

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030921\
 Data File : VU042534.D
 Acq On : 09 Mar 2021 11:25
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

SAM
 3/12/2021 5:18:56 PM

Quant Time: Mar 10 06:03:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 10 05:59:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	20658	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	9034	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
68) 1,2-Dichlorobenzene-d4	12.202	152	8988	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.389	85	15378	1.88	ug/l	97
3) Chloromethane	1.524	50	13460	1.81	ug/l	93
4) Vinyl Chloride	1.607	62	13352	1.88	ug/l	99
5) Bromomethane	1.864	94	7903	2.14	ug/l	99
6) Chloroethane	1.942	64	8431	2.09	ug/l	96
7) Trichlorofluoromethane	2.147	101	21453	2.10	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	10891	2.01	ug/l	96
9) 1,1-Dichloroethene	2.588	96	9609	1.98	ug/l	98
10) Iodomethane	2.733	142	15208	2.12	ug/l	99
11) Allyl Chloride	2.932	41	17801	1.82	ug/l	95
12) Acrylonitrile	3.327	53	5518	4.61	ug/l	# 74
13) Acetone	2.636	43	7546	9.41	ug/l	92
14) Carbon Disulfide	2.803	76	30886	1.95	ug/l	99
15) Methylene Chloride	3.054	84	10961	1.82	ug/l	97
16) trans-1,2-Dichloroethene	3.360	96	10751	2.07	ug/l	97
17) 1,1-Dichloroethane	3.880	63	20747	2.00	ug/l	100
18) 2-Butanone	4.736	43	15322	9.56	ug/l	98
19) Cyclohexane	5.392	56	18463m	1.81	ug/l	
20) Methylcyclohexane	6.771	83	16210	1.56	ug/l	97
21) 2,2-Dichloropropane	4.675	77	19148	1.94	ug/l	95
22) cis-1,2-Dichloroethene	4.675	96	11203	1.94	ug/l	96
23) Diethyl Ether	2.385	59	7950	2.01	ug/l	97
24) tert-Butyl Alcohol	3.212	59	3983	13.66	ug/l	97
25) Methyl tert-Butyl Ether	3.379	73	27030	1.89	ug/l	97
26) Bromochloromethane	4.986	128	5401	2.05	ug/l	97
27) Chloroform	5.102	83	21273	2.05	ug/l	97
28) 1,1,1-Trichloroethane	5.324	97	19366	2.01	ug/l	98
29) 1,1-Dichloropropene	5.533	75	14661	1.71	ug/l	99
30) Carbon Tetrachloride	5.530	117	16375	1.85	ug/l	96
31) Isopropyl Ether	4.012	45	35537	1.85	ug/l	95
32) Ethyl-t-butyl ether	4.523	59	32260	1.88	ug/l	99
33) Tert-Amyl methyl ether	5.961	73	24261	1.54	ug/l	98
34) Propionitrile	4.800	54	3442	8.57	ug/l	# 88
35) Benzene	5.781	78	39619	1.72	ug/l	99
36) 1,2-Dichloroethane	5.806	62	15630	1.87	ug/l	98
37) Trichloroethene	6.549	130	11152	1.80	ug/l	99
38) 1,2-Dichloropropane	6.803	63	11466	1.83	ug/l	98
39) Methacrylonitrile	4.996	41	4943	2.05	ug/l	# 89
40) Methyl acrylate	4.864	55	6313	1.94	ug/l	# 89
41) Tetrahydrofuran	5.076	42	4167	4.07	ug/l	# 81
42) 1-Chlorobutane	5.466	56	22091	1.76	ug/l	96
43) Dibromomethane	6.928	93	6176	1.85	ug/l	98
44) Bromodichloromethane	7.118	83	14114	1.74	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.813	43	45907	8.35	ug/l	99
46) t-1,4-Dichloro-2-butene	10.842	75	6255m	3.58	ug/l	
47) Methyl methacrylate	6.980	69	11058	3.26	ug/l	96
48) Ethyl methacrylate	8.350	69	10900	1.52	ug/l	100
49) Toluene	7.977	92	24840	1.72	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	13467	1.64	ug/l	96
51) cis-1,3-Dichloropropene	7.620	75	14206	1.55	ug/l	92
52) 1,1,2-Trichloroethane	8.411	97	8351	1.83	ug/l	96
53) 1,3-Dichloropropane	8.588	76	14689	1.79	ug/l	98
54) 2-Hexanone	8.703	43	31421	7.88	ug/l	100
55) Dibromochloromethane	8.819	129	9941	1.80	ug/l	97
56) 1,2-Dibromoethane	8.935	107	8424	1.87	ug/l	98
58) Tetrachloroethene	8.562	164	11407	2.06	ug/l	96
59) Chlorobenzene	9.456	112	27853	1.77	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.546	131	10189	1.72	ug/l	99
61) Pentachloroethane	11.433	117	8383	1.79	ug/l	95
62) Hexachloroethane	12.485	117	7744	1.66	ug/l	99
63) Ethyl Benzene	9.578	91	46321	1.62	ug/l	100
64) m/p-Xylenes	9.703	106	35752	3.34	ug/l	98
65) o-Xylene	10.108	106	16962	1.61	ug/l	96
66) Styrene	10.121	104	27953	1.58	ug/l	97
67) Bromoform	10.305	173	6147	1.74	ug/l #	96
69) Isopropylbenzene	10.491	105	45864	1.61	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.793	83	10879	1.80	ug/l	98
71) 1,2,3-Trichloropropane	10.838	75	8400m	1.76	ug/l	
72) Bromobenzene	10.790	156	12895	1.78	ug/l	98
73) n-propylbenzene	10.915	120	12628	1.66	ug/l	99
74) 2-Chlorotoluene	10.996	126	11578	1.71	ug/l	95
75) 1,3,5-Trimethylbenzene	11.096	105	41295	1.66	ug/l	100
76) 4-Chlorotoluene	11.105	126	12412	1.79	ug/l	96
77) tert-Butylbenzene	11.430	119	40891	1.67	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	41454	1.65	ug/l	99
79) sec-Butylbenzene	11.652	105	53352	1.68	ug/l	98
80) Nitrobenzene	13.227	77	1182	7.07	ug/l #	84
81) p-Isopropyltoluene	11.803	119	45297	1.67	ug/l	99
82) 1,3-Dichlorobenzene	11.755	146	24872	1.81	ug/l	98
83) 1,4-Dichlorobenzene	11.845	146	24947	1.80	ug/l	98
84) n-Butylbenzene	12.218	91	40254	1.56	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	25818	1.93	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.009	75	2075	1.69	ug/l	96
87) 1,2,4-Trichlorobenzene	13.848	180	15656	1.54	ug/l	94
88) Hexachlorobutadiene	14.031	225	10988	1.88	ug/l	97
89) Naphthalene	14.099	128	24842	1.32	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	15690	1.68	ug/l	98

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

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