

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020624\
 Data File : VU057827.D
 Acq On : 06 Feb 2024 18:12
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

Quant Time: Feb 07 03:03:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 06 02:05:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.106	96	40757	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14940	0.999	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13426	1.015	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	140344	10.530	ug/l	100
3) Chloromethane	1.518	50	130918	10.233	ug/l	99
4) Vinyl Chloride	1.599	62	141372	10.701	ug/l	100
5) Bromomethane	1.853	94	85965	10.776	ug/l	99
6) Chloroethane	1.927	64	91109	10.714	ug/l	99
7) Trichlorofluoromethane	2.132	101	214190	10.706	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	104718	10.468	ug/l	96
9) 1,1-Dichloroethene	2.573	96	102699	10.469	ug/l	99
10) Iodomethane	2.714	142	157929	10.013	ug/l	92
11) Allyl Chloride	2.914	41	161512	10.789	ug/l	91
12) Acrylonitrile	3.316	53	44526	21.506	ug/l	95
13) Acetone	2.637	43	182444	44.989	ug/l	94
14) Carbon Disulfide	2.785	76	319700	10.194	ug/l	100
15) Methylene Chloride	3.036	84	138248	10.975	ug/l	97
16) trans-1,2-Dichloroethene	3.341	96	111461	10.468	ug/l	95
17) 1,1-Dichloroethane	3.856	63	235114	10.990	ug/l	98
18) 2-Butanone	4.717	43	214852	52.846	ug/l	95
19) Cyclohexane	5.370	56	182577	10.862	ug/l	97
20) Methylcyclohexane	6.753	83	207325	10.655	ug/l	97
21) 2,2-Dichloropropane	4.653	77	197881	10.272	ug/l	96
22) cis-1,2-Dichloroethene	4.653	96	123809	10.561	ug/l	91
23) Diethyl Ether	2.370	59	80752	10.668	ug/l	99
24) tert-Butyl Alcohol	3.248	59	60190	109.595	ug/l #	1
25) Methyl tert-Butyl Ether	3.357	73	268470	10.747	ug/l	96
26) Bromochloromethane	4.965	128	47289	10.363	ug/l	86
27) Chloroform	5.078	83	230773	10.813	ug/l	97
28) 1,1,1-Trichloroethane	5.303	97	204281	10.569	ug/l	98
29) 1,1-Dichloropropene	5.512	75	167564	10.550	ug/l	97
30) Carbon Tetrachloride	5.508	117	177432	10.713	ug/l	99
31) Isopropyl Ether	3.991	45	367726	11.197	ug/l	94
32) Ethyl-t-butyl ether	4.502	59	350263	10.844	ug/l	96
33) Tert-Amyl methyl ether	5.942	73	287865	10.645	ug/l	98
34) Propionitrile	4.791	54	41220	54.325	ug/l #	11
35) Benzene	5.762	78	482197	10.601	ug/l	100
36) 1,2-Dichloroethane	5.788	62	143927	10.822	ug/l	98
37) Trichloroethene	6.534	130	125178	10.688	ug/l	98
38) 1,2-Dichloropropane	6.785	63	132919	11.050	ug/l	99
39) Methacrylonitrile	4.975	41	37691	11.399	ug/l	94
40) Methyl acrylate	4.846	55	62282	11.309	ug/l #	97
41) Tetrahydrofuran	5.065	42	36449	22.123	ug/l	97
42) 1-Chlorobutane	5.447	56	227054	10.768	ug/l	97
43) Dibromomethane	6.914	93	60249	10.908	ug/l	95
44) Bromodichloromethane	7.100	83	162964	10.855	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	327987	53.123	ug/l	98
46) t-1,4-Dichloro-2-butene	10.839	75	28946m	17.480	ug/l	
47) Methyl methacrylate	6.962	69	111607	22.042	ug/l	93
48) Ethyl methacrylate	8.331	69	110632	10.892	ug/l	97
49) Toluene	7.962	92	299038	10.873	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	146231	10.712	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	180147	10.579	ug/l	94
52) 1,1,2-Trichloroethane	8.396	97	83222	10.948	ug/l	98
53) 1,3-Dichloropropane	8.569	76	148203	10.738	ug/l	100
54) 2-Hexanone	8.685	43	305204	51.053	ug/l	97
55) Dibromochloromethane	8.804	129	97814	10.770	ug/l	98
56) 1,2-Dibromoethane	8.920	107	77588	10.895	ug/l	99
58) Tetrachloroethene	8.547	164	108916	10.721	ug/l	94
59) Chlorobenzene	9.441	112	323941	10.711	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	113558	10.953	ug/l	97
61) Pentachloroethane	11.421	117	79366	10.383	ug/l	90
62) Hexachloroethane	12.470	117	96676	10.913	ug/l	94
63) Ethyl Benzene	9.566	91	593796	10.910	ug/l	99
64) m/p-Xylenes	9.688	106	433218	21.725	ug/l	97
65) o-Xylene	10.097	106	212658	10.735	ug/l	95
66) Styrene	10.110	104	342396	11.192	ug/l	97
67) Bromoform	10.286	173	50569	11.066	ug/l	99
69) Isopropylbenzene	10.479	105	572726	10.897	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	99184	10.835	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	93916m	11.610	ug/l	
72) Bromobenzene	10.778	156	120343	10.688	ug/l	96
73) n-propylbenzene	10.900	120	151367	11.040	ug/l	99
74) 2-Chlorotoluene	10.981	126	130312	10.880	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	488770	11.003	ug/l	99
76) 4-Chlorotoluene	11.093	126	133044	11.031	ug/l	93
77) tert-Butylbenzene	11.415	119	463995	10.840	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	498012	11.083	ug/l	99
79) sec-Butylbenzene	11.637	105	618869	10.948	ug/l	98
80) Nitrobenzene	13.203	77	11659	39.234	ug/l #	92
81) p-Isopropyltoluene	11.788	119	518015	11.145	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	242584	10.778	ug/l	97
83) 1,4-Dichlorobenzene	11.830	146	242439	10.873	ug/l	99
84) n-Butylbenzene	12.203	91	503873	11.360	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	221416	10.592	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.990	75	15663	10.247	ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	142527	11.167	ug/l	98
88) Hexachlorobutadiene	14.016	225	85331	10.669	ug/l	99
89) Naphthalene	14.084	128	265430	11.877	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	126401	11.542	ug/l	99

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

