

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021522\
 Data File : VU047145.D
 Acq On : 15 Feb 2022 11:26
 Operator : SY/MD
 Sample : VU0215WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0215WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/18/2022

Quant Time: Feb 17 08:02:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	52175	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	20400	1.009	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	21269	1.011	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	35237	2.026	ug/l	98
3) Chloromethane	1.530	50	37122	2.078	ug/l	96
4) Vinyl Chloride	1.610	62	35017	1.985	ug/l	99
5) Bromomethane	1.864	94	23333	2.025	ug/l	99
6) Chloroethane	1.941	64	19910	1.965	ug/l	96
7) Trichlorofluoromethane	2.147	101	42719	2.055	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	24930	2.080	ug/l	95
9) 1,1-Dichloroethene	2.591	96	25484	2.066	ug/l	96
10) Iodomethane	2.732	142	17681	1.996	ug/l	99
11) Allyl Chloride	2.932	41	38513	2.003	ug/l	95
12) Acrylonitrile	3.324	53	10543	2.913	ug/l #	85
13) Acetone	2.636	43	16646	9.237	ug/l	96
14) Carbon Disulfide	2.803	76	85634	2.053	ug/l	99
15) Methylene Chloride	3.054	84	28486	2.057	ug/l	98
16) trans-1,2-Dichloroethene	3.363	96	27674	2.126	ug/l	98
17) 1,1-Dichloroethane	3.877	63	47407	1.988	ug/l	99
18) 2-Butanone	4.719	43	32507	8.914	ug/l	99
19) Cyclohexane	5.395	56	44253m	2.003	ug/l	
20) Methylcyclohexane	6.768	83	49996	2.053	ug/l	95
21) 2,2-Dichloropropane	4.671	77	42568	1.997	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	30115	2.012	ug/l	94
23) Diethyl Ether	2.382	59	19221	1.928	ug/l	96
24) tert-Butyl Alcohol	3.202	59	10912	16.834	ug/l #	89
25) Methyl tert-Butyl Ether	3.372	73	69127	1.999	ug/l	96
26) Bromochloromethane	4.983	128	13840	2.056	ug/l	92
27) Chloroform	5.096	83	49554	2.048	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	41630	1.987	ug/l	97
29) 1,1-Dichloropropene	5.533	75	38780	2.022	ug/l	98
30) Carbon Tetrachloride	5.530	117	37879	2.057	ug/l	98
31) Isopropyl Ether	4.002	45	74244	1.947	ug/l	98
32) Ethyl-t-butyl ether	4.510	59	76368	1.970	ug/l	99
33) Tert-Amyl methyl ether	5.944	73	69462	1.945	ug/l	97
34) Propionitrile	4.793	54	8057	8.866	ug/l #	93
35) Benzene	5.781	78	110641	2.059	ug/l	99
36) 1,2-Dichloroethane	5.800	62	33708	2.072	ug/l	99
37) Trichloroethene	6.546	130	30685	2.062	ug/l	91
38) 1,2-Dichloropropane	6.797	63	28559	2.008	ug/l	100
39) Methacrylonitrile	4.983	41	9519	1.942	ug/l #	94
40) Methyl acrylate	4.854	55	14905	1.799	ug/l #	95
41) Tetrahydrofuran	5.067	42	8143	3.261	ug/l	91
42) 1-Chlorobutane	5.465	56	50299	1.953	ug/l	98
43) Dibromomethane	6.925	93	15238	1.987	ug/l #	88
44) Bromodichloromethane	7.108	83	37812	2.085	ug/l #	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	97801	9.428	ug/l	96
46) t-1,4-Dichloro-2-butene	10.841	75	17482m	3.872	ug/l	
47) Methyl methacrylate	6.967	69	30378	3.777	ug/l	96
48) Ethyl methacrylate	8.337	69	31178	1.912	ug/l	99
49) Toluene	7.973	92	71207	2.054	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	38577	1.965	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	43638	1.983	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	22734	2.078	ug/l	98
53) 1,3-Dichloropropane	8.578	76	40145	2.053	ug/l	100
54) 2-Hexanone	8.690	43	76119	9.850	ug/l	99
55) Dibromochloromethane	8.813	129	27337	2.055	ug/l	98
56) 1,2-Dibromoethane	8.928	107	22913	2.072	ug/l	99
58) Tetrachloroethene	8.559	164	29073	2.118	ug/l	98
59) Chlorobenzene	9.449	112	79878	2.067	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	26400	1.987	ug/l	99
61) Pentachloroethane	11.430	117	19754	1.959	ug/l	85
62) Hexachloroethane	12.478	117	21332	1.959	ug/l	84
63) Ethyl Benzene	9.575	91	139361	2.051	ug/l	98
64) m/p-Xylenes	9.697	106	108361	4.184	ug/l	96
65) o-Xylene	10.102	106	52325	2.086	ug/l	97
66) Styrene	10.118	104	86951	2.042	ug/l	97
67) Bromoform	10.295	173	17062	2.024	ug/l #	97
69) Isopropylbenzene	10.488	105	139785	2.072	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.787	83	30317	2.049	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	22331m	1.789	ug/l	
72) Bromobenzene	10.784	156	33693	2.045	ug/l	86
73) n-propylbenzene	10.909	120	38150	2.054	ug/l	86
74) 2-Chlorotoluene	10.989	126	32786	2.070	ug/l	87
75) 1,3,5-Trimethylbenzene	11.089	105	113752	2.056	ug/l	99
76) 4-Chlorotoluene	11.102	126	34130	2.051	ug/l	83
77) tert-Butylbenzene	11.423	119	109467	1.972	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	114619	2.030	ug/l	98
79) sec-Butylbenzene	11.645	105	150051	2.035	ug/l	98
80) Nitrobenzene	13.211	77	5843	8.181	ug/l	98
81) p-Isopropyltoluene	11.793	119	124055	1.988	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	65806	2.051	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	66110	2.046	ug/l	98
84) n-Butylbenzene	12.211	91	119093	1.988	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	63746	2.064	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	5461	2.013	ug/l	87
87) 1,2,4-Trichlorobenzene	13.841	180	49144	2.027	ug/l	98
88) Hexachlorobutadiene	14.021	225	24737	1.996	ug/l	98
89) Naphthalene	14.086	128	97809	1.969	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	45127	2.075	ug/l	97

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

