichloroethane	3.880	63	117866	9.91	ug/l	98
18) 2-Butanone	4.732	43	95127	53.25	ug/l	98
19) Cyclohexane	5.391	56	95225m	8.72	ug/l	
20) Methylcyclohexane	6.768	83	96925	10.01	ug/l	99
21) 2,2-Dichloropropane	4.678	77	107826	9.61	ug/l	100
22) cis-1,2-Dichloroethene	4.678	96	67917	10.49	ug/l	96
23) Diethyl Ether	2.385	59	43005	9.26	ug/l	97
24) tert-Butyl Alcohol	3.208	59	15284	60.18	ug/l	# 84
25) Methyl tert-Butyl Ether	3.379	73	156993	10.04	ug/l	99
26) Bromochloromethane	4.986	128	31055	9.82	ug/l	98
27) Chloroform	5.102	83	120889	9.88	ug/l	97
28) 1,1,1-Trichloroethane	5.324	97	109073	9.66	ug/l	98
29) 1,1-Dichloropropene	5.533	75	82897	9.91	ug/l	99
30) Carbon Tetrachloride	5.530	117	93380	9.83	ug/l	99
31) Isopropyl Ether	4.012	45	215449	10.30	ug/l	# 1
34) Propionitrile	4.800	54	44760	116.72	ug/l	99
35) Benzene	5.784	78	240928	10.30	ug/l	98
36) 1,2-Dichloroethane	5.809	62	90949	10.13	ug/l	99
37) Trichloroethene	6.552	130	65899	9.88	ug/l	97
38) 1,2-Dichloropropane	6.803	63	66768	10.24	ug/l	98
39) Methacrylonitrile	4.993	41	27166	10.15	ug/l	95
40) Methyl acrylate	4.864	55	38356	10.29	ug/l	# 89
41) Tetrahydrofuran	5.080	42	63226	50.57	ug/l	95
42) 1-Chlorobutane	5.469	56	120682	9.69	ug/l	98
43) Dibromomethane	6.928	93	38158	10.31	ug/l	98
44) Bromodichloromethane	7.118	83	93729	10.89	ug/l	97
45) 4-Methyl-2-Pentanone	7.809	43	282631	52.21	ug/l	99
46) t-1,4-Dichloro-2-butene	10.845	75	22130m	10.75	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030921\
 Data File : VU042538.D
 Acq On : 09 Mar 2021 13:33
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU030921

Manual Integrations
 APPROVED

SAM
 3/12/2021 5:18:38 PM

Quant Time: Mar 10 06:47:36 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)
47) Methyl methacrylate	6.977	69	35550	10.63	ug/l	99
48) Ethyl methacrylate	8.346	69	67722	10.14	ug/l	97
49) Toluene	7.980	92	155201	10.41	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	90113	11.07	ug/l	99
51) cis-1,3-Dichloropropene	7.620	75	100531	11.31	ug/l	100
52) 1,1,2-Trichloroethane	8.411	97	51491	10.58	ug/l	98
53) 1,3-Dichloropropane	8.587	76	88603	10.20	ug/l	99
54) 2-Hexanone	8.700	43	211900	54.19	ug/l	99
55) Dibromochloromethane	8.822	129	66249	10.94	ug/l	99
56) 1,2-Dibromoethane	8.935	107	52624	10.47	ug/l	98
58) Tetrachloroethene	8.562	164	64095	9.78	ug/l	95
59) Chlorobenzene	9.456	112	169887	10.37	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.546	131	67535	10.85	ug/l	99
61) Pentachloroethane	11.436	117	55664	10.91	ug/l	97
62) Hexachloroethane	12.484	117	57308	9.30	ug/l	98
63) Ethyl Benzene	9.578	91	316302	11.01	ug/l	99
64) m/p-Xylenes	9.703	106	238683	21.87	ug/l	98
65) o-Xylene	10.108	106	113475	10.71	ug/l	100
66) Styrene	10.121	104	198486	10.96	ug/l	100
67) Bromoform	10.301	173	43852	11.13	ug/l	99
69) Isopropylbenzene	10.494	105	325195	11.25	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.793	83	71222	10.70	ug/l	96
71) 1,2,3-Trichloropropane	10.835	75	55560m	10.27	ug/l	
72) Bromobenzene	10.790	156	84018	10.73	ug/l	97
73) n-propylbenzene	10.915	120	87854	11.08	ug/l	96
74) 2-Chlorotoluene	10.996	126	78243	11.00	ug/l	100
75) 1,3,5-Trimethylbenzene	11.095	105	298981	11.61	ug/l	99
76) 4-Chlorotoluene	11.105	126	83933	11.22	ug/l	99
77) tert-Butylbenzene	11.430	119	283120	11.03	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	302383	9.58	ug/l	100
79) sec-Butylbenzene	11.652	105	347780	8.75	ug/l	99
80) Nitrobenzene	13.217	77	2560	14.46	ug/l #	92
81) p-Isopropyltoluene	11.803	119	328993	9.55	ug/l	100
82) 1,3-Dichlorobenzene	11.755	146	165439	10.83	ug/l	99
83) 1,4-Dichlorobenzene	11.845	146	165494	10.75	ug/l	99
84) n-Butylbenzene	12.217	91	315440	9.53	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	159134	10.56	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	14203	9.32	ug/l	98
87) 1,2,4-Trichlorobenzene	13.851	180	125371	9.87	ug/l	99
88) Hexachlorobutadiene	14.031	225	76086	11.31	ug/l	99
89) Naphthalene	14.095	128	222545	9.84	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	118236	9.89	ug/l	99

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

