

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060221\
 Data File : VU044031.D
 Acq On : 02 Jun 2021 20:34
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU060221

Manual Integrations
 APPROVED

SAM
 6/3/2021 5:47:08 PM

Quant Time: Jun 03 11:22:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 03 11:17:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	17845	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	7534	1.214	ug/l	0.00
Spiked Amount 1.000			Recovery	=	121.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	7216	1.091	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.392	85	51031	6.792	ug/l	98
3) Chloromethane	1.527	50	66033	8.148	ug/l	100
4) Vinyl Chloride	1.610	62	67217	8.794	ug/l	100
5) Bromomethane	1.864	94	40178	8.820	ug/l	99
6) Chloroethane	1.941	64	41595	8.920	ug/l	98
7) Trichlorofluoromethane	2.147	101	82620	9.625	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	46635	9.421	ug/l	99
9) 1,1-Dichloroethene	2.591	96	47025	10.059	ug/l	99
10) Iodomethane	2.732	142	62109	10.320	ug/l	99
11) Allyl Chloride	2.935	41	77452	10.283	ug/l	98
12) Acrylonitrile	3.330	53	42886	44.993	ug/l	92
13) Acetone	2.639	43	25715	43.976	ug/l	100
14) Carbon Disulfide	2.803	76	150737	9.353	ug/l	99
15) Methylene Chloride	3.057	84	56350	10.273	ug/l	99
16) trans-1,2-Dichloroethene	3.363	96	52738	10.206	ug/l	97
17) 1,1-Dichloroethane	3.883	63	102848	10.360	ug/l	99
18) 2-Butanone	4.736	43	49159	41.035	ug/l	99
19) Cyclohexane	5.391	56	83095m	8.816	ug/l	
20) Methylcyclohexane	6.771	83	78068	10.357	ug/l	99
21) 2,2-Dichloropropane	4.678	77	75632	9.605	ug/l	98
22) cis-1,2-Dichloroethene	4.678	96	59761	10.839	ug/l	99
23) Diethyl Ether	2.388	59	37562	9.822	ug/l	99
24) tert-Butyl Alcohol	3.205	59	23729m	53.267	ug/l	
25) Methyl tert-Butyl Ether	3.382	73	107736	9.170	ug/l	98
26) Bromochloromethane	4.986	128	20574	9.223	ug/l	96
27) Chloroform	5.102	83	100252	10.351	ug/l	97
28) 1,1,1-Trichloroethane	5.324	97	83844	10.251	ug/l	100
29) 1,1-Dichloropropene	5.533	75	78981	10.313	ug/l	99
30) Carbon Tetrachloride	5.530	117	76253	10.693	ug/l	98
31) Isopropyl Ether	4.015	45	150796	9.568	ug/l	# 1
34) Propionitrile	4.803	54	25560	61.185	ug/l	97
35) Benzene	5.781	78	238056	10.700	ug/l	100
36) 1,2-Dichloroethane	5.809	62	69512	10.689	ug/l	99
37) Trichloroethene	6.549	130	54923	10.670	ug/l	100
38) 1,2-Dichloropropane	6.803	63	64317	10.955	ug/l	100
39) Methacrylonitrile	4.996	41	16419	9.263	ug/l	95
40) Methyl acrylate	4.867	55	25614	8.994	ug/l	# 88
41) Tetrahydrofuran	5.083	42	34128	38.410	ug/l	# 94
42) 1-Chlorobutane	5.465	56	101284	9.182	ug/l	98
43) Dibromomethane	6.928	93	31592	10.947	ug/l	99
44) Bromodichloromethane	7.118	83	80609	11.206	ug/l	99
45) 4-Methyl-2-Pentanone	7.813	43	186995	58.540	ug/l	100
46) t-1,4-Dichloro-2-butene	10.841	75	18250m	12.851	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.980	69	27250	11.128	ug/l	99
48) Ethyl methacrylate	8.346	69	52533	11.793	ug/l	99
49) Toluene	7.977	92	145986	11.880	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	71734	11.514	ug/l	100
51) cis-1,3-Dichloropropene	7.616	75	82032	11.704	ug/l	99
52) 1,1,2-Trichloroethane	8.411	97	46134	11.103	ug/l	97
53) 1,3-Dichloropropane	8.584	76	80252	11.012	ug/l	98
54) 2-Hexanone	8.703	43	131476	59.491	ug/l	100
55) Dibromochloromethane	8.819	129	50855	11.189	ug/l	99
56) 1,2-Dibromoethane	8.935	107	42079	11.421	ug/l	99
58) Tetrachloroethene	8.562	164	54569	11.416	ug/l	98
59) Chlorobenzene	9.456	112	142624	11.053	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	52791	10.793	ug/l	98
61) Pentachloroethane	11.433	117	43891	11.091	ug/l	100
62) Hexachloroethane	12.484	117	39748	10.120	ug/l	99
63) Ethyl Benzene	9.578	91	270362	10.312	ug/l	100
64) m/p-Xylenes	9.700	106	219465	21.066	ug/l	100
65) o-Xylene	10.108	106	100155	10.398	ug/l	99
66) Styrene	10.121	104	179272	10.386	ug/l	100
67) Bromoform	10.298	173	27947	11.216	ug/l	98
69) Isopropylbenzene	10.491	105	276312	10.768	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	58990	10.819	ug/l	99
71) 1,2,3-Trichloropropane	10.832	75	40040m	9.724	ug/l	
72) Bromobenzene	10.790	156	62072	11.817	ug/l	97
73) n-propylbenzene	10.912	120	76189	10.482	ug/l	100
74) 2-Chlorotoluene	10.993	126	63867	12.212	ug/l	97
75) 1,3,5-Trimethylbenzene	11.095	105	250051	10.748	ug/l	100
76) 4-Chlorotoluene	11.105	126	70193	12.412	ug/l	99
77) tert-Butylbenzene	11.427	119	220479	12.351	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	253621	10.579	ug/l	99
79) sec-Butylbenzene	11.652	105	303028	10.029	ug/l	100
80) Nitrobenzene	13.214	77	1896	11.616	ug/l #	88
81) p-Isopropyltoluene	11.800	119	268537	10.583	ug/l	99
82) 1,3-Dichlorobenzene	11.751	146	131926	11.504	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	131924	11.551	ug/l	99
84) n-Butylbenzene	12.218	91	262127	10.467	ug/l	100
85) 1,2-Dichlorobenzene	12.221	146	124313	11.382	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.005	75	9099	10.989	ug/l	98
87) 1,2,4-Trichlorobenzene	13.848	180	82410	12.802	ug/l	98
88) Hexachlorobutadiene	14.028	225	48366	11.565	ug/l	99
89) Naphthalene	14.095	128	146568	10.399	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	76510	12.333	ug/l	99

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

