

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101722\
 Data File : VU051433.D
 Acq On : 17 Oct 2022 17:12
 Operator : JC/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

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

Quant Time: Oct 18 04:25:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 18 04:21:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	60177	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	22484	1.129	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	24003	1.083	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	322595m	15.993	ug/l	
3) Chloromethane	1.546	50	449663	16.416	ug/l	99
4) Vinyl Chloride	1.604	62	418663	16.296	ug/l	98
5) Bromomethane	1.848	94	232896	14.371	ug/l	98
6) Chloroethane	1.928	64	222559	13.965	ug/l	98
7) Trichlorofluoromethane	2.137	101	473448	16.174	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	258650	15.530	ug/l	99
9) 1,1-Dichloroethene	2.578	96	268946	15.384	ug/l	99
10) Iodomethane	2.719	142	378007	15.219	ug/l	99
11) Allyl Chloride	2.922	41	410317	15.077	ug/l	100
12) Acrylonitrile	3.317	53	160272	29.147	ug/l	99
13) Acetone	2.629	43	263551	71.691	ug/l	98
14) Carbon Disulfide	2.790	76	961303	14.562	ug/l	100
15) Methylene Chloride	3.044	84	331333	11.009	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	302125	15.241	ug/l	97
17) 1,1-Dichloroethane	3.864	63	550727	15.867	ug/l	99
18) 2-Butanone	4.713	43	404154	84.184	ug/l	100
19) Cyclohexane	5.385	56	425970m	18.419	ug/l	
20) Methylcyclohexane	6.761	83	457061	19.635	ug/l	98
21) 2,2-Dichloropropane	4.661	77	392931	16.615	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	322572	16.932	ug/l	99
23) Diethyl Ether	2.379	59	241147	15.417	ug/l	98
24) tert-Butyl Alcohol	3.199	59	246391	272.557	ug/l	99
25) Methyl tert-Butyl Ether	3.369	73	731080	15.636	ug/l	99
26) Bromochloromethane	4.973	128	147137	16.055	ug/l	96
27) Chloroform	5.089	83	560330	15.886	ug/l	99
28) 1,1,1-Trichloroethane	5.314	97	455706	16.299	ug/l	99
29) 1,1-Dichloropropene	5.523	75	398870	17.938	ug/l	99
30) Carbon Tetrachloride	5.520	117	383019	16.127	ug/l	97
31) Isopropyl Ether	4.002	45	744796	16.593	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	715890	17.954	ug/l	99
33) Tert-Amyl methyl ether	5.944	73	654339	18.358	ug/l	99
34) Propionitrile	4.780	54	135240	89.863	ug/l	98
35) Benzene	5.771	78	1227396	16.621	ug/l	100
36) 1,2-Dichloroethane	5.793	62	365073	15.763	ug/l	99
37) Trichloroethene	6.542	130	286534	16.016	ug/l	97
38) 1,2-Dichloropropane	6.790	63	331962	16.500	ug/l	99
39) Methacrylonitrile	4.980	41	97056	18.248	ug/l	98
40) Methyl acrylate	4.848	55	160557	17.568	ug/l	98
41) Tetrahydrofuran	5.063	42	96804	34.488	ug/l	98
42) 1-Chlorobutane	5.456	56	547261	17.715	ug/l	99
43) Dibromomethane	6.919	93	167923	15.538	ug/l	99
44) Bromodichloromethane	7.105	83	411047	16.240	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	993625	86.914	ug/l	99
46) t-1,4-Dichloro-2-butene	10.832	75	193590m	47.962	ug/l	
47) Methyl methacrylate	6.964	69	328668	37.755	ug/l	98
48) Ethyl methacrylate	8.333	69	286429	19.617	ug/l	99
49) Toluene	7.967	92	753445	18.687	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	373909	18.304	ug/l	99
51) cis-1,3-Dichloropropene	7.607	75	431760	18.129	ug/l	100
52) 1,1,2-Trichloroethane	8.401	97	244058	15.519	ug/l	99
53) 1,3-Dichloropropane	8.575	76	417965	16.678	ug/l	98
54) 2-Hexanone	8.684	43	708981	87.619	ug/l	99
55) Dibromochloromethane	8.809	129	269537	15.729	ug/l	99
56) 1,2-Dibromoethane	8.922	107	227167	16.211	ug/l	98
58) Tetrachloroethene	8.552	164	247767	14.037	ug/l	98
59) Chlorobenzene	9.446	112	788350	17.733	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	275291	15.898	ug/l	99
61) Pentachloroethane	11.426	117	247534	19.560	ug/l	99
62) Hexachloroethane	12.475	117	237506	16.995	ug/l	98
63) Ethyl Benzene	9.571	91	1395122	20.433	ug/l	98
64) m/p-Xylenes	9.693	106	1113435	41.218	ug/l	99
65) o-Xylene	10.099	106	524288	19.933	ug/l	98
66) Styrene	10.115	104	908183	20.940	ug/l	100
67) Bromoform	10.288	173	155128	15.710	ug/l	99
69) Isopropylbenzene	10.484	105	1341997	20.583	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	331832	16.304	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	259187m	16.014	ug/l	
72) Bromobenzene	10.780	156	321123	18.163	ug/l	97
73) n-propylbenzene	10.906	120	385207	21.725	ug/l	100
74) 2-Chlorotoluene	10.986	126	326412	18.927	ug/l	100
75) 1,3,5-Trimethylbenzene	11.086	105	1227020	21.152	ug/l	100
76) 4-Chlorotoluene	11.095	126	343967	20.112	ug/l	94
77) tert-Butylbenzene	11.420	119	1127633	20.814	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	1290314	21.563	ug/l	100
79) sec-Butylbenzene	11.642	105	1537829	20.670	ug/l	100
80) Nitrobenzene	13.205	77	87827	78.041	ug/l	95
81) p-Isopropyltoluene	11.793	119	1289620	21.918	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	661704	17.667	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	663214	17.925	ug/l	99
84) n-Butylbenzene	12.208	91	1236901	22.360	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	646339	17.489	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.996	75	54450	15.928	ug/l	97
87) 1,2,4-Trichlorobenzene	13.838	180	383794	19.165	ug/l	99
88) Hexachlorobutadiene	14.021	225	229590	17.792	ug/l	99
89) Naphthalene	14.086	128	862490	23.048	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	404644	18.867	ug/l	100

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

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