

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022322\
 Data File : VU047249.D
 Acq On : 23 Feb 2022 14:16
 Operator : SY/MD
 Sample : N1637-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PW-B6-L10-U-022222MS

Quant Time: Feb 24 05:59:33 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

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

Internal Standards						
1) Fluorobenzene	6.118	96	52420	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	19049	0.938	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	20580	0.973	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	136801	7.827	ug/l	100
3) Chloromethane	1.527	50	221564	12.343	ug/l	99
4) Vinyl Chloride	1.607	62	173576	9.795	ug/l	98
5) Bromomethane	1.861	94	79998	6.910	ug/l	100
6) Chloroethane	1.938	64	112888	11.088	ug/l	100
7) Trichlorofluoromethane	2.144	101	224438	10.745	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	133186	11.063	ug/l	94
9) 1,1-Dichloroethene	2.588	96	128579	10.377	ug/l	95
10) Iodomethane	2.729	142	100319	7.089	ug/l	100
11) Allyl Chloride	2.928	41	183347	9.493	ug/l	96
12) Acrylonitrile	3.324	53	64476	17.729	ug/l	93
13) Acetone	2.645	43	120807	55.355	ug/l	99
14) Carbon Disulfide	2.800	76	412728	9.848	ug/l	100
15) Methylene Chloride	3.051	84	143364	10.302	ug/l	97
16) trans-1,2-Dichloroethene	3.356	96	138973	10.627	ug/l	97
17) 1,1-Dichloroethane	3.874	63	236334	9.864	ug/l	100
18) 2-Butanone	4.723	43	189057	51.602	ug/l	97
19) Cyclohexane	5.391	56	211252m	9.517	ug/l	
20) Methylcyclohexane	6.767	83	238345	9.742	ug/l	97
21) 2,2-Dichloropropane	4.671	77	218260	10.193	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	154306	10.260	ug/l	93
23) Diethyl Ether	2.382	59	99442	9.931	ug/l	99
24) tert-Butyl Alcohol	3.240	59	130447	200.297	ug/l	# 93
25) Methyl tert-Butyl Ether	3.372	73	350804	10.096	ug/l	99
26) Bromochloromethane	4.980	128	69167	10.227	ug/l	87
27) Chloroform	5.096	83	248272	10.212	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	217074	10.314	ug/l	97
29) 1,1-Dichloropropene	5.530	75	194971	10.119	ug/l	98
30) Carbon Tetrachloride	5.530	117	190878	10.315	ug/l	100
31) Isopropyl Ether	4.002	45	370156	9.659	ug/l	99
32) Ethyl-t-butyl ether	4.510	59	379932	9.753	ug/l	97
33) Tert-Amyl methyl ether	5.948	73	339570	9.464	ug/l	98
34) Propionitrile	4.797	54	58912	54.187	ug/l	# 89
35) Benzene	5.777	78	550675	10.199	ug/l	100
36) 1,2-Dichloroethane	5.800	62	161612	9.886	ug/l	100
37) Trichloroethene	6.546	130	167916	11.233	ug/l	93
38) 1,2-Dichloropropane	6.796	63	142506	9.974	ug/l	99
39) Methacrylonitrile	4.983	41	46516	9.446	ug/l	98
40) Methyl acrylate	4.851	55	78533	9.434	ug/l	96
41) Tetrahydrofuran	5.067	42	47608	18.978	ug/l	98
42) 1-Chlorobutane	5.462	56	256439	9.913	ug/l	98
43) Dibromomethane	6.922	93	76825	9.970	ug/l	91
44) Bromodichloromethane	7.108	83	183783	10.085	ug/l	98

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45) 4-Methyl-2-Pentanone	7.796	43	446269	42.821	ug/l	98
46) t-1,4-Dichloro-2-butene	10.841	75	95472m	21.044	ug/l	
47) Methyl methacrylate	6.967	69	150056	18.569	ug/l	93
48) Ethyl methacrylate	8.337	69	151226	9.232	ug/l	92
49) Toluene	7.973	92	353970	10.163	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	186779	9.469	ug/l	100
51) cis-1,3-Dichloropropene	7.610	75	216581	9.794	ug/l	96
52) 1,1,2-Trichloroethane	8.404	97	108322	9.853	ug/l	99
53) 1,3-Dichloropropane	8.578	76	186201	9.479	ug/l	100
54) 2-Hexanone	8.687	43	321623	41.424	ug/l	98
55) Dibromochloromethane	8.812	129	130788	9.785	ug/l	99
56) 1,2-Dibromoethane	8.925	107	107185	9.647	ug/l	96
58) Tetrachloroethene	8.555	164	148106	10.737	ug/l	98
59) Chlorobenzene	9.449	112	387999	9.992	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	140050	10.493	ug/l	99
61) Pentachloroethane	11.430	117	115877	11.437	ug/l	84
62) Hexachloroethane	12.478	117	111433	10.187	ug/l #	77
63) Ethyl Benzene	9.571	91	684887	10.033	ug/l	99
64) m/p-Xylenes	9.697	106	519929	19.982	ug/l	98
65) o-Xylene	10.102	106	253635	10.062	ug/l	97
66) Styrene	10.115	104	431129	10.078	ug/l	97
67) Bromoform	10.295	173	81612	9.635	ug/l #	98
69) Isopropylbenzene	10.488	105	676564	9.980	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.787	83	140870	9.477	ug/l	98
71) 1,2,3-Trichloropropane	10.838	75	115070m	9.173	ug/l	
72) Bromobenzene	10.783	156	171117	10.336	ug/l	84
73) n-propylbenzene	10.909	120	189733	10.167	ug/l	88
74) 2-Chlorotoluene	10.989	126	163580	10.282	ug/l	82
75) 1,3,5-Trimethylbenzene	11.089	105	572303	10.294	ug/l	98
76) 4-Chlorotoluene	11.099	126	170564	10.204	ug/l	82
77) tert-Butylbenzene	11.423	119	575107	10.310	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	586247	10.333	ug/l	98
79) sec-Butylbenzene	11.645	105	759839	10.258	ug/l	98
80) Nitrobenzene	13.208	77	19723	27.484	ug/l	95
81) p-Isopropyltoluene	11.796	119	651278	10.391	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	331383	10.282	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	330474	10.179	ug/l	98
84) n-Butylbenzene	12.211	91	639946	10.632	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	315117	10.157	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	25852	9.486	ug/l #	76
87) 1,2,4-Trichlorobenzene	13.841	180	263570	10.820	ug/l	98
88) Hexachlorobutadiene	14.024	225	133420	10.713	ug/l	98
89) Naphthalene	14.089	128	480407	9.628	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	236842	10.840	ug/l	97

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

