

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
 Data File : VU055808.D
 Acq On : 19 Oct 2023 09:30
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 20 01:36:36 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

Manual Integrations APPROVED

Reviewed By : John Carlone 10/20/2023
 Supervised By : Mahesh Dadoda 10/25/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	85267	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	41668	1.239	ug/l	0.00
Spiked Amount 1.000			Recovery	=	124.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	31723	1.018	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	304419	9.194	ug/l	100
3) Chloromethane	1.518	50	221182	7.816	ug/l	99
4) Vinyl Chloride	1.602	62	225865	7.788	ug/l	99
5) Bromomethane	1.856	94	140662	8.812	ug/l	98
6) Chloroethane	1.930	64	114095	8.122	ug/l	97
7) Trichlorofluoromethane	2.136	101	342597	8.957	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	239807	9.405	ug/l	95
9) 1,1-Dichloroethene	2.579	96	221641	9.320	ug/l	90
10) Iodomethane	2.718	142	355768	10.039	ug/l	98
11) Allyl Chloride	2.920	41	285605	9.238	ug/l	96
12) Acrylonitrile	3.319	53	86367	19.326	ug/l	97
13) Acetone	2.637	43	373733	39.201	ug/l	96
14) Carbon Disulfide	2.792	76	726569	9.359	ug/l	100
15) Methylene Chloride	3.042	84	253054	9.021	ug/l	92
16) trans-1,2-Dichloroethene	3.351	96	244657	9.706	ug/l	93
17) 1,1-Dichloroethane	3.865	63	442381	9.437	ug/l	100
18) 2-Butanone	4.705	43	429344	41.799	ug/l	98
19) Cyclohexane	5.386	56	398235m	9.959	ug/l	
20) Methylcyclohexane	6.759	83	426961	10.276	ug/l	97
21) 2,2-Dichloropropane	4.660	77	376589	9.540	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	261307	9.726	ug/l	99
23) Diethyl Ether	2.374	59	112086	7.884	ug/l	93
24) tert-Butyl Alcohol	3.232	59	131494m	90.176	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	506995	9.907	ug/l	96
26) Bromochloromethane	4.972	128	109933	9.655	ug/l	96
27) Chloroform	5.084	83	458825	9.538	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	420761	9.759	ug/l	97
29) 1,1-Dichloropropene	5.521	75	339191	9.933	ug/l	99
30) Carbon Tetrachloride	5.521	117	367689	9.769	ug/l	100
31) Isopropyl Ether	3.984	45	611906	9.717	ug/l	93
32) Ethyl-t-butyl ether	4.496	59	603434	9.926	ug/l	98
33) Tert-Amyl methyl ether	5.933	73	519433	9.970	ug/l	97
34) Propionitrile	4.785	54	81294	50.027	ug/l #	12
35) Benzene	5.769	78	997088	9.639	ug/l	99
36) 1,2-Dichloroethane	5.791	62	265242	9.442	ug/l	98
37) Trichloroethene	6.541	130	255645	9.499	ug/l	98
38) 1,2-Dichloropropane	6.785	63	254830	9.433	ug/l	99
39) Methacrylonitrile	4.972	41	60444	9.975	ug/l	95
40) Methyl acrylate	4.843	55	93711	7.462	ug/l #	92
41) Tetrahydrofuran	5.055	42	62447	18.188	ug/l	94
42) 1-Chlorobutane	5.454	56	448971	9.862	ug/l	96
43) Dibromomethane	6.917	93	120128	9.356	ug/l	97
44) Bromodichloromethane	7.103	83	326165	9.613	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	604601	45.533	ug/l #	94
46) t-1,4-Dichloro-2-butene	10.827	75	121295m	22.962	ug/l	
47) Methyl methacrylate	6.955	69	217960	20.579	ug/l	92
48) Ethyl methacrylate	8.328	69	206240	8.471	ug/l	92
49) Toluene	7.965	92	617488	10.087	ug/l	95
50) t-1,3-Dichloropropene	8.206	75	295029	9.826	ug/l	98
51) cis-1,3-Dichloropropene	7.605	75	358512	9.756	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	170733	9.310	ug/l	98
53) 1,3-Dichloropropane	8.573	76	296204	9.451	ug/l	99
54) 2-Hexanone	8.682	43	603419	40.563	ug/l	95
55) Dibromochloromethane	8.807	129	212854	9.616	ug/l	100
56) 1,2-Dibromoethane	8.920	107	159197	9.501	ug/l	99
58) Tetrachloroethene	8.550	164	260141	9.296	ug/l	98
59) Chlorobenzene	9.444	112	655370	9.693	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	231161	9.593	ug/l	98
61) Pentachloroethane	11.421	117	162223	9.947	ug/l	91
62) Hexachloroethane	12.470	117	183549	9.138	ug/l	99
63) Ethyl Benzene	9.566	91	1181824	10.300	ug/l	100
64) m/p-Xylenes	9.692	106	919043	20.836	ug/l	99
65) o-Xylene	10.097	106	439845	10.162	ug/l	97
66) Styrene	10.110	104	713407	10.540	ug/l	97
67) Bromoform	10.286	173	117145	9.853	ug/l	99
69) Isopropylbenzene	10.479	105	1157811	10.391	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	201122	9.379	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	154629m	8.699	ug/l	
72) Bromobenzene	10.778	156	256994	9.666	ug/l	100
73) n-propylbenzene	10.901	120	311529	8.839	ug/l	99
74) 2-Chlorotoluene	10.981	126	268973	10.070	ug/l	95
75) 1,3,5-Trimethylbenzene	11.084	105	1049531	9.171	ug/l	98
76) 4-Chlorotoluene	11.093	126	280146	10.291	ug/l	91
77) tert-Butylbenzene	11.415	119	932243	8.859	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	1029735	8.965	ug/l	99
79) sec-Butylbenzene	11.640	105	1213344	8.776	ug/l	100
80) Nitrobenzene	13.206	77	28454	38.979	ug/l	98
81) p-Isopropyltoluene	11.791	119	984191	8.727	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	536140	9.879	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	532111	10.131	ug/l	98
84) n-Butylbenzene	12.206	91	789232	8.251	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	494364	9.968	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	31559	10.309	ug/l	100
87) 1,2,4-Trichlorobenzene	13.836	180	284282	8.670	ug/l	98
88) Hexachlorobutadiene	14.016	225	198737	10.620	ug/l	99
89) Naphthalene	14.084	128	423394	8.324	ug/l	100
90) 1,2,3-Trichlorobenzene	14.325	180	257134	9.030	ug/l	97

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

