

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070721\
 Data File : VU044314.D
 Acq On : 07 Jul 2021 13:08
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 6:26:41 PM

Quant Time: Jul 08 01:16:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 08 01:14:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	28923	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	12711	1.227	ug/l	0.00
Spiked Amount 1.000			Recovery	=	123.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	12306	1.112	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	51620	4.373	ug/l	99
3) Chloromethane	1.523	50	48891	3.884	ug/l	97
4) Vinyl Chloride	1.610	62	51825	4.300	ug/l	99
5) Bromomethane	1.864	94	29341	4.048	ug/l	98
6) Chloroethane	1.941	64	34079	4.537	ug/l	98
7) Trichlorofluoromethane	2.147	101	78918	5.575	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	45946	5.622	ug/l	99
9) 1,1-Dichloroethene	2.587	96	39790	5.220	ug/l	99
10) Iodomethane	2.732	142	41947	4.463	ug/l	98
11) Allyl Chloride	2.932	41	68368	5.495	ug/l	99
12) Acrylonitrile	3.330	53	18503	12.015	ug/l	# 92
13) Acetone	2.636	43	29936	30.433	ug/l	94
14) Carbon Disulfide	2.800	76	105625	4.179	ug/l	100
15) Methylene Chloride	3.054	84	52671	4.567	ug/l	99
16) trans-1,2-Dichloroethene	3.362	96	42513	5.047	ug/l	97
17) 1,1-Dichloroethane	3.880	63	87890	5.393	ug/l	99
18) 2-Butanone	4.732	43	63619	32.638	ug/l	97
19) Cyclohexane	5.388	56	72513	4.839	ug/l	99
20) Methylcyclohexane	6.767	83	73089	5.962	ug/l	99
21) 2,2-Dichloropropane	4.674	77	84637	6.305	ug/l	100
22) cis-1,2-Dichloroethene	4.677	96	51507	5.690	ug/l	99
23) Diethyl Ether	2.385	59	32509	5.220	ug/l	97
24) tert-Butyl Alcohol	3.202	59	27291	41.542	ug/l	97
25) Methyl tert-Butyl Ether	3.378	73	122495	6.206	ug/l	97
26) Bromochloromethane	4.986	128	22224	5.966	ug/l	99
27) Chloroform	5.099	83	91580	5.704	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	82217	5.987	ug/l	99
29) 1,1-Dichloropropene	5.529	75	60000	4.894	ug/l	99
30) Carbon Tetrachloride	5.529	117	63181	5.391	ug/l	97
31) Isopropyl Ether	4.012	45	150504	5.750	ug/l	99
32) Ethyl-t-butyl ether	4.523	59	144603	6.047	ug/l	96
33) Tert-Amyl methyl ether	5.960	73	120598	6.528	ug/l	99
34) Propionitrile	4.803	54	15983	31.550	ug/l	# 97
35) Benzene	5.780	78	166633	4.707	ug/l	99
36) 1,2-Dichloroethane	5.806	62	55279	5.215	ug/l	99
37) Trichloroethene	6.549	130	47123	5.574	ug/l	96
38) 1,2-Dichloropropane	6.803	63	46181	4.919	ug/l	99
39) Methacrylonitrile	4.996	41	18846	6.397	ug/l	97
40) Methyl acrylate	4.864	55	28054	6.213	ug/l	97
41) Tetrahydrofuran	5.079	42	17968m	12.934	ug/l	
42) 1-Chlorobutane	5.465	56	82092	4.678	ug/l	99
43) Dibromomethane	6.928	93	24258	5.171	ug/l	96
44) Bromodichloromethane	7.115	83	62396	5.323	ug/l	97

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45) 4-Methyl-2-Pentanone	7.809	43	172787	32.133	ug/l	99
46) t-1,4-Dichloro-2-butene	10.844	75	28256m	11.830	ug/l	
47) Methyl methacrylate	6.976	69	50871	12.571	ug/l	99
48) Ethyl methacrylate	8.346	69	52014	6.841	ug/l	97
49) Toluene	7.976	92	110046	5.559	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	63696	6.118	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	71222	6.090	ug/l	98
52) 1,1,2-Trichloroethane	8.410	97	34602	5.155	ug/l	98
53) 1,3-Dichloropropane	8.584	76	61497	5.197	ug/l	100
54) 2-Hexanone	8.700	43	126108	33.742	ug/l	99
55) Dibromochloromethane	8.819	129	44168	5.828	ug/l	99
56) 1,2-Dibromoethane	8.934	107	33637	5.542	ug/l	100
58) Tetrachloroethene	8.562	164	42346	5.442	ug/l	97
59) Chlorobenzene	9.452	112	123688	5.820	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	46225	5.729	ug/l	98
61) Pentachloroethane	11.436	117	35043	5.363	ug/l	100
62) Hexachloroethane	12.481	117	39736	6.010	ug/l	99
63) Ethyl Benzene	9.578	91	216379	6.192	ug/l	99
64) m/p-Xylenes	9.700	106	171624	12.491	ug/l	100
65) o-Xylene	10.108	106	84520	6.542	ug/l	97
66) Styrene	10.121	104	142519	6.289	ug/l	99
67) Bromoform	10.298	173	25652	6.088	ug/l	98
69) Isopropylbenzene	10.491	105	227707	6.593	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	45369	5.118	ug/l	98
71) 1,2,3-Trichloropropane	10.835	75	33949m	5.095	ug/l	
72) Bromobenzene	10.790	156	53547	6.117	ug/l	100
73) n-propylbenzene	10.912	120	63857	6.645	ug/l	97
74) 2-Chlorotoluene	10.992	126	53530	6.229	ug/l	97
75) 1,3,5-Trimethylbenzene	11.095	105	193888	6.321	ug/l	98
76) 4-Chlorotoluene	11.105	126	56825	6.151	ug/l	95
77) tert-Butylbenzene	11.426	119	194423	6.512	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	195450	6.232	ug/l	99
79) sec-Butylbenzene	11.648	105	259740	6.282	ug/l	100
80) Nitrobenzene	13.214	77	9109	32.275	ug/l	97
81) p-Isopropyltoluene	11.799	119	221010	6.556	ug/l	99
82) 1,3-Dichlorobenzene	11.751	146	106782	5.665	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	107451	5.728	ug/l	99
84) n-Butylbenzene	12.214	91	213189	6.382	ug/l	99
85) 1,2-Dichlorobenzene	12.217	146	100766	5.619	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	8503	6.082	ug/l	97
87) 1,2,4-Trichlorobenzene	13.848	180	72727	6.616	ug/l	100
88) Hexachlorobutadiene	14.028	225	38139	5.568	ug/l	100
89) Naphthalene	14.092	128	136137	6.974	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	65636	6.329	ug/l	98

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

