

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070622\
 Data File : VU049636.D
 Acq On : 06 Jul 2022 14:28
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU070622

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 07:03:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 07 07:00:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	55951	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	21371	1.043	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	19591	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	106869	4.987	ug/l	99
3) Chloromethane	1.520	50	162646	7.421	ug/l	99
4) Vinyl Chloride	1.604	62	135910	6.801	ug/l	98
5) Bromomethane	1.845	94	60843m	5.838	ug/l	
6) Chloroethane	1.929	64	84796	7.577	ug/l	100
7) Trichlorofluoromethane	2.134	101	189329	7.906	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	109456	8.698	ug/l	99
9) 1,1-Dichloroethene	2.578	96	102644	8.091	ug/l	98
10) Iodomethane	2.720	142	98289	6.108	ug/l	100
11) Allyl Chloride	2.922	41	198434	9.173	ug/l	97
12) Acrylonitrile	3.314	53	174912	51.570	ug/l	98
13) Acetone	2.623	43	151314	64.572	ug/l	98
14) Carbon Disulfide	2.790	76	245183	5.870	ug/l	100
15) Methylene Chloride	3.041	84	133922	8.430	ug/l	97
16) trans-1,2-Dichloroethene	3.346	96	113397	8.512	ug/l	99
17) 1,1-Dichloroethane	3.867	63	265097	9.623	ug/l	99
18) 2-Butanone	4.713	43	243033	55.657	ug/l	99
19) Cyclohexane	5.385	56	202930m	7.708	ug/l	
20) Methylcyclohexane	6.761	83	211084	8.133	ug/l	99
21) 2,2-Dichloropropane	4.662	77	220040	9.761	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	158920	9.672	ug/l	99
23) Diethyl Ether	2.375	59	97050	8.980	ug/l	97
24) tert-Butyl Alcohol	3.192	59	71556	58.034	ug/l	100
25) Methyl tert-Butyl Ether	3.366	73	362456	10.218	ug/l	100
26) Bromochloromethane	4.973	128	64425	9.314	ug/l	99
27) Chloroform	5.089	83	270195	9.967	ug/l	96
28) 1,1,1-Trichloroethane	5.314	97	225460	9.430	ug/l	99
29) 1,1-Dichloropropene	5.523	75	183798	8.608	ug/l	99
30) Carbon Tetrachloride	5.523	117	193459	9.610	ug/l	98
31) Isopropyl Ether	3.999	45	481367	10.189	ug/l	# 1
34) Propionitrile	4.777	54	143675	109.839	ug/l	99
35) Benzene	5.774	78	562223	9.241	ug/l	99
36) 1,2-Dichloroethane	5.797	62	171044	9.888	ug/l	99
37) Trichloroethene	6.543	130	143673	9.344	ug/l	99
38) 1,2-Dichloropropane	6.793	63	158311	9.829	ug/l	100
39) Methacrylonitrile	4.977	41	58894	10.509	ug/l	98
40) Methyl acrylate	4.848	55	91889	10.470	ug/l	# 97
41) Tetrahydrofuran	5.060	42	157959	54.303	ug/l	97
42) 1-Chlorobutane	5.456	56	269468	9.000	ug/l	98
43) Dibromomethane	6.919	93	80453	10.025	ug/l	98
44) Bromodichloromethane	7.105	83	204120	10.611	ug/l	97
45) 4-Methyl-2-Pentanone	7.793	43	561026	51.507	ug/l	99
46) t-1,4-Dichloro-2-butene	10.829	75	68698m	19.381	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.964	69	85672	10.587	ug/l	99
48) Ethyl methacrylate	8.333	69	170536	10.504	ug/l	100
49) Toluene	7.970	92	352613	9.491	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	202744	10.912	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	235888	10.713	ug/l	99
52) 1,1,2-Trichloroethane	8.401	97	117752	10.632	ug/l	99
53) 1,3-Dichloropropane	8.578	76	201666	10.144	ug/l	100
54) 2-Hexanone	8.687	43	403975	53.403	ug/l	100
55) Dibromochloromethane	8.809	129	135534	10.713	ug/l	98
56) 1,2-Dibromoethane	8.925	107	109556	10.215	ug/l	99
58) Tetrachloroethene	8.552	164	117031	9.154	ug/l	98
59) Chlorobenzene	9.446	112	375869	9.670	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	144901	10.481	ug/l	98
61) Pentachloroethane	11.430	117	118950	11.207	ug/l	99
62) Hexachloroethane	12.478	117	114765	10.795	ug/l	99
63) Ethyl Benzene	9.571	91	699123	9.994	ug/l	99
64) m/p-Xylenes	9.694	106	523005	20.211	ug/l	100
65) o-Xylene	10.102	106	259627	10.208	ug/l	100
66) Styrene	10.115	104	434528	10.634	ug/l	100
67) Bromoform	10.292	173	81580	11.300	ug/l	99
69) Isopropylbenzene	10.484	105	692158	10.189	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	159282	11.070	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	117150m	9.834	ug/l	
72) Bromobenzene	10.783	156	161523	10.552	ug/l	99
73) n-propylbenzene	10.906	120	185119	10.799	ug/l	98
74) 2-Chlorotoluene	10.986	126	159310	10.423	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	599317	10.554	ug/l	99
76) 4-Chlorotoluene	11.099	126	158952	10.369	ug/l	94
77) tert-Butylbenzene	11.420	119	589410	10.541	ug/l	99
78) 1,2,4-Trimethylbenzene	11.468	105	608462	10.673	ug/l	99
79) sec-Butylbenzene	11.642	105	776926	10.593	ug/l	99
80) Nitrobenzene	13.208	77	6828	11.600	ug/l #	97
81) p-Isopropyltoluene	11.793	119	639494	10.749	ug/l	100
82) 1,3-Dichlorobenzene	11.745	146	319057	10.774	ug/l	100
83) 1,4-Dichlorobenzene	11.838	146	318774	10.668	ug/l	99
84) n-Butylbenzene	12.208	91	613743	11.077	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	307996	10.736	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	28273	11.267	ug/l	97
87) 1,2,4-Trichlorobenzene	13.841	180	220471	11.392	ug/l	99
88) Hexachlorobutadiene	14.021	225	112479	11.404	ug/l	99
89) Naphthalene	14.086	128	504333	12.429	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	210650	11.399	ug/l	98

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

