

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071921\
 Data File : VU044364.D
 Acq On : 19 Jul 2021 17:41
 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

Reviewed By : John Carlone 07/23/2021
 Supervised By : Mahesh Dadoda 07/23/2021

Quant Time: Jul 21 15:34:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 14:36:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	50666	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	20936	1.024	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	19981	1.002	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	183841	10.396	ug/l	99
3) Chloromethane	1.526	50	195559	10.169	ug/l	99
4) Vinyl Chloride	1.607	62	203659	10.490	ug/l	100
5) Bromomethane	1.861	94	104277	10.071	ug/l	97
6) Chloroethane	1.938	64	117644	9.958	ug/l	99
7) Trichlorofluoromethane	2.147	101	227644	10.847	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	140299	10.578	ug/l	98
9) 1,1-Dichloroethene	2.587	96	136069	10.517	ug/l	95
10) Iodomethane	2.729	142	185824	10.975	ug/l	88
11) Allyl Chloride	2.932	41	224284	10.526	ug/l	82
12) Acrylonitrile	3.327	53	52001	17.537	ug/l	95
13) Acetone	2.636	43	64313	43.489	ug/l	89
14) Carbon Disulfide	2.800	76	447334	10.444	ug/l	100
15) Methylene Chloride	3.054	84	170298	9.274	ug/l	93
16) trans-1,2-Dichloroethene	3.359	96	149682	10.371	ug/l	99
17) 1,1-Dichloroethane	3.880	63	284545	10.587	ug/l	99
18) 2-Butanone	4.732	43	147764	46.592	ug/l	97
19) Cyclohexane	5.391	56	255948	10.416	ug/l	98
20) Methylcyclohexane	6.767	83	270070	10.539	ug/l	99
21) 2,2-Dichloropropane	4.674	77	230763	10.471	ug/l	96
22) cis-1,2-Dichloroethene	4.677	96	164489	10.429	ug/l	95
23) Diethyl Ether	2.385	59	114106	10.511	ug/l	99
24) tert-Butyl Alcohol	3.202	59	52963	82.211	ug/l	98
25) Methyl tert-Butyl Ether	3.378	73	374257	10.362	ug/l	93
26) Bromochloromethane	4.983	128	67396	10.096	ug/l	98
27) Chloroform	5.099	83	270403	10.394	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	227765	10.499	ug/l	98
29) 1,1-Dichloropropene	5.533	75	213791	10.372	ug/l	99
30) Carbon Tetrachloride	5.529	117	191489	10.587	ug/l	99
31) Isopropyl Ether	4.012	45	473419	10.588	ug/l	95
32) Ethyl-t-butyl ether	4.523	59	457004	10.365	ug/l	98
33) Tert-Amyl methyl ether	5.960	73	384290	9.801	ug/l	98
34) Propionitrile	4.800	54	42013	46.801	ug/l	# 96
35) Benzene	5.780	78	634472	10.591	ug/l	99
36) 1,2-Dichloroethane	5.806	62	176563	10.271	ug/l	97
37) Trichloroethene	6.549	130	156183	10.373	ug/l	94
38) 1,2-Dichloropropane	6.803	63	165043	10.409	ug/l	98
39) Methacrylonitrile	4.993	41	50956	9.957	ug/l	96
40) Methyl acrylate	4.864	55	78171	9.817	ug/l	99
41) Tetrahydrofuran	5.076	42	41489	17.092	ug/l	99
42) 1-Chlorobutane	5.465	56	300347	10.310	ug/l	95
43) Dibromomethane	6.928	93	83149	10.573	ug/l	98
44) Bromodichloromethane	7.118	83	200014	10.721	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	558895	52.312	ug/l	95
46) t-1,4-Dichloro-2-butene	10.841	75	98070m	21.663	ug/l	
47) Methyl methacrylate	6.976	69	180186	20.726	ug/l #	90
48) Ethyl methacrylate	8.346	69	186595	10.394	ug/l	93
49) Toluene	7.976	92	397336	10.545	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	209227	10.799	ug/l	97
51) cis-1,3-Dichloropropene	7.616	75	243974	10.674	ug/l	94
52) 1,1,2-Trichloroethane	8.410	97	121959	10.526	ug/l	97
53) 1,3-Dichloropropane	8.584	76	223342	10.494	ug/l	100
54) 2-Hexanone	8.700	43	397170	52.261	ug/l	92
55) Dibromochloromethane	8.819	129	133307	10.626	ug/l	99
56) 1,2-Dibromoethane	8.931	107	117540	10.378	ug/l	100
58) Tetrachloroethene	8.558	164	135356	10.591	ug/l	98
59) Chlorobenzene	9.455	112	420507	10.555	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	142785	10.755	ug/l	99
61) Pentachloroethane	11.436	117	113276	10.677	ug/l	95
62) Hexachloroethane	12.481	117	122511	11.063	ug/l	99
63) Ethyl Benzene	9.578	91	763037	10.715	ug/l	100
64) m/p-Xylenes	9.700	106	580481	21.332	ug/l	100
65) o-Xylene	10.108	106	282639	10.763	ug/l	100
66) Styrene	10.121	104	490339	10.837	ug/l	98
67) Bromoform	10.298	173	76247	10.859	ug/l	99
69) Isopropylbenzene	10.491	105	750357	10.682	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	162574	10.631	ug/l	99
71) 1,2,3-Trichloropropane	10.838	75	117877m	8.992	ug/l	
72) Bromobenzene	10.790	156	171091	10.520	ug/l	95
73) n-propylbenzene	10.912	120	201755	10.656	ug/l	93
74) 2-Chlorotoluene	10.992	126	168482	10.374	ug/l	92
75) 1,3,5-Trimethylbenzene	11.095	105	641541	10.806	ug/l	100
76) 4-Chlorotoluene	11.105	126	177765	10.536	ug/l	96
77) tert-Butylbenzene	11.426	119	625998	10.757	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	649293	10.774	ug/l	100
79) sec-Butylbenzene	11.648	105	852223	10.753	ug/l	99
80) Nitrobenzene	13.214	77	21722	47.619	ug/l #	95
81) p-Isopropyltoluene	11.799	119	704149	10.731	ug/l	99
82) 1,3-Dichlorobenzene	11.751	146	339843	10.520	ug/l	100
83) 1,4-Dichlorobenzene	11.844	146	337288	10.338	ug/l	99
84) n-Butylbenzene	12.214	91	706132	10.990	ug/l	99
85) 1,2-Dichlorobenzene	12.217	146	324842	10.381	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	28719	10.865	ug/l	99
87) 1,2,4-Trichlorobenzene	13.847	180	234024	10.570	ug/l	98
88) Hexachlorobutadiene	14.028	225	116111	10.838	ug/l	98
89) Naphthalene	14.092	128	489205	11.048	ug/l	99
90) 1,2,3-Trichlorobenzene	14.336	180	221023	10.996	ug/l	99

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

