

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
 Data File : VU049655.D
 Acq On : 07 Jul 2022 16:26
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022
 Supervised By :Semsettin Yesilyurt 07/08/2022

Quant Time: Jul 08 09:12:11 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	42221	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14857	0.961	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14405	1.012	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	173842	10.751	ug/l	99
3) Chloromethane	1.533	50	163675	9.897	ug/l	98
4) Vinyl Chloride	1.604	62	158427	10.507	ug/l	99
5) Bromomethane	1.855	94	69206	8.800	ug/l	97
6) Chloroethane	1.932	64	86173	10.204	ug/l	97
7) Trichlorofluoromethane	2.137	101	199646	11.047	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	99919	10.522	ug/l	99
9) 1,1-Dichloroethene	2.578	96	95231	9.948	ug/l	94
10) Iodomethane	2.723	142	123427	10.164	ug/l	95
11) Allyl Chloride	2.922	41	165284	10.125	ug/l	95
12) Acrylonitrile	3.317	53	54284	21.209	ug/l	98
13) Acetone	2.629	43	102828	58.076	ug/l	98
14) Carbon Disulfide	2.790	76	307170	9.745	ug/l	100
15) Methylene Chloride	3.044	84	120081	10.016	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	99648	9.912	ug/l	96
17) 1,1-Dichloroethane	3.867	63	212348	10.215	ug/l	99
18) 2-Butanone	4.716	43	182208	55.298	ug/l	100
19) Cyclohexane	5.385	56	175073	8.812	ug/l	90
20) Methylcyclohexane	6.761	83	195310	9.972	ug/l	99
21) 2,2-Dichloropropane	4.665	77	171579	10.086	ug/l	98
22) cis-1,2-Dichloroethene	4.668	96	123451	9.957	ug/l	97
23) Diethyl Ether	2.379	59	83991	10.299	ug/l	96
24) tert-Butyl Alcohol	3.198	59	120382	129.383	ug/l	98
25) Methyl tert-Butyl Ether	3.369	73	280898	10.493	ug/l	97
26) Bromochloromethane	4.973	128	54940	10.525	ug/l	99
27) Chloroform	5.089	83	215529	10.536	ug/l	99
28) 1,1,1-Trichloroethane	5.314	97	192379	10.663	ug/l	99
29) 1,1-Dichloropropene	5.523	75	163428	10.144	ug/l	99
30) Carbon Tetrachloride	5.523	117	165075	10.867	ug/l	98
31) Isopropyl Ether	4.002	45	358913	10.067	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	338018	10.017	ug/l	99
33) Tert-Amyl methyl ether	5.948	73	298943	10.189	ug/l	99
34) Propionitrile	4.787	54	56060	56.795	ug/l	97
35) Benzene	5.774	78	470579	10.250	ug/l	99
36) 1,2-Dichloroethane	5.796	62	142507	10.917	ug/l	98
37) Trichloroethene	6.542	130	113669	9.797	ug/l	99
38) 1,2-Dichloropropane	6.793	63	127239	10.469	ug/l	99
39) Methacrylonitrile	4.980	41	44545	10.533	ug/l	98
40) Methyl acrylate	4.851	55	70856	10.698	ug/l	99
41) Tetrahydrofuran	5.063	42	49870	22.533	ug/l	97
42) 1-Chlorobutane	5.459	56	234116	10.362	ug/l	99
43) Dibromomethane	6.919	93	65269	10.777	ug/l	97
44) Bromodichloromethane	7.108	83	158025	10.887	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	439892	53.519	ug/l	99
46) t-1,4-Dichloro-2-butene	10.825	75	92159m	34.455	ug/l	
47) Methyl methacrylate	6.964	69	130103	21.306	ug/l	96
48) Ethyl methacrylate	8.337	69	126501	10.326	ug/l	98
49) Toluene	7.970	92	283830	10.124	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	147636	10.530	ug/l	99
51) cis-1,3-Dichloropropene	7.607	75	172625	10.390	ug/l	99
52) 1,1,2-Trichloroethane	8.401	97	87534	10.473	ug/l	97
53) 1,3-Dichloropropane	8.578	76	157071	10.471	ug/l	100
54) 2-Hexanone	8.687	43	307700	53.903	ug/l	98
55) Dibromochloromethane	8.809	129	104729	10.970	ug/l	100
56) 1,2-Dibromoethane	8.925	107	85595	10.576	ug/l	99
58) Tetrachloroethene	8.552	164	97527	10.109	ug/l	96
59) Chlorobenzene	9.446	112	294477	10.040	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.536	131	111457	10.684	ug/l	98
61) Pentachloroethane	11.430	117	84952	10.606	ug/l	99
62) Hexachloroethane	12.475	117	83425	10.399	ug/l	98
63) Ethyl Benzene	9.571	91	546204	10.347	ug/l	99
64) m/p-Xylenes	9.693	106	403612	20.669	ug/l	99
65) o-Xylene	10.102	106	196105	10.218	ug/l	100
66) Styrene	10.115	104	328470	10.653	ug/l	99
67) Bromoform	10.291	173	59631	10.946	ug/l	99
69) Isopropylbenzene	10.484	105	525970	10.261	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	113519	10.455	ug/l	97
71) 1,2,3-Trichloropropane	10.825	75	93989m	10.456	ug/l	
72) Bromobenzene	10.783	156	121103	10.484	ug/l	99
73) n-propylbenzene	10.906	120	137142	10.602	ug/l	99
74) 2-Chlorotoluene	10.986	126	119375	10.350	ug/l	99
75) 1,3,5-Trimethylbenzene	11.089	105	444232	10.366	ug/l	99
76) 4-Chlorotoluene	11.099	126	118713	10.262	ug/l	96
77) tert-Butylbenzene	11.420	119	431474	10.226	ug/l	100
78) 1,2,4-Trimethylbenzene	11.468	105	453344	10.538	ug/l	99
79) sec-Butylbenzene	11.645	105	576602	10.418	ug/l	100
80) Nitrobenzene	13.205	77	23688	53.328	ug/l #	98
81) p-Isopropyltoluene	11.793	119	474068	10.559	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	231260	10.349	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	231546	10.269	ug/l	99
84) n-Butylbenzene	12.208	91	455072	10.884	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	221211	10.219	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	21196	11.194	ug/l	90
87) 1,2,4-Trichlorobenzene	13.838	180	156906	10.744	ug/l	100
88) Hexachlorobutadiene	14.021	225	81681	10.974	ug/l	99
89) Naphthalene	14.086	128	320551	10.468	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	148092	10.619	ug/l	100

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

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