

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
 Data File : VU051113.D
 Acq On : 04 Oct 2022 19:30
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/05/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 05 02:50:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	61351	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	22955	1.139	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	24335	1.086	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	218193	10.821	ug/l	98
3) Chloromethane	1.523	50	274614	10.153	ug/l	99
4) Vinyl Chloride	1.604	62	272128	10.596	ug/l	100
5) Bromomethane	1.861	94	162912	9.964	ug/l	98
6) Chloroethane	1.935	64	171476	10.641	ug/l	99
7) Trichlorofluoromethane	2.141	101	319966	10.993	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	186553	11.137	ug/l	95
9) 1,1-Dichloroethene	2.581	96	190899	10.816	ug/l	100
10) Iodomethane	2.723	142	294062	11.428	ug/l	94
11) Allyl Chloride	2.922	41	295209	10.691	ug/l	96
12) Acrylonitrile	3.321	53	99656	18.060	ug/l	99
13) Acetone	2.645	43	143439	48.416	ug/l	95
14) Carbon Disulfide	2.793	76	673261	10.073	ug/l	99
15) Methylene Chloride	3.044	84	232554	11.111	ug/l	95
16) trans-1,2-Dichloroethene	3.349	96	214413	10.757	ug/l	96
17) 1,1-Dichloroethane	3.867	63	369383	10.629	ug/l	99
18) 2-Butanone	4.722	43	223368	49.605	ug/l	98
19) Cyclohexane	5.388	56	275687m	11.827	ug/l	
20) Methylcyclohexane	6.764	83	279199	11.966	ug/l	98
21) 2,2-Dichloropropane	4.665	77	253239	10.688	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	211317	11.042	ug/l	95
23) Diethyl Ether	2.378	59	162945	10.358	ug/l	98
24) tert-Butyl Alcohol	3.237	59	94760m	127.643	ug/l	
25) Methyl tert-Butyl Ether	3.369	73	482552	10.290	ug/l	95
26) Bromochloromethane	4.973	128	96515	10.491	ug/l	95
27) Chloroform	5.089	83	380368	10.754	ug/l	97
28) 1,1,1-Trichloroethane	5.314	97	301708	10.777	ug/l	98
29) 1,1-Dichloropropene	5.526	75	261829	11.759	ug/l	99
30) Carbon Tetrachloride	5.523	117	256126	10.788	ug/l	98
31) Isopropyl Ether	3.996	45	488381	10.705	ug/l	88
32) Ethyl-t-butyl ether	4.507	59	424585	10.593	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	391433	10.933	ug/l	98
34) Propionitrile	4.796	54	70331	47.801	ug/l #	92
35) Benzene	5.774	78	824393	11.116	ug/l	98
36) 1,2-Dichloroethane	5.793	62	237728	10.213	ug/l	99
37) Trichloroethene	6.542	130	191702	10.623	ug/l	100
38) 1,2-Dichloropropane	6.790	63	225018	11.115	ug/l	99
39) Methacrylonitrile	4.980	41	56636	10.646	ug/l	94
40) Methyl acrylate	4.851	55	91245	9.922	ug/l	98
41) Tetrahydrofuran	5.066	42	51477	18.268	ug/l	93
42) 1-Chlorobutane	5.456	56	362131	11.655	ug/l	99
43) Dibromomethane	6.918	93	113812	10.468	ug/l	97
44) Bromodichloromethane	7.105	83	274452	10.815	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	611259	53.495	ug/l	98
46) t-1,4-Dichloro-2-butene	10.835	75	87624m	23.247	ug/l	
47) Methyl methacrylate	6.964	69	198596	22.832	ug/l	95
48) Ethyl methacrylate	8.333	69	161717	11.089	ug/l	95
49) Toluene	7.967	92	491837	12.214	ug/l	96
50) t-1,3-Dichloropropene	8.211	75	223253	10.941	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	261704	11.006	ug/l	96
52) 1,1,2-Trichloroethane	8.398	97	161847	10.262	ug/l	99
53) 1,3-Dichloropropane	8.574	76	268732	10.731	ug/l	100
54) 2-Hexanone	8.687	43	427733	52.891	ug/l	99
55) Dibromochloromethane	8.809	129	177097	10.305	ug/l	98
56) 1,2-Dibromoethane	8.925	107	147049	10.414	ug/l	98
58) Tetrachloroethene	8.552	164	203268	11.139	ug/l	97
59) Chlorobenzene	9.446	112	491387	11.066	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.533	131	182426	10.473	ug/l	98
61) Pentachloroethane	11.426	117	130663	10.839	ug/l	83
62) Hexachloroethane	12.475	117	152724	10.979	ug/l	98
63) Ethyl Benzene	9.571	91	849766	12.463	ug/l	99
64) m/p-Xylenes	9.693	106	723726	21.963	ug/l	97
65) o-Xylene	10.102	106	326476	12.492	ug/l	98
66) Styrene	10.115	104	574611	10.746	ug/l	98
67) Bromoform	10.288	173	102133	10.297	ug/l	98
69) Isopropylbenzene	10.484	105	819951	10.375	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.780	83	202632	10.062	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	157412m	9.630	ug/l	
72) Bromobenzene	10.780	156	205290	11.600	ug/l	99
73) n-propylbenzene	10.905	120	237027	10.728	ug/l	98
74) 2-Chlorotoluene	10.986	126	216818	12.646	ug/l	97
75) 1,3,5-Trimethylbenzene	11.086	105	780085	10.849	ug/l	99
76) 4-Chlorotoluene	11.095	126	232665	11.260	ug/l	89
77) tert-Butylbenzene	11.420	119	675480	12.619	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	810829	10.820	ug/l	98
79) sec-Butylbenzene	11.642	105	979182	10.834	ug/l	99
80) Nitrobenzene	13.208	77	46702	50.752	ug/l	98
81) p-Isopropyltoluene	11.793	119	802692	10.776	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	432817	11.604	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	438310	11.923	ug/l	99
84) n-Butylbenzene	12.208	91	732882	10.755	ug/l	97
85) 1,2-Dichlorobenzene	12.211	146	418467	11.389	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	30948	9.939	ug/l	94
87) 1,2,4-Trichlorobenzene	13.838	180	203146	9.781	ug/l	99
88) Hexachlorobutadiene	14.018	225	146741	11.491	ug/l	100
89) Naphthalene	14.085	128	378441	10.619	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	224947	10.354	ug/l	98

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

