

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
 Data File : VU054849.D
 Acq On : 24 Jul 2023 09:58
 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 : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 25 02:12:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Jul 24 09:59:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	29462	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10115	1.137	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9922	0.963	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	59673	10.179	ug/l	98
3) Chloromethane	1.518	50	64640	9.495	ug/l	96
4) Vinyl Chloride	1.602	62	87111	9.967	ug/l	98
5) Bromomethane	1.856	94	64737	10.437	ug/l	100
6) Chloroethane	1.933	64	88358	10.699	ug/l	99
7) Trichlorofluoromethane	2.136	101	211080	9.966	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	63435	10.453	ug/l	98
9) 1,1-Dichloroethene	2.576	96	53226	10.502	ug/l	99
10) Iodomethane	2.717	142	83016	10.169	ug/l	100
11) Allyl Chloride	2.920	41	63021	10.600	ug/l	98
12) Acrylonitrile	3.322	53	26328	21.351	ug/l	99
13) Acetone	2.644	43	59432	56.219	ug/l	97
14) Carbon Disulfide	2.788	76	87663	10.260	ug/l	98
15) Methylene Chloride	3.042	84	65363	8.795	ug/l	95
16) trans-1,2-Dichloroethene	3.348	96	56655	10.059	ug/l	96
17) 1,1-Dichloroethane	3.865	63	126071	10.578	ug/l	98
18) 2-Butanone	4.714	43	91977	59.476	ug/l	93
19) Cyclohexane	5.383	56	71022	10.293	ug/l	88
20) Methylcyclohexane	6.759	83	99620	10.870	ug/l	97
21) 2,2-Dichloropropane	4.663	77	114354	11.001	ug/l	97
22) cis-1,2-Dichloroethene	4.663	96	74434	10.437	ug/l	96
23) Diethyl Ether	2.373	59	74855	9.613	ug/l	99
24) tert-Butyl Alcohol	3.238	59	63664m	94.906	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	167598	10.837	ug/l	96
26) Bromochloromethane	4.971	128	30881	11.361	ug/l	98
27) Chloroform	5.084	83	138724	10.592	ug/l	97
28) 1,1,1-Trichloroethane	5.312	97	119605	10.867	ug/l	99
29) 1,1-Dichloropropene	5.524	75	86874	11.098	ug/l	98
30) Carbon Tetrachloride	5.521	117	103172	11.279	ug/l	95
31) Isopropyl Ether	3.988	45	189778	10.760	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	191361	10.559	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	177660	10.416	ug/l	99
34) Propionitrile	4.791	54	27844	60.188	ug/l #	86
35) Benzene	5.769	78	272479	10.711	ug/l	98
36) 1,2-Dichloroethane	5.791	62	78162	10.695	ug/l #	86
37) Trichloroethene	6.540	130	75074	10.920	ug/l	99
38) 1,2-Dichloropropane	6.788	63	76802	10.458	ug/l	100
39) Methacrylonitrile	4.971	41	20021	12.158	ug/l	91
40) Methyl acrylate	4.846	55	30508	10.855	ug/l #	91
41) Tetrahydrofuran	5.061	42	20924	21.499	ug/l #	85
42) 1-Chlorobutane	5.454	56	114281	10.792	ug/l	98
43) Dibromomethane	6.917	93	38051	11.138	ug/l	100
44) Bromodichloromethane	7.103	83	103968	11.108	ug/l #	99

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45) 4-Methyl-2-Pentanone	7.788	43	218937	54.151	ug/l	99
46) t-1,4-Dichloro-2-butene	10.836	75	42496m	25.106	ug/l	
47) Methyl methacrylate	6.955	69	71943	22.417	ug/l	98
48) Ethyl methacrylate	8.331	69	71602	10.982	ug/l	98
49) Toluene	7.965	92	175864	10.834	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	96655	11.650	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	116994	11.598	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	56605	10.982	ug/l	97
53) 1,3-Dichloropropane	8.573	76	94025	10.824	ug/l	98
54) 2-Hexanone	8.682	43	156562	55.544	ug/l	99
55) Dibromochloromethane	8.807	129	69518	11.288	ug/l	97
56) 1,2-Dibromoethane	8.920	107	50455	11.192	ug/l	99
58) Tetrachloroethene	8.550	164	61625	10.286	ug/l	96
59) Chlorobenzene	9.444	112	208558	10.779	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.531	131	75822	11.100	ug/l	97
61) Pentachloroethane	11.425	117	61608	11.457	ug/l	99
62) Hexachloroethane	12.473	117	67563	12.232	ug/l	98
63) Ethyl Benzene	9.566	91	360216	10.921	ug/l	97
64) m/p-Xylenes	9.691	106	271862	21.800	ug/l	98
65) o-Xylene	10.097	106	137834	10.973	ug/l	98
66) Styrene	10.110	104	225282	11.163	ug/l	99
67) Bromoform	10.286	173	39086	11.779	ug/l	99
69) Isopropylbenzene	10.479	105	371294	10.894	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	74527	11.596	ug/l	96
71) 1,2,3-Trichloropropane	10.826	75	41724m	9.211	ug/l	
72) Bromobenzene	10.778	156	81541	10.371	ug/l	97
73) n-propylbenzene	10.904	120	100683	10.996	ug/l	99
74) 2-Chlorotoluene	10.984	126	85325	10.701	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	305777	11.013	ug/l	100
76) 4-Chlorotoluene	11.093	126	91162	11.122	ug/l	100
77) tert-Butylbenzene	11.418	119	313320	10.958	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	311817	11.168	ug/l	100
79) sec-Butylbenzene	11.640	105	413087	11.134	ug/l	99
80) Nitrobenzene	13.206	77	14049	59.399	ug/l	96
81) p-Isopropyltoluene	11.788	119	336381	11.131	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	169981	10.799	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	170005	10.769	ug/l	99
84) n-Butylbenzene	12.206	91	318070	11.440	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	161016	10.741	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.990	75	10912	10.560	ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	106220	11.051	ug/l	99
88) Hexachlorobutadiene	14.019	225	56302	10.966	ug/l	99
89) Naphthalene	14.084	128	160810	10.345	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	90170	10.855	ug/l	99

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

