

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012821\
 Data File : VU042206.D
 Acq On : 28 Jan 2021 15:32
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

SAM
 2/3/2021 5:09:54 PM

Quant Time: Jan 29 07:40:05 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	15027	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	5906	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	5918	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	58690	10.13	ug/l	100
3) Chloromethane	1.523	50	51091	9.58	ug/l	100
4) Vinyl Chloride	1.607	62	50979	10.12	ug/l	100
5) Bromomethane	1.861	94	22857	7.02	ug/l	100
6) Chloroethane	1.938	64	28273	9.75	ug/l	100
7) Trichlorofluoromethane	2.144	101	71798	10.10	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	38980	10.23	ug/l	100
9) 1,1-Dichloroethene	2.588	96	34414	10.00	ug/l	100
10) Iodomethane	2.729	142	53674	11.31	ug/l	100
11) Allyl Chloride	2.932	41	67738	10.06	ug/l	100
12) Acrylonitrile	3.327	53	18222	22.38	ug/l	100
13) Acetone	2.639	43	29914	52.26	ug/l	100
14) Carbon Disulfide	2.800	76	113215	9.99	ug/l	100
15) Methylene Chloride	3.054	84	38054	9.72	ug/l	100
16) trans-1,2-Dichloroethene	3.359	96	37776	10.31	ug/l	100
17) 1,1-Dichloroethane	3.880	63	74315	10.33	ug/l	100
18) 2-Butanone	4.732	43	57212	53.24	ug/l	100
19) Cyclohexane	5.391	56	74244m	11.32	ug/l	
20) Methylcyclohexane	6.771	83	75747	10.61	ug/l	100
21) 2,2-Dichloropropane	4.674	77	69628	9.84	ug/l	100
22) cis-1,2-Dichloroethene	4.678	96	40962	10.12	ug/l	100
23) Diethyl Ether	2.382	59	28935	10.21	ug/l	100
24) tert-Butyl Alcohol	3.221	59	22321	98.16	ug/l	100
25) Methyl tert-Butyl Ether	3.379	73	101282	10.10	ug/l	100
26) Bromochloromethane	4.986	128	19125	10.31	ug/l	100
27) Chloroform	5.099	83	72893	10.12	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	67232	9.91	ug/l	100
29) 1,1-Dichloropropene	5.533	75	63325	10.75	ug/l	100
30) Carbon Tetrachloride	5.533	117	65395	10.51	ug/l	100
31) Isopropyl Ether	4.012	45	135287	10.19	ug/l	100
32) Ethyl-t-butyl ether	4.523	59	124180	10.32	ug/l	100
33) Tert-Amyl methyl ether	5.961	73	114395	10.32	ug/l	100
34) Propionitrile	4.803	54	15090	55.04	ug/l	100
35) Benzene	5.784	78	168496	10.41	ug/l	100
36) 1,2-Dichloroethane	5.809	62	60609	10.55	ug/l	100
37) Trichloroethene	6.552	130	45988	10.52	ug/l	100
38) 1,2-Dichloropropane	6.803	63	46469	10.66	ug/l	100
39) Methacrylonitrile	4.993	41	17352	10.23	ug/l	100
40) Methyl acrylate	4.864	55	24031	10.49	ug/l	100
41) Tetrahydrofuran	5.080	42	15205	18.16	ug/l	100
42) 1-Chlorobutane	5.465	56	90691	10.28	ug/l	100
43) Dibromomethane	6.932	93	24406	10.46	ug/l	100
44) Bromodichloromethane	7.118	83	59895	10.24	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	194467	53.50	ug/l	100
46) t-1,4-Dichloro-2-butene	10.851	75	27554m	21.45	ug/l	
47) Methyl methacrylate	6.977	69	50926	21.33	ug/l	100
48) Ethyl methacrylate	8.346	69	51814	10.61	ug/l	100
49) Toluene	7.980	92	105552	10.31	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	62285	10.77	ug/l	100
51) cis-1,3-Dichloropropene	7.620	75	69766	10.65	ug/l	100
52) 1,1,2-Trichloroethane	8.411	97	32606	10.34	ug/l	100
53) 1,3-Dichloropropane	8.587	76	59434	10.39	ug/l	100
54) 2-Hexanone	8.703	43	141534	55.71	ug/l	100
55) Dibromochloromethane	8.819	129	41131	10.40	ug/l	100
56) 1,2-Dibromoethane	8.935	107	33740	10.47	ug/l	100
58) Tetrachloroethene	8.562	164	39732	9.43	ug/l	100
59) Chlorobenzene	9.456	112	114286	10.57	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.542	131	43174	10.25	ug/l	100
61) Pentachloroethane	11.436	117	35087	11.81	ug/l	100
62) Hexachloroethane	12.484	117	34916	10.90	ug/l	100
63) Ethyl Benzene	9.578	91	209274	10.68	ug/l	100
64) m/p-Xylenes	9.703	106	154742	21.25	ug/l	100
65) o-Xylene	10.108	106	75383	10.50	ug/l	100
66) Styrene	10.121	104	129394	10.74	ug/l	100
67) Bromoform	10.301	173	25991	10.14	ug/l	100
69) Isopropylbenzene	10.494	105	204892	10.59	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	44278	11.19	ug/l	100
71) 1,2,3-Trichloropropane	10.838	75	34784m	10.98	ug/l	
72) Bromobenzene	10.790	156	51574	10.58	ug/l	100
73) n-propylbenzene	10.915	120	55311	11.02	ug/l	100
74) 2-Chlorotoluene	10.996	126	48877	10.82	ug/l	100
75) 1,3,5-Trimethylbenzene	11.095	105	177328	10.83	ug/l	100
76) 4-Chlorotoluene	11.105	126	49711	10.77	ug/l	100
77) tert-Butylbenzene	11.430	119	177145	10.84	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	177795	10.90	ug/l	100
79) sec-Butylbenzene	11.652	105	224965	10.87	ug/l	100
80) Nitrobenzene	13.221	77	7101	61.73	ug/l	100
81) p-Isopropyltoluene	11.803	119	193021	11.08	ug/l	100
82) 1,3-Dichlorobenzene	11.755	146	97208	10.83	ug/l	100
83) 1,4-Dichlorobenzene	11.845	146	97403	10.96	ug/l	100
84) n-Butylbenzene	12.218	91	185073	12.05	ug/l	100
85) 1,2-Dichlorobenzene	12.221	146	95051	10.95	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.008	75	9215	11.45	ug/l	100
87) 1,2,4-Trichlorobenzene	13.851	180	74776	12.70	ug/l	100
88) Hexachlorobutadiene	14.031	225	41579	11.86	ug/l	100
89) Naphthalene	14.095	128	139791	13.30	ug/l	100
90) 1,2,3-Trichlorobenzene	14.340	180	68050	12.23	ug/l	100

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

