

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055806.D
 Acq On : 18 Oct 2023 18:19
 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 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

Quant Time: Oct 19 03:42:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 03:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	96837	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	36706	0.961	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	35433	1.001	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	357046	9.495	ug/l	99
3) Chloromethane	1.515	50	321100	9.991	ug/l	98
4) Vinyl Chloride	1.602	62	329390	10.000	ug/l	100
5) Bromomethane	1.856	94	183047	10.097	ug/l	99
6) Chloroethane	1.930	64	162758	10.202	ug/l	100
7) Trichlorofluoromethane	2.136	101	428537	9.865	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	275866	9.527	ug/l	95
9) 1,1-Dichloroethene	2.576	96	259065	9.592	ug/l	93
10) Iodomethane	2.718	142	410133	10.190	ug/l	98
11) Allyl Chloride	2.917	41	342767	9.763	ug/l	99
12) Acrylonitrile	3.316	53	106116	20.908	ug/l	97
13) Acetone	2.634	43	443931	41.000	ug/l	99
14) Carbon Disulfide	2.788	76	839435	9.521	ug/l	100
15) Methylene Chloride	3.039	84	311472	9.777	ug/l	94
16) trans-1,2-Dichloroethene	3.348	96	283576	9.906	ug/l	96
17) 1,1-Dichloroethane	3.862	63	518652	9.742	ug/l	100
18) 2-Butanone	4.702	43	502133	43.044	ug/l	96
19) Cyclohexane	5.383	56	464465m	10.227	ug/l	
20) Methylcyclohexane	6.759	83	488566	10.354	ug/l	97
21) 2,2-Dichloropropane	4.660	77	415903	9.277	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	298970	9.799	ug/l	99
23) Diethyl Ether	2.374	59	167493	10.373	ug/l	97
24) tert-Butyl Alcohol	3.245	59	176273m	106.442	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	602900	10.373	ug/l	97
26) Bromochloromethane	4.968	128	125672	9.718	ug/l	98
27) Chloroform	5.081	83	527168	9.650	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	479365	9.790	ug/l	98
29) 1,1-Dichloropropene	5.521	75	387548	9.993	ug/l	100
30) Carbon Tetrachloride	5.521	117	418592	9.793	ug/l	98
31) Isopropyl Ether	3.985	45	741123	10.362	ug/l	94
32) Ethyl-t-butyl ether	4.493	59	715556	10.364	ug/l	98
33) Tert-Amyl methyl ether	5.933	73	601426	10.165	ug/l	97
34) Propionitrile	4.785	54	102835	55.722	ug/l	# 13
35) Benzene	5.769	78	1129567	9.615	ug/l	100
36) 1,2-Dichloroethane	5.788	62	306660	9.612	ug/l	99
37) Trichloroethene	6.537	130	299181	9.789	ug/l	100
38) 1,2-Dichloropropane	6.785	63	307249	10.015	ug/l	100
39) Methacrylonitrile	4.968	41	73896	10.738	ug/l	97
40) Methyl acrylate	4.840	55	128049	8.855	ug/l	98
41) Tetrahydrofuran	5.055	42	74688	19.154	ug/l	94
42) 1-Chlorobutane	5.454	56	527617	10.204	ug/l	99
43) Dibromomethane	6.914	93	143539	9.844	ug/l	98
44) Bromodichloromethane	7.100	83	376796	9.778	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	758699	50.311	ug/l	97
46) t-1,4-Dichloro-2-butene	10.827	75	136745m	22.794	ug/l	
47) Methyl methacrylate	6.955	69	262733	21.842	ug/l	95
48) Ethyl methacrylate	8.328	69	247882	8.935	ug/l	98
49) Toluene	7.965	92	718791	10.338	ug/l	95
50) t-1,3-Dichloropropene	8.206	75	346290	10.155	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	419130	10.043	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	202349	9.716	ug/l	99
53) 1,3-Dichloropropane	8.570	76	352723	9.909	ug/l	99
54) 2-Hexanone	8.682	43	737337	43.644	ug/l	97
55) Dibromochloromethane	8.804	129	244083	9.709	ug/l	98
56) 1,2-Dibromoethane	8.920	107	190818	10.028	ug/l	99
58) Tetrachloroethene	8.550	164	297982	9.376	ug/l	97
59) Chlorobenzene	9.444	112	769334	10.019	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	271167	9.908	ug/l	95
61) Pentachloroethane	11.422	117	172452	9.310	ug/l	91
62) Hexachloroethane	12.470	117	200190	8.822	ug/l	99
63) Ethyl Benzene	9.566	91	1374884	10.551	ug/l	100
64) m/p-Xylenes	9.688	106	1056334	21.087	ug/l	99
65) o-Xylene	10.097	106	483555	9.837	ug/l	96
66) Styrene	10.110	104	792152	10.305	ug/l	97
67) Bromoform	10.287	173	130678	9.678	ug/l	97
69) Isopropylbenzene	10.479	105	1281691	10.128	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	236507	9.711	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	157977m	7.826	ug/l	
72) Bromobenzene	10.778	156	287019	9.505	ug/l	98
73) n-propylbenzene	10.901	120	355487	8.879	ug/l	94
74) 2-Chlorotoluene	10.981	126	301882	9.951	ug/l	95
75) 1,3,5-Trimethylbenzene	11.084	105	1146614	8.839	ug/l	98
76) 4-Chlorotoluene	11.094	126	308494	9.979	ug/l	92
77) tert-Butylbenzene	11.415	119	1042518	8.731	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	1147928	8.808	ug/l	99
79) sec-Butylbenzene	11.640	105	1372056	8.740	ug/l	99
80) Nitrobenzene	13.206	77	37377	44.612	ug/l	96
81) p-Isopropyltoluene	11.788	119	1114119	8.700	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	603478	9.791	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	599525	10.051	ug/l	98
84) n-Butylbenzene	12.206	91	929441	8.535	ug/l	97
85) 1,2-Dichlorobenzene	12.206	146	558374	9.913	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	39002	11.218	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	330285	8.859	ug/l	99
88) Hexachlorobutadiene	14.016	225	208184	9.795	ug/l	100
89) Naphthalene	14.084	128	486392	8.412	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	286454	8.867	ug/l	98

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

