

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050374.D
 Acq On : 19 Aug 2022 13:41
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/30/2022
 Supervised By :Mahesh Dadoda 09/09/2022

Quant Time: Aug 19 14:10:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Aug 19 14:03:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	38553	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	15364	1.149	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	16458	1.096	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	166078	11.226	ug/l	100
3) Chloromethane	1.520	50	196621	10.861	ug/l	99
4) Vinyl Chloride	1.604	62	174229	10.967	ug/l	99
5) Bromomethane	1.855	94	66467	9.836	ug/l	98
6) Chloroethane	1.932	64	104638	10.585	ug/l	98
7) Trichlorofluoromethane	2.138	101	215417	11.560	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	118449	11.748	ug/l	97
9) 1,1-Dichloroethene	2.588	96	117585	11.106	ug/l	99
10) Iodomethane	2.732	142	100074	9.797	ug/l	100
11) Allyl Chloride	2.935	41	181823	10.490	ug/l	96
12) Acrylonitrile	3.340	53	72119m	20.774	ug/l	
13) Acetone	2.642	43	121924m	49.325	ug/l	
14) Carbon Disulfide	2.803	76	357265	9.960	ug/l	100
15) Methylene Chloride	3.060	84	140129	9.628	ug/l	94
16) trans-1,2-Dichloroethene	3.366	96	121864	10.563	ug/l	95
17) 1,1-Dichloroethane	3.883	63	251822	10.798	ug/l	97
18) 2-Butanone	4.752	43	201100m	52.152	ug/l	
19) Cyclohexane	5.362	56	180472m	13.029	ug/l	
20) Methylcyclohexane	6.793	83	166851	12.580	ug/l	99
21) 2,2-Dichloropropane	4.668	77	179846	10.395	ug/l	98
22) cis-1,2-Dichloroethene	4.671	96	136719	10.823	ug/l	95
23) Diethyl Ether	2.382	59	101553	10.655	ug/l	99
24) tert-Butyl Alcohol	3.224	59	116773m	86.503	ug/l	
25) Methyl tert-Butyl Ether	3.391	73	310374	10.379	ug/l	95
26) Bromochloromethane	4.977	128	53495	9.469	ug/l	93
27) Chloroform	5.086	83	242773	10.997	ug/l	97
28) 1,1,1-Trichloroethane	5.298	97	207905	11.778	ug/l	98
29) 1,1-Dichloropropene	5.504	75	164494	12.063	ug/l	97
30) Carbon Tetrachloride	5.501	117	171657	11.980	ug/l	99
31) Isopropyl Ether	4.028	45	388405	10.846	ug/l	98
32) Ethyl-t-butyl ether	4.533	59	316059	11.004	ug/l	99
33) Tert-Amyl methyl ether	5.961	73	237204	12.432	ug/l	97
34) Propionitrile	4.816	54	50821m	39.032	ug/l	
35) Benzene	5.758	78	508812	11.257	ug/l	99
36) 1,2-Dichloroethane	5.790	62	150559	10.638	ug/l	100
37) Trichloroethene	6.571	130	118595	10.805	ug/l	98
38) 1,2-Dichloropropane	6.832	63	139441	11.281	ug/l	98
39) Methacrylonitrile	4.996	41	42795	10.157	ug/l	96
40) Methyl acrylate	4.871	55	64265	8.709	ug/l	96
41) Tetrahydrofuran	5.089	42	46604m	20.351	ug/l	
42) 1-Chlorobutane	5.440	56	231613	11.902	ug/l	97
43) Dibromomethane	6.954	93	73602	10.794	ug/l	98
44) Bromodichloromethane	7.141	83	172155	10.835	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.829	43	414291	56.869	ug/l	99
46) t-1,4-Dichloro-2-butene	10.832	75	88953m	34.951	ug/l	
47) Methyl methacrylate	7.005	69	129822	23.659	ug/l	93
48) Ethyl methacrylate	8.359	69	116503	12.070	ug/l	93
49) Toluene	7.989	92	308224	12.293	ug/l	97
50) t-1,3-Dichloropropene	8.234	75	145418	11.152	ug/l	97
51) cis-1,3-Dichloropropene	7.636	75	164271	11.020	ug/l	95
52) 1,1,2-Trichloroethane	8.423	97	108294	10.660	ug/l	99
53) 1,3-Dichloropropane	8.594	76	177016	11.171	ug/l	100
54) 2-Hexanone	8.710	43	286245	56.703	ug/l	98
55) Dibromochloromethane	8.829	129	117858	10.823	ug/l	99
56) 1,2-Dibromoethane	8.941	107	99383	11.160	ug/l	100
58) Tetrachloroethene	8.568	164	113466	11.054	ug/l	99
59) Chlorobenzene	9.459	112	317429	11.701	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.546	131	124645	11.106	ug/l	99
61) Pentachloroethane	11.433	117	104233	11.236	ug/l	94
62) Hexachloroethane	12.478	117	90827	12.438	ug/l	99
63) Ethyl Benzene	9.581	91	561016	13.119	ug/l	99
64) m/p-Xylenes	9.703	106	456049	27.421	ug/l	98
65) o-Xylene	10.108	106	210537	13.094	ug/l	97
66) Styrene	10.121	104	375959	14.175	ug/l	98
67) Bromoform	10.298	173	68538	10.845	ug/l	99
69) Isopropylbenzene	10.491	105	545975	13.259	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.790	83	148178	10.697	ug/l	100
71) 1,2,3-Trichloropropane	10.832	75	115557m	11.626	ug/l	
72) Bromobenzene	10.787	156	137977	12.017	ug/l	97
73) n-propylbenzene	10.912	120	155881	14.388	ug/l	95
74) 2-Chlorotoluene	10.989	126	142503	13.431	ug/l	94
75) 1,3,5-Trimethylbenzene	11.092	105	507359	14.111	ug/l	100
76) 4-Chlorotoluene	11.102	126	153242	14.411	ug/l	87
77) tert-Butylbenzene	11.423	119	466834	13.237	ug/l	98
78) 1,2,4-Trimethylbenzene	11.472	105	519541	14.008	ug/l	98
79) sec-Butylbenzene	11.648	105	635346	13.639	ug/l	100
80) Nitrobenzene	13.211	77	39878	47.633	ug/l #	98
81) p-Isopropyltoluene	11.796	119	521781	13.987	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	288237	12.334	ug/l	98
83) 1,4-Dichlorobenzene	11.841	146	288214	12.248	ug/l	99
84) n-Butylbenzene	12.211	91	468320	13.237	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	279630	11.971	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	23427	10.562	ug/l	98
87) 1,2,4-Trichlorobenzene	13.841	180	164802	12.106	ug/l	99
88) Hexachlorobutadiene	14.021	225	99222	12.319	ug/l	100
89) Naphthalene	14.089	128	353415	11.473	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	177853	12.690	ug/l	99

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

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