

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101722\
 Data File : VU051434.D
 Acq On : 17 Oct 2022 18:07
 Operator : JC/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101722

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 18 04:55:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 18 04:53:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	57387	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	23237	1.154	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	22947	1.021	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	110508m	5.515	ug/l	
3) Chloromethane	1.552	50	194789	6.168	ug/l	99
4) Vinyl Chloride	1.604	62	179759m	6.575	ug/l	
5) Bromomethane	1.851	94	109489	7.184	ug/l	96
6) Chloroethane	1.932	64	106384	6.828	ug/l	98
7) Trichlorofluoromethane	2.138	101	209880	6.872	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	133947	7.949	ug/l	99
9) 1,1-Dichloroethene	2.581	96	136599	7.756	ug/l	97
10) Iodomethane	2.723	142	183480	8.039	ug/l	99
11) Allyl Chloride	2.922	41	232202	8.646	ug/l	98
12) Acrylonitrile	3.314	53	223279	43.085	ug/l	98
13) Acetone	2.626	43	148362	39.757	ug/l	98
14) Carbon Disulfide	2.790	76	393290	6.267	ug/l	99
15) Methylene Chloride	3.041	84	182162	8.468	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	154610	7.656	ug/l	99
17) 1,1-Dichloroethane	3.867	63	301291	8.298	ug/l	98
18) 2-Butanone	4.713	43	219939	48.571	ug/l	99
19) Cyclohexane	5.385	56	203537m	9.046	ug/l	
20) Methylcyclohexane	6.761	83	200076	7.358	ug/l	98
21) 2,2-Dichloropropane	4.662	77	213294	8.413	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	171850	8.994	ug/l	99
23) Diethyl Ether	2.379	59	123032	8.001	ug/l	99
24) tert-Butyl Alcohol	3.195	59	68269	42.333	ug/l	100
25) Methyl tert-Butyl Ether	3.369	73	419302	9.154	ug/l	100
26) Bromochloromethane	4.973	128	71227	7.648	ug/l	98
27) Chloroform	5.089	83	308105	8.379	ug/l	99
28) 1,1,1-Trichloroethane	5.314	97	240918	8.208	ug/l	99
29) 1,1-Dichloropropene	5.523	75	204904	9.115	ug/l	99
30) Carbon Tetrachloride	5.523	117	200267	8.087	ug/l	96
31) Isopropyl Ether	3.999	45	465564	10.841	ug/l	# 1
34) Propionitrile	4.781	54	147760	97.060	ug/l	97
35) Benzene	5.774	78	657454	8.715	ug/l	99
36) 1,2-Dichloroethane	5.797	62	202021	8.680	ug/l	100
37) Trichloroethene	6.539	130	147637	8.338	ug/l	95
38) 1,2-Dichloropropane	6.790	63	179784	8.687	ug/l	99
39) Methacrylonitrile	4.980	41	52604	10.110	ug/l	95
40) Methyl acrylate	4.851	55	88665	10.687	ug/l	# 92
41) Tetrahydrofuran	5.060	42	135695	49.666	ug/l	98
42) 1-Chlorobutane	5.456	56	284809	9.283	ug/l	99
43) Dibromomethane	6.919	93	97551	9.083	ug/l	97
44) Bromodichloromethane	7.105	83	233406	8.980	ug/l	99
45) 4-Methyl-2-Pentanone	7.793	43	527962	51.638	ug/l	99
46) t-1,4-Dichloro-2-butene	10.829	75	66250m	11.610	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.964	69	76658	8.192	ug/l	98
48) Ethyl methacrylate	8.333	69	148568	8.579	ug/l	98
49) Toluene	7.967	92	399553	9.658	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	209263	10.010	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	232891	9.450	ug/l	99
52) 1,1,2-Trichloroethane	8.401	97	137848	8.988	ug/l	98
53) 1,3-Dichloropropane	8.575	76	232133	9.392	ug/l	100
54) 2-Hexanone	8.684	43	371015	42.799	ug/l	99
55) Dibromochloromethane	8.809	129	151133	9.062	ug/l	99
56) 1,2-Dibromoethane	8.922	107	126066	9.349	ug/l	99
58) Tetrachloroethene	8.552	164	133773	8.670	ug/l	99
59) Chlorobenzene	9.446	112	409471	9.016	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	157259	9.037	ug/l	98
61) Pentachloroethane	11.427	117	139576	9.001	ug/l	99
62) Hexachloroethane	12.475	117	129787	8.814	ug/l	99
63) Ethyl Benzene	9.568	91	714602	8.483	ug/l	98
64) m/p-Xylenes	9.694	106	601031	17.494	ug/l	100
65) o-Xylene	10.099	106	275337	8.552	ug/l	96
66) Styrene	10.111	104	489650	8.793	ug/l	100
67) Bromoform	10.288	173	88228	9.425	ug/l	99
69) Isopropylbenzene	10.484	105	730653	8.944	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	189321	9.128	ug/l	100
71) 1,2,3-Trichloropropane	10.822	75	145194m	9.422	ug/l	
72) Bromobenzene	10.780	156	178952	9.909	ug/l	98
73) n-propylbenzene	10.906	120	198187	8.434	ug/l	97
74) 2-Chlorotoluene	10.986	126	182695	10.391	ug/l	99
75) 1,3,5-Trimethylbenzene	11.086	105	675044	8.912	ug/l	100
76) 4-Chlorotoluene	11.095	126	191842	8.958	ug/l	96
77) tert-Butylbenzene	11.420	119	594905	10.219	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	688309	8.682	ug/l	99
79) sec-Butylbenzene	11.642	105	827886	8.738	ug/l	100
80) Nitrobenzene	13.208	77	9585	9.333	ug/l	97
81) p-Isopropyltoluene	11.793	119	683582	8.640	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	372188	9.593	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	376609	9.918	ug/l	100
84) n-Butylbenzene	12.208	91	632458	8.388	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	363906	9.519	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	29642	9.140	ug/l	97
87) 1,2,4-Trichlorobenzene	13.838	180	221207	10.682	ug/l	99
88) Hexachlorobutadiene	14.018	225	121807	9.022	ug/l	98
89) Naphthalene	14.086	128	450361	10.394	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	215071	9.494	ug/l	97

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

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