

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012921\
 Data File : VU042226.D
 Acq On : 29 Jan 2021 18:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

SAM
 2/4/2021 1:04:41 PM

Quant Time: Jan 30 00:53:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012821DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jan 29 09:59:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.124	96	12278	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	4837	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	5034	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	46568	9.73	ug/l	98
3) Chloromethane	1.523	50	40064	9.18	ug/l	98
4) Vinyl Chloride	1.610	62	40994	9.85	ug/l	100
5) Bromomethane	1.864	94	21965	10.64	ug/l	99
6) Chloroethane	1.938	64	23818	10.23	ug/l	98
7) Trichlorofluoromethane	2.147	101	60885	10.46	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	32461	10.42	ug/l	99
9) 1,1-Dichloroethene	2.588	96	29248	10.48	ug/l	97
10) Iodomethane	2.732	142	45736	11.19	ug/l	100
11) Allyl Chloride	2.932	41	57400	10.07	ug/l	100
12) Acrylonitrile	3.327	53	14646	20.42	ug/l	97
13) Acetone	2.636	43	23436	49.07	ug/l	97
14) Carbon Disulfide	2.803	76	94104	10.28	ug/l	100
15) Methylene Chloride	3.057	84	33241	9.52	ug/l	97
16) trans-1,2-Dichloroethene	3.362	96	31580	10.49	ug/l	98
17) 1,1-Dichloroethane	3.880	63	62112	10.34	ug/l	99
18) 2-Butanone	4.729	43	46538	49.50	ug/l	98
19) Cyclohexane	5.391	56	59330m	9.90	ug/l	
20) Methylcyclohexane	6.768	83	61184	9.89	ug/l	99
21) 2,2-Dichloropropane	4.678	77	56090	9.79	ug/l	99
22) cis-1,2-Dichloroethene	4.678	96	34333	10.25	ug/l	99
23) Diethyl Ether	2.385	59	24295	10.62	ug/l	98
24) tert-Butyl Alcohol	3.215	59	16033	93.54	ug/l	97
25) Methyl tert-Butyl Ether	3.379	73	83911	10.09	ug/l	99
26) Bromochloromethane	4.986	128	15836	10.43	ug/l	97
27) Chloroform	5.102	83	61581	10.35	ug/l	98
28) 1,1,1-Trichloroethane	5.327	97	56724	10.31	ug/l	99
29) 1,1-Dichloropropene	5.533	75	51815	10.15	ug/l	99
30) Carbon Tetrachloride	5.533	117	54037	10.39	ug/l	99
31) Isopropyl Ether	4.012	45	113029	10.11	ug/l	99
32) Ethyl-t-butyl ether	4.523	59	101813	10.13	ug/l	99
33) Tert-Amyl methyl ether	5.960	73	91233	9.70	ug/l	100
34) Propionitrile	4.800	54	11053	46.20	ug/l	# 96
35) Benzene	5.784	78	138708	10.21	ug/l	100
36) 1,2-Dichloroethane	5.806	62	50897	10.38	ug/l	99
37) Trichloroethene	6.552	130	37089	10.18	ug/l	100
38) 1,2-Dichloropropane	6.803	63	37726	10.19	ug/l	98
39) Methacrylonitrile	4.993	41	14524	10.41	ug/l	98
40) Methyl acrylate	4.864	55	19565	10.38	ug/l	99
41) Tetrahydrofuran	5.079	42	12071	20.16	ug/l	99
42) 1-Chlorobutane	5.469	56	72784	9.76	ug/l	100
43) Dibromomethane	6.931	93	20804	10.74	ug/l	98
44) Bromodichloromethane	7.118	83	49394	10.41	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	164328	51.00	ug/l	100
46) t-1,4-Dichloro-2-butene	10.845	75	22441m	21.68	ug/l	
47) Methyl methacrylate	6.976	69	42197	21.03	ug/l	99
48) Ethyl methacrylate	8.346	69	43256	10.19	ug/l	98
49) Toluene	7.976	92	87945	10.40	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	51107	10.52	ug/l	99
51) cis-1,3-Dichloropropene	7.616	75	56057	10.30	ug/l	99
52) 1,1,2-Trichloroethane	8.411	97	27554	10.39	ug/l	98
53) 1,3-Dichloropropane	8.587	76	49808	10.35	ug/l	99
54) 2-Hexanone	8.700	43	118854	50.90	ug/l	99
55) Dibromochloromethane	8.819	129	34682	10.84	ug/l	98
56) 1,2-Dibromoethane	8.935	107	27614	10.50	ug/l	98
58) Tetrachloroethene	8.562	164	32744	10.28	ug/l	99
59) Chlorobenzene	9.456	112	95415	10.38	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.546	131	35507	10.28	ug/l	100
61) Pentachloroethane	11.436	117	28813	10.61	ug/l	99
62) Hexachloroethane	12.484	117	29129	10.84	ug/l	98
63) Ethyl Benzene	9.578	91	172752	10.35	ug/l	99
64) m/p-Xylenes	9.703	106	129062	20.81	ug/l	100
65) o-Xylene	10.108	106	63195	10.34	ug/l	100
66) Styrene	10.121	104	107669	10.50	ug/l	99
67) Bromoform	10.301	173	21692	10.79	ug/l	99
69) Isopropylbenzene	10.494	105	170963	10.38	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	36175	10.36	ug/l	99
71) 1,2,3-Trichloropropane	10.841	75	25423m	9.25	ug/l	
72) Bromobenzene	10.790	156	43139	10.38	ug/l	100
73) n-propylbenzene	10.915	120	46192	10.53	ug/l	97
74) 2-Chlorotoluene	10.996	126	40356	10.32	ug/l	94
75) 1,3,5-Trimethylbenzene	11.095	105	148567	10.39	ug/l	100
76) 4-Chlorotoluene	11.105	126	42434	10.70	ug/l	99
77) tert-Butylbenzene	11.430	119	148183	10.46	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	150624	10.48	ug/l	100
79) sec-Butylbenzene	11.652	105	191375	10.49	ug/l	100
80) Nitrobenzene	13.221	77	5245	53.71	ug/l	97
81) p-Isopropyltoluene	11.803	119	163952	10.58	ug/l	99
82) 1,3-Dichlorobenzene	11.754	146	82624	10.53	ug/l	99
83) 1,4-Dichlorobenzene	11.844	146	82545	10.45	ug/l	100
84) n-Butylbenzene	12.217	91	157555	10.64	ug/l	100
85) 1,2-Dichlorobenzene	12.221	146	79801	10.45	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.005	75	7616	10.68	ug/l	99
87) 1,2,4-Trichlorobenzene	13.851	180	63989	10.91	ug/l	99
88) Hexachlorobutadiene	14.031	225	35455	10.72	ug/l	99
89) Naphthalene	14.095	128	116720	10.63	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	57710	10.80	ug/l	99

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

