

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080724\
 Data File : VU060330.D
 Acq On : 07 Aug 2024 10:13
 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 08 05:48:08 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	34936	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	12769	1.073	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13821	1.069	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	132278	9.844	ug/l	100
3) Chloromethane	1.512	50	146076	9.508	ug/l	100
4) Vinyl Chloride	1.596	62	155553	10.128	ug/l	100
5) Bromomethane	1.850	94	101646	10.770	ug/l	97
6) Chloroethane	1.927	64	92663	9.968	ug/l	98
7) Trichlorofluoromethane	2.129	101	187669	10.128	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	104078	10.322	ug/l	98
9) 1,1-Dichloroethene	2.570	96	108265	10.365	ug/l	92
10) Iodomethane	2.711	142	164533	10.626	ug/l	96
11) Allyl Chloride	2.914	41	134109	9.366	ug/l	98
12) Acrylonitrile	3.325	53	50345m	18.449	ug/l	
13) Acetone	2.647	43	175935	53.078	ug/l	99
14) Carbon Disulfide	2.782	76	346041	9.771	ug/l	100
15) Methylene Chloride	3.036	84	126107	9.645	ug/l	94
16) trans-1,2-Dichloroethene	3.341	96	117303	10.482	ug/l	93
17) 1,1-Dichloroethane	3.856	63	210915	9.803	ug/l	99
18) 2-Butanone	4.714	43	199747	52.165	ug/l	99
19) Cyclohexane	5.380	56	178646m	9.632	ug/l	
20) Methylcyclohexane	6.756	83	186893	12.697	ug/l	99
21) 2,2-Dichloropropane	4.653	77	164772	9.833	ug/l	96
22) cis-1,2-Dichloroethene	4.657	96	126831	10.579	ug/l	94
23) Diethyl Ether	2.370	59	88092	10.378	ug/l	96
24) tert-Butyl Alcohol	3.341	59	76354m	72.014	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	241721	9.427	ug/l	99
26) Bromochloromethane	4.965	128	56361	11.102	ug/l	90
27) Chloroform	5.078	83	217622	10.336	ug/l	98
28) 1,1,1-Trichloroethane	5.306	97	179829	10.282	ug/l	97
29) 1,1-Dichloropropene	5.518	75	154170	11.002	ug/l	99
30) Carbon Tetrachloride	5.515	117	155278	10.895	ug/l	98
31) Isopropyl Ether	3.981	45	282238	8.973	ug/l	98
32) Ethyl-t-butyl ether	4.493	59	276714	9.102	ug/l	99
33) Tert-Amyl methyl ether	5.933	73	259431	12.022	ug/l	99
34) Propionitrile	4.801	54	47866m	43.736	ug/l	
35) Benzene	5.766	78	489233	11.330	ug/l	98
36) 1,2-Dichloroethane	5.785	62	123876	10.323	ug/l	100
37) Trichloroethene	6.534	130	123677	11.570	ug/l	100
38) 1,2-Dichloropropane	6.782	63	129008	11.044	ug/l	99
39) Methacrylonitrile	4.968	41	29796	7.522	ug/l	91
40) Methyl acrylate	4.843	55	59840	8.628	ug/l	# 95
41) Tetrahydrofuran	5.062	42	34068	15.796	ug/l	95
42) 1-Chlorobutane	5.447	56	211081	10.925	ug/l	100
43) Dibromomethane	6.914	93	60934	10.312	ug/l	97
44) Bromodichloromethane	7.097	83	154999	10.925	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	317367	57.198	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	68831m	22.138	ug/l	
47) Methyl methacrylate	6.955	69	115737	24.137	ug/l	97
48) Ethyl methacrylate	8.328	69	104919	12.887	ug/l	97
49) Toluene	7.962	92	297061	12.407	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	140388	11.985	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	168905	11.987	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	89832	10.356	ug/l	97
53) 1,3-Dichloropropane	8.570	76	150792	10.895	ug/l	100
54) 2-Hexanone	8.679	43	288108	66.995	ug/l	97
55) Dibromochloromethane	8.804	129	103434	10.871	ug/l	99
56) 1,2-Dibromoethane	8.917	107	81998	10.541	ug/l	96
58) Tetrachloroethene	8.547	164	111443	11.665	ug/l	98
59) Chlorobenzene	9.441	112	321269	12.393	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	112687	11.033	ug/l	99
61) Pentachloroethane	11.422	117	94158	10.794	ug/l	96
62) Hexachloroethane	12.470	117	94635	11.223	ug/l	99
63) Ethyl Benzene	9.563	91	549185	10.937	ug/l	99
64) m/p-Xylenes	9.688	106	441482	21.923	ug/l	98
65) o-Xylene	10.094	106	208698	10.979	ug/l	99
66) Styrene	10.110	104	353451	10.832	ug/l	100
67) Bromoform	10.283	173	60081	10.781	ug/l	99
69) Isopropylbenzene	10.479	105	535933	10.920	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	115460	10.003	ug/l	98
71) 1,2,3-Trichloropropane	10.830	75	88987m	10.408	ug/l	
72) Bromobenzene	10.775	156	129712	12.185	ug/l	99
73) n-propylbenzene	10.901	120	156934	11.126	ug/l	96
74) 2-Chlorotoluene	10.981	126	136404	10.976	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	482671	11.019	ug/l	100
76) 4-Chlorotoluene	11.090	126	143144	10.970	ug/l	99
77) tert-Butylbenzene	11.415	119	449009	10.861	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	498786	10.923	ug/l	100
79) sec-Butylbenzene	11.637	105	612242	10.803	ug/l	99
80) Nitrobenzene	13.206	77	21443	42.304	ug/l #	99
81) p-Isopropyltoluene	11.788	119	518197	10.982	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	271231	12.213	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	274291	12.441	ug/l	98
84) n-Butylbenzene	12.203	91	490684	10.783	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	256645	11.947	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	16063	9.598	ug/l	94
87) 1,2,4-Trichlorobenzene	13.833	180	155084	12.623	ug/l	99
88) Hexachlorobutadiene	14.013	225	94601	11.908	ug/l	99
89) Naphthalene	14.081	128	253777	11.675	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	143751	11.985	ug/l	99

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

