

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012821\
 Data File : VU042207.D
 Acq On : 28 Jan 2021 16:12
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

SAM
 2/3/2021 5:10:41 PM

Quant Time: Jan 29 07:40:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012821DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jan 29 07:37:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.125	96	14027	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	5434	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	12.202	152	5878	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.389	85	114589	21.18	ug/l	99
3) Chloromethane	1.524	50	99840	20.06	ug/l	99
4) Vinyl Chloride	1.607	62	101322	21.55	ug/l	99
5) Bromomethane	1.861	94	51224	16.87	ug/l	99
6) Chloroethane	1.938	64	55298	20.42	ug/l	100
7) Trichlorofluoromethane	2.144	101	139995	21.09	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	76116	21.39	ug/l	99
9) 1,1-Dichloroethene	2.588	96	67715	21.07	ug/l	97
10) Iodomethane	2.733	142	106398	24.03	ug/l	100
11) Allyl Chloride	2.932	41	135730	21.60	ug/l	97
12) Acrylonitrile	3.327	53	34791	45.78	ug/l	100
13) Acetone	2.636	43	54921	102.78	ug/l	99
14) Carbon Disulfide	2.803	76	223507	21.12	ug/l	99
15) Methylene Chloride	3.054	84	72411	19.81	ug/l	97
16) trans-1,2-Dichloroethene	3.363	96	72965	21.33	ug/l	99
17) 1,1-Dichloroethane	3.880	63	144514	21.53	ug/l	99
18) 2-Butanone	4.732	43	110646	110.31	ug/l	97
19) Cyclohexane	5.392	56	138689m	22.66	ug/l	
20) Methylcyclohexane	6.771	83	149035	22.36	ug/l	100
21) 2,2-Dichloropropane	4.678	77	132970	20.13	ug/l	100
22) cis-1,2-Dichloroethene	4.678	96	80542	21.32	ug/l	97
23) Diethyl Ether	2.382	59	56173	21.22	ug/l	99
24) tert-Butyl Alcohol	3.218	59	38806	182.82	ug/l #	84
25) Methyl tert-Butyl Ether	3.379	73	198935	21.25	ug/l	97
26) Bromochloromethane	4.986	128	36962	21.35	ug/l	99
27) Chloroform	5.102	83	140123	20.83	ug/l	97
28) 1,1,1-Trichloroethane	5.324	97	131264	20.73	ug/l	99
29) 1,1-Dichloropropene	5.533	75	124505	22.64	ug/l	99
30) Carbon Tetrachloride	5.533	117	128914	22.19	ug/l	98
31) Isopropyl Ether	4.012	45	265503	21.43	ug/l	99
32) Ethyl-t-butyl ether	4.523	59	240189	21.39	ug/l	99
33) Tert-Amyl methyl ether	5.961	73	222578	21.51	ug/l	100
34) Propionitrile	4.803	54	27365	106.92	ug/l	98
35) Benzene	5.784	78	330364	21.86	ug/l	100
36) 1,2-Dichloroethane	5.810	62	118055	22.01	ug/l	100
37) Trichloroethene	6.552	130	89529	21.94	ug/l	99
38) 1,2-Dichloropropane	6.803	63	89888	22.08	ug/l	99
39) Methacrylonitrile	4.993	41	33516	21.17	ug/l	99
40) Methyl acrylate	4.864	55	45287	21.18	ug/l	98
41) Tetrahydrofuran	5.080	42	29244	37.41	ug/l	99
42) 1-Chlorobutane	5.466	56	174410	21.18	ug/l	99
43) Dibromomethane	6.932	93	48902	22.46	ug/l	99
44) Bromodichloromethane	7.118	83	120571	22.08	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	382726	112.79	ug/l	99
46) t-1,4-Dichloro-2-butene	10.848	75	59956m	50.00	ug/l	
47) Methyl methacrylate	6.977	69	101834	45.69	ug/l	99
48) Ethyl methacrylate	8.346	69	105002	23.04	ug/l	98
49) Toluene	7.980	92	209782	21.96	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	125973	23.34	ug/l	100
51) cis-1,3-Dichloropropene	7.620	75	139771	22.87	ug/l	98
52) 1,1,2-Trichloroethane	8.411	97	65802	22.36	ug/l	99
53) 1,3-Dichloropropane	8.588	76	117943	22.08	ug/l	100
54) 2-Hexanone	8.703	43	280590	118.31	ug/l	99
55) Dibromochloromethane	8.822	129	84975	23.02	ug/l	97
56) 1,2-Dibromoethane	8.935	107	67406	22.41	ug/l	100
58) Tetrachloroethene	8.562	164	78239	19.90	ug/l	99
59) Chlorobenzene	9.456	112	228556	22.64	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.546	131	87558	22.27	ug/l	100
61) Pentachloroethane	11.440	117	70655	25.48	ug/l	97
62) Hexachloroethane	12.485	117	73371	24.53	ug/l	100
63) Ethyl Benzene	9.578	91	411298	22.48	ug/l	100
64) m/p-Xylenes	9.703	106	302740	44.53	ug/l	98
65) o-Xylene	10.108	106	149041	22.25	ug/l	99
66) Styrene	10.124	104	256919	22.85	ug/l	99
67) Bromoform	10.301	173	54481	22.77	ug/l	98
69) Isopropylbenzene	10.494	105	406998	22.53	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	87216	23.61	ug/l	99
71) 1,2,3-Trichloropropane	10.842	75	60365m	20.41	ug/l	
72) Bromobenzene	10.790	156	102235	22.46	ug/l	100
73) n-propylbenzene	10.915	120	111316	23.76	ug/l	99
74) 2-Chlorotoluene	10.996	126	96259	22.84	ug/l	99
75) 1,3,5-Trimethylbenzene	11.099	105	350802	22.96	ug/l	99
76) 4-Chlorotoluene	11.105	126	100367	23.29	ug/l	99
77) tert-Butylbenzene	11.430	119	354338	23.24	ug/l	99
78) 1,2,4-Trimethylbenzene	11.478	105	358336	23.53	ug/l	100
79) sec-Butylbenzene	11.652	105	450107	23.31	ug/l	100
80) Nitrobenzene	13.218	77	17591	163.82	ug/l	98
81) p-Isopropyltoluene	11.803	119	389788	23.98	ug/l	99
82) 1,3-Dichlorobenzene	11.755	146	196418	23.44	ug/l	100
83) 1,4-Dichlorobenzene	11.845	146	195581	23.59	ug/l	99
84) n-Butylbenzene	12.218	91	378108	26.36	ug/l	100
85) 1,2-Dichlorobenzene	12.221	146	187542	23.14	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	19199	25.56	ug/l	99
87) 1,2,4-Trichlorobenzene	13.851	180	154438	28.10	ug/l	99
88) Hexachlorobutadiene	14.031	225	83828	25.61	ug/l	99
89) Naphthalene	14.095	128	294650	30.04	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	141668	27.27	ug/l	100

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

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