

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055795.D
 Acq On : 18 Oct 2023 10:50
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

Quant Time: Oct 19 02:14:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 02:09:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	96125	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	36546	0.964	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	35323	1.005	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	172233	4.614	ug/l	99
3) Chloromethane	1.518	50	145373	4.557	ug/l	96
4) Vinyl Chloride	1.602	62	152350	4.660	ug/l	98
5) Bromomethane	1.856	94	82482	4.583	ug/l	100
6) Chloroethane	1.930	64	73427	4.637	ug/l	100
7) Trichlorofluoromethane	2.136	101	199663	4.631	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	131522	4.576	ug/l	94
9) 1,1-Dichloroethene	2.579	96	122212	4.559	ug/l	93
10) Iodomethane	2.718	142	191516	4.765	ug/l	98
11) Allyl Chloride	2.920	41	160386	4.602	ug/l	97
12) Acrylonitrile	3.319	53	47519	9.432	ug/l	97
13) Acetone	2.634	43	247765	23.052	ug/l	100
14) Carbon Disulfide	2.788	76	407546	4.657	ug/l	100
15) Methylene Chloride	3.039	84	145219	4.592	ug/l	95
16) trans-1,2-Dichloroethene	3.348	96	133426	4.695	ug/l	97
17) 1,1-Dichloroethane	3.862	63	245819	4.652	ug/l	99
18) 2-Butanone	4.705	43	280716	24.242	ug/l	97
19) Cyclohexane	5.383	56	214410m	5.363	ug/l	
20) Methylcyclohexane	6.759	83	219790	4.693	ug/l	99
21) 2,2-Dichloropropane	4.657	77	204102	4.586	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	143369	4.734	ug/l	100
23) Diethyl Ether	2.374	59	74092	4.623	ug/l	98
24) tert-Butyl Alcohol	3.190	59	79888m	50.172	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	274071	4.750	ug/l	97
26) Bromochloromethane	4.968	128	59914	4.667	ug/l	98
27) Chloroform	5.084	83	252749	4.661	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	226122	4.652	ug/l	98
29) 1,1-Dichloropropene	5.521	75	184056	4.781	ug/l	99
30) Carbon Tetrachloride	5.521	117	195234	4.601	ug/l	96
31) Isopropyl Ether	3.985	45	334556	4.712	ug/l	95
32) Ethyl-t-butyl ether	4.493	59	320929	4.683	ug/l	99
33) Tert-Amyl methyl ether	5.933	73	278480	4.741	ug/l	97
34) Propionitrile	4.788	54	46970	26.362	ug/l #	14
35) Benzene	5.769	78	558190	4.787	ug/l	99
36) 1,2-Dichloroethane	5.788	62	151763	4.792	ug/l	100
37) Trichloroethene	6.541	130	138787	4.575	ug/l	99
38) 1,2-Dichloropropane	6.788	63	144089	4.731	ug/l	98
39) Methacrylonitrile	4.975	41	33828	5.080	ug/l	96
40) Methyl acrylate	4.846	55	58768	5.342	ug/l	98
41) Tetrahydrofuran	5.058	42	34403	8.996	ug/l	98
42) 1-Chlorobutane	5.454	56	247131	4.815	ug/l	98
43) Dibromomethane	6.914	93	67506	4.664	ug/l	99
44) Bromodichloromethane	7.100	83	177027	4.628	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055795.D
 Acq On : 18 Oct 2023 10:50
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023

Quant Time: Oct 19 02:14:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 02:09:44 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	357621	23.890	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	62435m	12.115	ug/l	
47) Methyl methacrylate	6.955	69	118759	9.946	ug/l	95
48) Ethyl methacrylate	8.332	69	112313	4.955	ug/l	95
49) Toluene	7.965	92	338189	4.900	ug/l	94
50) t-1,3-Dichloropropene	8.206	75	161841	4.781	ug/l	97
51) cis-1,3-Dichloropropene	7.605	75	194847	4.703	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	97637	4.723	ug/l	98
53) 1,3-Dichloropropane	8.573	76	167571	4.743	ug/l	100
54) 2-Hexanone	8.682	43	405637	24.188	ug/l	98
55) Dibromochloromethane	8.804	129	115547	4.630	ug/l	98
56) 1,2-Dibromoethane	8.920	107	89583	4.743	ug/l	100
58) Tetrachloroethene	8.550	164	147016	4.660	ug/l	96
59) Chlorobenzene	9.444	112	358476	4.703	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	126163	4.644	ug/l	99
61) Pentachloroethane	11.422	117	86628	4.712	ug/l	95
62) Hexachloroethane	12.470	117	91182	4.684	ug/l	99
63) Ethyl Benzene	9.566	91	618378	4.781	ug/l	99
64) m/p-Xylenes	9.688	106	494128	9.937	ug/l	100
65) o-Xylene	10.097	106	236809	4.853	ug/l	98
66) Styrene	10.110	104	380938	4.992	ug/l	97
67) Bromoform	10.287	173	64238	4.793	ug/l	99
69) Isopropylbenzene	10.479	105	613474	4.884	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	116082	4.802	ug/l	100
71) 1,2,3-Trichloropropane	10.820	75	94066m	4.842	ug/l	
72) Bromobenzene	10.778	156	144061	4.806	ug/l	98
73) n-propylbenzene	10.901	120	166532	5.146	ug/l	97
74) 2-Chlorotoluene	10.981	126	145628	4.836	ug/l	91
75) 1,3,5-Trimethylbenzene	11.084	105	544513	5.071	ug/l	98
76) 4-Chlorotoluene	11.094	126	151996	4.953	ug/l	92
77) tert-Butylbenzene	11.415	119	487079	4.948	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	545879	5.134	ug/l	99
79) sec-Butylbenzene	11.640	105	634464	5.106	ug/l	100
80) Nitrobenzene	13.209	77	16071	24.036	ug/l #	86
81) p-Isopropyltoluene	11.788	119	500524	5.002	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	298089	4.872	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	295987	4.999	ug/l	98
84) n-Butylbenzene	12.206	91	412181	4.831	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	275779	4.932	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	16738	4.850	ug/l	100
87) 1,2,4-Trichlorobenzene	13.836	180	150715	4.967	ug/l	98
88) Hexachlorobutadiene	14.016	225	97204	4.607	ug/l	99
89) Naphthalene	14.084	128	214331	4.637	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	130255	5.003	ug/l	98

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

