

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047128.D
 Acq On : 14 Feb 2022 11:40
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/15/2022

Quant Time: Feb 14 12:02:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Feb 14 11:52:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	54877	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	21362	1.137	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	22015	1.023	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	97467	5.659	ug/l	99
3) Chloromethane	1.533	50	99989	5.080	ug/l	100
4) Vinyl Chloride	1.610	62	98364	5.218	ug/l	98
5) Bromomethane	1.864	94	61927	5.598	ug/l	99
6) Chloroethane	1.941	64	56759	4.935	ug/l	97
7) Trichlorofluoromethane	2.147	101	115365	4.870	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	66749	4.739	ug/l	94
9) 1,1-Dichloroethene	2.591	96	66804	5.366	ug/l	98
10) Iodomethane	2.732	142	66688	3.500	ug/l	99
11) Allyl Chloride	2.932	41	107274	4.965	ug/l	93
12) Acrylonitrile	3.324	53	35116	8.333	ug/l	93
13) Acetone	2.639	43	54626	15.857	ug/l	97
14) Carbon Disulfide	2.803	76	231969	5.864	ug/l	99
15) Methylene Chloride	3.054	84	74430	4.723	ug/l	97
16) trans-1,2-Dichloroethene	3.359	96	71647	5.116	ug/l	98
17) 1,1-Dichloroethane	3.877	63	132743	4.879	ug/l	99
18) 2-Butanone	4.716	43	100393	19.773	ug/l	99
19) Cyclohexane	5.395	56	122514m	5.473	ug/l	
20) Methylcyclohexane	6.768	83	136084	6.334	ug/l	95
21) 2,2-Dichloropropane	4.671	77	119445	5.741	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	81877	5.197	ug/l	96
23) Diethyl Ether	2.382	59	54836	4.942	ug/l	99
24) tert-Butyl Alcohol	3.215	59	36035	36.221	ug/l	97
25) Methyl tert-Butyl Ether	3.372	73	191815	5.241	ug/l	98
26) Bromochloromethane	4.980	128	37995	5.033	ug/l	92
27) Chloroform	5.096	83	131281	4.499	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	116411	5.121	ug/l	97
29) 1,1-Dichloropropene	5.533	75	106359	5.434	ug/l	98
30) Carbon Tetrachloride	5.530	117	103373	5.292	ug/l	100
31) Isopropyl Ether	4.002	45	214156	5.175	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	215082	5.784	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	197557	5.958	ug/l	98
34) Propionitrile	4.790	54	29368	19.449	ug/l #	94
35) Benzene	5.780	78	298513	5.065	ug/l	99
36) 1,2-Dichloroethane	5.800	62	90604	5.045	ug/l	99
37) Trichloroethene	6.546	130	83403	5.614	ug/l	93
38) 1,2-Dichloropropane	6.796	63	79203	5.073	ug/l	100
39) Methacrylonitrile	4.983	41	27023	4.831	ug/l	99
40) Methyl acrylate	4.854	55	45224	5.300	ug/l	97
41) Tetrahydrofuran	5.067	42	25147	7.973	ug/l	96
42) 1-Chlorobutane	5.465	56	145080	5.180	ug/l	99
43) Dibromomethane	6.922	93	42582	4.981	ug/l	91
44) Bromodichloromethane	7.112	83	100785	4.974	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	296458	28.170	ug/l	99
46) t-1,4-Dichloro-2-butene	10.838	75	49422m	11.798	ug/l	
47) Methyl methacrylate	6.967	69	87993	11.643	ug/l	95
48) Ethyl methacrylate	8.337	69	92623	6.761	ug/l	97
49) Toluene	7.973	92	194640	5.571	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	111459	6.280	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	124840	6.136	ug/l	98
52) 1,1,2-Trichloroethane	8.404	97	61863	5.073	ug/l	97
53) 1,3-Dichloropropane	8.578	76	110651	5.284	ug/l	100
54) 2-Hexanone	8.687	43	216224	28.490	ug/l	99
55) Dibromochloromethane	8.812	129	74934	5.409	ug/l	99
56) 1,2-Dibromoethane	8.928	107	61746	5.435	ug/l	98
58) Tetrachloroethene	8.555	164	78539	5.706	ug/l	98
59) Chlorobenzene	9.449	112	216304	5.771	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	74732	5.339	ug/l	99
61) Pentachloroethane	11.430	117	56889	4.918	ug/l	85
62) Hexachloroethane	12.478	117	61152	5.460	ug/l #	81
63) Ethyl Benzene	9.574	91	379335	6.116	ug/l	98
64) m/p-Xylenes	9.697	106	294632	12.135	ug/l	96
65) o-Xylene	10.102	106	141791	6.089	ug/l	97
66) Styrene	10.118	104	240226	6.110	ug/l	98
67) Bromoform	10.295	173	48010	5.670	ug/l #	98
69) Isopropylbenzene	10.488	105	380616	6.278	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.787	83	82758	5.111	ug/l	99
71) 1,2,3-Trichloropropane	10.838	75	72284m	5.678	ug/l	
72) Bromobenzene	10.787	156	93639	5.643	ug/l	87
73) n-propylbenzene	10.909	120	107047	6.348	ug/l	86
74) 2-Chlorotoluene	10.989	126	89562	5.832	ug/l	89
75) 1,3,5-Trimethylbenzene	11.089	105	310414	5.888	ug/l	98
76) 4-Chlorotoluene	11.102	126	94308	5.908	ug/l	84
77) tert-Butylbenzene	11.423	119	313421	6.035	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	316769	5.900	ug/l	98
79) sec-Butylbenzene	11.645	105	420879	6.030	ug/l	98
80) Nitrobenzene	13.208	77	18958	27.433	ug/l	96
81) p-Isopropyltoluene	11.796	119	354465	6.137	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	178732	5.396	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	180528	5.546	ug/l	98
84) n-Butylbenzene	12.211	91	338925	6.132	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	170630	5.348	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	14949	5.685	ug/l	83
87) 1,2,4-Trichlorobenzene	13.841	180	135897	6.533	ug/l	98
88) Hexachlorobutadiene	14.021	225	70679	5.433	ug/l	99
89) Naphthalene	14.086	128	274690	7.354	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	122583	5.981	ug/l	97

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

