

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022322\
 Data File : VU047250.D
 Acq On : 23 Feb 2022 14:44
 Operator : SY/MD
 Sample : N1637-03MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 24 06:00:11 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	51552	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	18803	0.942	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	20440	0.983	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	163140	9.491	ug/l	99
3) Chloromethane	1.530	50	202873	11.492	ug/l	100
4) Vinyl Chloride	1.607	62	162247	9.310	ug/l	100
5) Bromomethane	1.861	94	72251	6.346	ug/l	99
6) Chloroethane	1.938	64	99606	9.948	ug/l	99
7) Trichlorofluoromethane	2.144	101	213372	10.387	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	124983	10.556	ug/l	93
9) 1,1-Dichloroethene	2.588	96	120291	9.872	ug/l	93
10) Iodomethane	2.729	142	102502	7.330	ug/l	100
11) Allyl Chloride	2.928	41	170374	8.970	ug/l	95
12) Acrylonitrile	3.330	53	62291	17.416	ug/l	93
13) Acetone	2.655	43	117692	54.987	ug/l	97
14) Carbon Disulfide	2.800	76	387473	9.401	ug/l	99
15) Methylene Chloride	3.051	84	132085	9.652	ug/l	97
16) trans-1,2-Dichloroethene	3.356	96	129705	10.086	ug/l	98
17) 1,1-Dichloroethane	3.874	63	221324	9.393	ug/l	99
18) 2-Butanone	4.729	43	181735	50.439	ug/l	97
19) Cyclohexane	5.391	56	196515m	9.002	ug/l	
20) Methylcyclohexane	6.764	83	226053	9.395	ug/l	96
21) 2,2-Dichloropropane	4.671	77	201239	9.557	ug/l	96
22) cis-1,2-Dichloroethene	4.671	96	144878	9.795	ug/l	93
23) Diethyl Ether	2.382	59	92782	9.422	ug/l	97
24) tert-Butyl Alcohol	3.276	59	132622m	207.065	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	327554	9.586	ug/l	99
26) Bromochloromethane	4.980	128	63907	9.608	ug/l	87
27) Chloroform	5.092	83	230866	9.656	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	202876	9.801	ug/l	96
29) 1,1-Dichloropropene	5.530	75	180479	9.525	ug/l	97
30) Carbon Tetrachloride	5.530	117	178440	9.805	ug/l	100
31) Isopropyl Ether	4.002	45	345834	9.177	ug/l	100
32) Ethyl-t-butyl ether	4.510	59	353928	9.239	ug/l	97
33) Tert-Amyl methyl ether	5.948	73	318894	9.038	ug/l	98
34) Propionitrile	4.806	54	56435	53.144	ug/l	# 1
35) Benzene	5.777	78	515565	9.710	ug/l	100
36) 1,2-Dichloroethane	5.800	62	150181	9.342	ug/l	100
37) Trichloroethene	6.546	130	156301	10.632	ug/l	94
38) 1,2-Dichloropropane	6.796	63	132562	9.434	ug/l	99
39) Methacrylonitrile	4.983	41	43771	9.038	ug/l	99
40) Methyl acrylate	4.854	55	84062	10.269	ug/l	99
41) Tetrahydrofuran	5.073	42	46784	18.964	ug/l	98
42) 1-Chlorobutane	5.462	56	239254	9.404	ug/l	99
43) Dibromomethane	6.922	93	71520	9.438	ug/l	90
44) Bromodichloromethane	7.108	83	171265	9.556	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	424430	41.411	ug/l	99
46) t-1,4-Dichloro-2-butene	10.838	75	86102m	19.299	ug/l	
47) Methyl methacrylate	6.967	69	140047	17.622	ug/l	93
48) Ethyl methacrylate	8.337	69	140865	8.744	ug/l	93
49) Toluene	7.973	92	330729	9.656	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	175252	9.034	ug/l	98
51) cis-1,3-Dichloropropene	7.610	75	202959	9.332	ug/l	96
52) 1,1,2-Trichloroethane	8.404	97	100957	9.338	ug/l	97
53) 1,3-Dichloropropane	8.578	76	173202	8.966	ug/l	99
54) 2-Hexanone	8.690	43	305903	40.063	ug/l	98
55) Dibromochloromethane	8.812	129	122138	9.292	ug/l	100
56) 1,2-Dibromoethane	8.925	107	100728	9.218	ug/l	98
58) Tetrachloroethene	8.555	164	140842	10.382	ug/l	98
59) Chlorobenzene	9.449	112	364654	9.549	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	129994	9.904	ug/l	98
61) Pentachloroethane	11.430	117	109917	11.031	ug/l	85
62) Hexachloroethane	12.478	117	100794	9.369	ug/l #	73
63) Ethyl Benzene	9.571	91	639946	9.532	ug/l	99
64) m/p-Xylenes	9.697	106	487121	19.036	ug/l	97
65) o-Xylene	10.102	106	236175	9.527	ug/l	97
66) Styrene	10.115	104	403533	9.591	ug/l	97
67) Bromoform	10.291	173	74825	8.983	ug/l #	98
69) Isopropylbenzene	10.484	105	632128	9.482	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.787	83	132583	9.070	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	96050m	7.786	ug/l	
72) Bromobenzene	10.783	156	159583	9.801	ug/l	84
73) n-propylbenzene	10.906	120	178948	9.750	ug/l	85
74) 2-Chlorotoluene	10.986	126	151643	9.692	ug/l	82
75) 1,3,5-Trimethylbenzene	11.089	105	534345	9.773	ug/l	99
76) 4-Chlorotoluene	11.098	126	158089	9.617	ug/l	83
77) tert-Butylbenzene	11.423	119	537017	9.789	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	546373	9.792	ug/l	97
79) sec-Butylbenzene	11.645	105	703956	9.663	ug/l	97
80) Nitrobenzene	13.204	77	17369	24.611	ug/l	97
81) p-Isopropyltoluene	11.793	119	601883	9.764	ug/l	97
82) 1,3-Dichlorobenzene	11.745	146	307067	9.688	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	310427	9.722	ug/l	98
84) n-Butylbenzene	12.211	91	591668	9.995	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	294540	9.654	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	24227	9.039	ug/l #	75
87) 1,2,4-Trichlorobenzene	13.841	180	247329	10.324	ug/l	97
88) Hexachlorobutadiene	14.024	225	125639	10.258	ug/l	98
89) Naphthalene	14.089	128	460816	9.391	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	227342	10.580	ug/l	97

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

