

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101822\
 Data File : VU051436.D
 Acq On : 18 Oct 2022 11:50
 Operator : JC/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU101822

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/25/2022
 Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 19 02:22:30 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	45391	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	19912	1.251	ug/l	0.00
Spiked Amount 1.000			Recovery	=	125.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	18062	1.016	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	104375	6.585	ug/l	99
3) Chloromethane	1.530	50	158016	6.326	ug/l	96
4) Vinyl Chloride	1.604	62	158369	7.324	ug/l	99
5) Bromomethane	1.854	94	88286	7.323	ug/l	99
6) Chloroethane	1.935	64	99037	8.036	ug/l	98
7) Trichlorofluoromethane	2.141	101	210851	8.728	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	128420	9.635	ug/l	98
9) 1,1-Dichloroethene	2.581	96	123469	8.863	ug/l	96
10) Iodomethane	2.723	142	145990	8.087	ug/l	98
11) Allyl Chloride	2.922	41	200864	9.455	ug/l	96
12) Acrylonitrile	3.314	53	234421	57.190	ug/l	96
13) Acetone	2.626	43	155968	52.841	ug/l	99
14) Carbon Disulfide	2.793	76	352480	7.101	ug/l	100
15) Methylene Chloride	3.044	84	161683	9.553	ug/l	95
16) trans-1,2-Dichloroethene	3.349	96	136141	8.523	ug/l	98
17) 1,1-Dichloroethane	3.867	63	263065	9.160	ug/l	100
18) 2-Butanone	4.710	43	219420	61.262	ug/l	99
19) Cyclohexane	5.385	56	190655m	10.712	ug/l	
20) Methylcyclohexane	6.761	83	187930	8.622	ug/l	98
21) 2,2-Dichloropropane	4.665	77	186371	9.294	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	148739	9.842	ug/l	98
23) Diethyl Ether	2.378	59	111053	9.130	ug/l	98
24) tert-Butyl Alcohol	3.186	59	65528	51.372	ug/l	100
25) Methyl tert-Butyl Ether	3.366	73	392678	10.838	ug/l	98
26) Bromochloromethane	4.973	128	58771	7.978	ug/l	97
27) Chloroform	5.089	83	270977	9.317	ug/l	99
28) 1,1,1-Trichloroethane	5.314	97	217369	9.363	ug/l	99
29) 1,1-Dichloropropene	5.523	75	179295	10.084	ug/l	99
30) Carbon Tetrachloride	5.523	117	185109	9.450	ug/l	98
31) Isopropyl Ether	3.996	45	398045	11.718	ug/l	# 1
34) Propionitrile	4.774	54	157751	131.009	ug/l	99
35) Benzene	5.774	78	576184	9.657	ug/l	98
36) 1,2-Dichloroethane	5.796	62	186640	10.139	ug/l	100
37) Trichloroethene	6.542	130	128069	9.144	ug/l	96
38) 1,2-Dichloropropane	6.790	63	158745	9.697	ug/l	100
39) Methacrylonitrile	4.976	41	52491	12.755	ug/l	99
40) Methyl acrylate	4.848	55	84232	12.835	ug/l	98
41) Tetrahydrofuran	5.057	42	144715	66.966	ug/l	98
42) 1-Chlorobutane	5.459	56	259169	10.679	ug/l	99
43) Dibromomethane	6.918	93	91399	10.759	ug/l	98
44) Bromodichloromethane	7.105	83	207133	10.075	ug/l	99
45) 4-Methyl-2-Pentanone	7.793	43	547695	67.725	ug/l	99
46) t-1,4-Dichloro-2-butene	10.832	75	55631m	12.325	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.963	69	77902	10.238	ug/l	99
48) Ethyl methacrylate	8.333	69	140411	10.137	ug/l	99
49) Toluene	7.970	92	349849	10.692	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	184426	11.154	ug/l	99
51) cis-1,3-Dichloropropene	7.607	75	201656	10.345	ug/l	99
52) 1,1,2-Trichloroethane	8.401	97	135110	11.138	ug/l	99
53) 1,3-Dichloropropane	8.574	76	220133	11.260	ug/l	100
54) 2-Hexanone	8.684	43	385890	55.471	ug/l	100
55) Dibromochloromethane	8.809	129	142825	10.827	ug/l	100
56) 1,2-Dibromoethane	8.922	107	124242	11.649	ug/l	100
58) Tetrachloroethene	8.552	164	115586	9.472	ug/l	97
59) Chlorobenzene	9.446	112	349908	9.741	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	135303	9.830	ug/l	99
61) Pentachloroethane	11.426	117	130158	10.612	ug/l	96
62) Hexachloroethane	12.475	117	114564	9.836	ug/l	99
63) Ethyl Benzene	9.568	91	598804	8.953	ug/l	98
64) m/p-Xylenes	9.693	106	519399	19.017	ug/l	100
65) o-Xylene	10.102	106	233390	9.131	ug/l	97
66) Styrene	10.114	104	418350	9.455	ug/l	99
67) Bromoform	10.288	173	89045	12.027	ug/l	99
69) Isopropylbenzene	10.484	105	637878	9.813	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.780	83	193768	11.812	ug/l	100
71) 1,2,3-Trichloropropane	10.822	75	135093m	11.083	ug/l	
72) Bromobenzene	10.780	156	153689	10.759	ug/l	99
73) n-propylbenzene	10.905	120	172226	9.208	ug/l	98
74) 2-Chlorotoluene	10.986	126	158775	11.417	ug/l	95
75) 1,3,5-Trimethylbenzene	11.089	105	585052	9.714	ug/l	99
76) 4-Chlorotoluene	11.095	126	163481	9.622	ug/l	97
77) tert-Butylbenzene	11.420	119	518225	11.255	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	592978	9.406	ug/l	100
79) sec-Butylbenzene	11.642	105	729123	9.672	ug/l	99
80) Nitrobenzene	13.208	77	8116	9.991	ug/l	98
81) p-Isopropyltoluene	11.793	119	595283	9.454	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	317100	10.333	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	321181	10.693	ug/l	100
84) n-Butylbenzene	12.208	91	535900	8.944	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	317323	10.494	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	29932	11.668	ug/l	97
87) 1,2,4-Trichlorobenzene	13.838	180	179835	10.979	ug/l	100
88) Hexachlorobutadiene	14.021	225	106686	9.991	ug/l	99
89) Naphthalene	14.085	128	397598	11.601	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	186144	10.389	ug/l	99

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

