

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
 Data File : VU060328.D
 Acq On : 06 Aug 2024 17:48
 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 :Mahesh Dadoda 08/12/2024
 Supervised By :Semsettin Yesilyurt 08/12/2024

Quant Time: Aug 07 07:05:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	35897	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13302	1.088	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14482	1.090	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	129554	9.383	ug/l	99
3) Chloromethane	1.518	50	136839	8.668	ug/l	97
4) Vinyl Chloride	1.599	62	149457	9.470	ug/l	99
5) Bromomethane	1.853	94	95162	9.813	ug/l	99
6) Chloroethane	1.927	64	89357	9.355	ug/l	99
7) Trichlorofluoromethane	2.133	101	182855	9.604	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	100039	9.656	ug/l	97
9) 1,1-Dichloroethene	2.573	96	100885	9.400	ug/l	91
10) Iodomethane	2.714	142	154038	9.682	ug/l	97
11) Allyl Chloride	2.917	41	120426	8.185	ug/l	100
12) Acrylonitrile	3.319	53	48728	17.378	ug/l	97
13) Acetone	2.644	43	88572	26.006	ug/l	100
14) Carbon Disulfide	2.785	76	333979	9.178	ug/l	100
15) Methylene Chloride	3.036	84	123253	9.174	ug/l	94
16) trans-1,2-Dichloroethene	3.345	96	112933	9.821	ug/l	94
17) 1,1-Dichloroethane	3.859	63	203547	9.207	ug/l	98
18) 2-Butanone	4.708	43	136043	34.577	ug/l	99
19) Cyclohexane	5.380	56	169012m	8.868	ug/l	
20) Methylcyclohexane	6.756	83	173934	11.500	ug/l	99
21) 2,2-Dichloropropane	4.653	77	144565	8.396	ug/l	97
22) cis-1,2-Dichloroethene	4.660	96	124027	10.068	ug/l	92
23) Diethyl Ether	2.370	59	84152	9.649	ug/l	97
24) tert-Butyl Alcohol	3.232	59	87435m	80.258	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	240480	9.128	ug/l	99
26) Bromochloromethane	4.965	128	55626	10.664	ug/l	91
27) Chloroform	5.078	83	226263	10.459	ug/l	99
28) 1,1,1-Trichloroethane	5.306	97	176861	9.842	ug/l	98
29) 1,1-Dichloropropene	5.518	75	149853	10.407	ug/l	99
30) Carbon Tetrachloride	5.515	117	152542	10.416	ug/l	96
31) Isopropyl Ether	3.985	45	266213	8.237	ug/l	97
32) Ethyl-t-butyl ether	4.493	59	266687	8.538	ug/l	97
33) Tert-Amyl methyl ether	5.933	73	252387	11.383	ug/l	99
34) Propionitrile	4.788	54	50119	44.569	ug/l	# 78
35) Benzene	5.766	78	475535	10.717	ug/l	98
36) 1,2-Dichloroethane	5.785	62	123618	10.026	ug/l	100
37) Trichloroethene	6.537	130	119159	10.849	ug/l	100
38) 1,2-Dichloropropane	6.785	63	127803	10.648	ug/l	99
39) Methacrylonitrile	4.968	41	31291	7.688	ug/l	92
40) Methyl acrylate	4.846	55	60628	8.507	ug/l	97
41) Tetrahydrofuran	5.055	42	34113	15.393	ug/l	95
42) 1-Chlorobutane	5.451	56	203144	10.232	ug/l	100
43) Dibromomethane	6.910	93	62363	10.271	ug/l	97
44) Bromodichloromethane	7.097	83	155459	10.664	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	325746	57.136	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	69366m	21.713	ug/l	
47) Methyl methacrylate	6.955	69	120146	24.386	ug/l	97
48) Ethyl methacrylate	8.328	69	104514	12.494	ug/l	98
49) Toluene	7.962	92	287681	11.693	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	135497	11.258	ug/l	95
51) cis-1,3-Dichloropropene	7.602	75	162885	11.250	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	94142	10.562	ug/l	98
53) 1,3-Dichloropropane	8.570	76	153366	10.784	ug/l	99
54) 2-Hexanone	8.679	43	232078	52.521	ug/l	98
55) Dibromochloromethane	8.804	129	110195	11.271	ug/l	100
56) 1,2-Dibromoethane	8.917	107	84806	10.610	ug/l	98
58) Tetrachloroethene	8.547	164	108531	11.056	ug/l	97
59) Chlorobenzene	9.441	112	307467	11.543	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	111764	10.650	ug/l	99
61) Pentachloroethane	11.422	117	91826	10.245	ug/l	99
62) Hexachloroethane	12.470	117	91951	10.613	ug/l	100
63) Ethyl Benzene	9.566	91	519971	10.117	ug/l	98
64) m/p-Xylenes	9.688	106	421830	20.449	ug/l	99
65) o-Xylene	10.094	106	198951	10.218	ug/l	99
66) Styrene	10.110	104	343860	10.281	ug/l	99
67) Bromoform	10.283	173	66833	11.672	ug/l	99
69) Isopropylbenzene	10.479	105	509870	10.146	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	120346	10.147	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	95316m	10.850	ug/l	
72) Bromobenzene	10.775	156	126023	11.521	ug/l	99
73) n-propylbenzene	10.901	120	147546	10.222	ug/l	99
74) 2-Chlorotoluene	10.981	126	131731	10.335	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	459270	10.238	ug/l	100
76) 4-Chlorotoluene	11.090	126	138355	10.339	ug/l	98
77) tert-Butylbenzene	11.415	119	422533	9.984	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	474601	10.152	ug/l	100
79) sec-Butylbenzene	11.637	105	581231	10.016	ug/l	100
80) Nitrobenzene	13.203	77	25087	48.168	ug/l #	98
81) p-Isopropyltoluene	11.788	119	481107	9.973	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	260523	11.416	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	260593	11.503	ug/l	100
84) n-Butylbenzene	12.203	91	454931	9.780	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	251195	11.380	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	17851	10.381	ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	147430	11.679	ug/l	99
88) Hexachlorobutadiene	14.016	225	85905	10.524	ug/l	97
89) Naphthalene	14.081	128	260743	11.674	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	145019	11.767	ug/l	99

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

