

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
 Data File : VU060314.D
 Acq On : 06 Aug 2024 09:55
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
 Supervised By :Semsettin Yesilyurt 08/12/2024

Quant Time: Aug 07 06:46:32 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	6.107	96	36366	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	16931	1.366	ug/l	0.00
Spiked Amount 1.000			Recovery	=	137.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14211	1.056	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	135845	9.712	ug/l	99
3) Chloromethane	1.525	50	144774	9.053	ug/l	99
4) Vinyl Chloride	1.602	62	149274	9.337	ug/l	100
5) Bromomethane	1.834	94	86747	8.830	ug/l	100
6) Chloroethane	1.917	64	90950	9.399	ug/l	99
7) Trichlorofluoromethane	2.129	101	187072	9.698	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	101129	9.636	ug/l	99
9) 1,1-Dichloroethene	2.570	96	103753	9.543	ug/l	95
10) Iodomethane	2.711	142	153101	9.499	ug/l	99
11) Allyl Chloride	2.911	41	142450	9.557	ug/l	100
12) Acrylonitrile	3.306	53	49948	17.583	ug/l	97
13) Acetone	2.618	43	175758	50.940	ug/l	97
14) Carbon Disulfide	2.782	76	345332	9.367	ug/l	100
15) Methylene Chloride	3.033	84	124483	9.146	ug/l	100
16) trans-1,2-Dichloroethene	3.342	96	110753	9.507	ug/l	98
17) 1,1-Dichloroethane	3.856	63	211635	9.449	ug/l	100
18) 2-Butanone	4.708	43	195884	49.145	ug/l	99
19) Cyclohexane	5.367	56	187179m	9.695	ug/l	
20) Methylcyclohexane	6.753	83	165143	10.778	ug/l	100
21) 2,2-Dichloropropane	4.650	77	171029	9.805	ug/l	100
22) cis-1,2-Dichloroethene	4.653	96	121360	9.725	ug/l	99
23) Diethyl Ether	2.371	59	81035	9.171	ug/l	97
24) tert-Butyl Alcohol	3.184	59	91424	82.837	ug/l #	88
25) Methyl tert-Butyl Ether	3.361	73	245658	9.204	ug/l	99
26) Bromochloromethane	4.962	128	50952	9.642	ug/l	97
27) Chloroform	5.078	83	208317	9.505	ug/l	97
28) 1,1,1-Trichloroethane	5.300	97	175525	9.642	ug/l	99
29) 1,1-Dichloropropene	5.509	75	140926	9.661	ug/l	99
30) Carbon Tetrachloride	5.509	117	147698	9.955	ug/l	98
31) Isopropyl Ether	3.991	45	308788	9.431	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	297225	9.393	ug/l	99
33) Tert-Amyl methyl ether	5.946	73	223861	9.966	ug/l	99
34) Propionitrile	4.776	54	46932	41.196	ug/l #	92
35) Benzene	5.763	78	444594	9.891	ug/l	99
36) 1,2-Dichloroethane	5.785	62	118041	9.450	ug/l	99
37) Trichloroethene	6.534	130	108425	9.744	ug/l	100
38) 1,2-Dichloropropane	6.785	63	121962	10.030	ug/l	100
39) Methacrylonitrile	4.975	41	34666	8.408	ug/l	99
40) Methyl acrylate	4.846	55	59984	8.308	ug/l	98
41) Tetrahydrofuran	5.059	42	34577	15.401	ug/l	97
42) 1-Chlorobutane	5.444	56	197076	9.799	ug/l	99
43) Dibromomethane	6.914	93	57247	9.307	ug/l	97
44) Bromodichloromethane	7.100	83	146507	9.920	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	288183	49.896	ug/l	100
46) t-1,4-Dichloro-2-butene	10.830	75	69768m	21.557	ug/l	
47) Methyl methacrylate	6.962	69	105016	21.040	ug/l	97
48) Ethyl methacrylate	8.335	69	91022	10.741	ug/l	98
49) Toluene	7.962	92	272247	10.923	ug/l	98
50) t-1,3-Dichloropropene	8.206	75	127073	10.422	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	147824	10.079	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	86226	9.549	ug/l	99
53) 1,3-Dichloropropane	8.570	76	142760	9.909	ug/l	99
54) 2-Hexanone	8.685	43	265475	59.305	ug/l	98
55) Dibromochloromethane	8.804	129	99764	10.073	ug/l	99
56) 1,2-Dibromoethane	8.920	107	77667	9.592	ug/l	99
58) Tetrachloroethene	8.547	164	104027	10.461	ug/l	98
59) Chlorobenzene	9.441	112	288346	10.685	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	106767	10.042	ug/l	99
61) Pentachloroethane	11.422	117	94503	10.407	ug/l	98
62) Hexachloroethane	12.470	117	93671	10.672	ug/l	99
63) Ethyl Benzene	9.566	91	495629	9.549	ug/l	99
64) m/p-Xylenes	9.689	106	413930	19.836	ug/l	98
65) o-Xylene	10.097	106	189743	9.646	ug/l	100
66) Styrene	10.110	104	337591	9.978	ug/l	99
67) Bromoform	10.287	173	58705	10.120	ug/l	99
69) Isopropylbenzene	10.480	105	496083	9.764	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	117126	9.748	ug/l	99
71) 1,2,3-Trichloropropane	10.830	75	85325m	9.587	ug/l	
72) Bromobenzene	10.779	156	123056	11.105	ug/l	99
73) n-propylbenzene	10.901	120	146267	10.013	ug/l	99
74) 2-Chlorotoluene	10.981	126	129791	10.061	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	459991	10.127	ug/l	100
76) 4-Chlorotoluene	11.090	126	137699	10.163	ug/l	100
77) tert-Butylbenzene	11.415	119	420854	9.824	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	480373	10.144	ug/l	100
79) sec-Butylbenzene	11.637	105	591703	10.063	ug/l	99
80) Nitrobenzene	13.206	77	23671	44.863	ug/l #	96
81) p-Isopropyltoluene	11.788	119	489598	10.016	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	261905	11.329	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	268322	11.692	ug/l	98
84) n-Butylbenzene	12.203	91	472139	10.007	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	252798	11.305	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	16826	9.659	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	136743	10.692	ug/l	100
88) Hexachlorobutadiene	14.016	225	91017	11.006	ug/l	99
89) Naphthalene	14.084	128	224611	9.927	ug/l	100
90) 1,2,3-Trichlorobenzene	14.325	180	134566	10.778	ug/l	100

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

