

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055239.D
 Acq On : 11 Sep 2023 16:52
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 09:01:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Sep 12 08:56:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	57433	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	21643	0.971	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	22952	1.056	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	196583	9.890	ug/l	100
3) Chloromethane	1.515	50	196137	9.433	ug/l	98
4) Vinyl Chloride	1.599	62	203560	9.349	ug/l	100
5) Bromomethane	1.846	94	157602	9.174	ug/l	98
6) Chloroethane	1.927	64	139295	10.103	ug/l	99
7) Trichlorofluoromethane	2.132	101	305875	10.114	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	149650	9.769	ug/l	98
9) 1,1-Dichloroethene	2.576	96	137465	9.809	ug/l	97
10) Iodomethane	2.718	142	208419	11.590	ug/l	96
11) Allyl Chloride	2.917	41	175709	10.029	ug/l	# 82
12) Acrylonitrile	3.312	53	58739	22.053	ug/l	94
13) Acetone	2.624	43	185987	40.282	ug/l	95
14) Carbon Disulfide	2.788	76	441051	9.712	ug/l	100
15) Methylene Chloride	3.039	84	166119	9.903	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	157076	9.403	ug/l	98
17) 1,1-Dichloroethane	3.865	63	302520	9.509	ug/l	100
18) 2-Butanone	4.698	43	245436	46.612	ug/l	98
19) Cyclohexane	5.386	56	241071	10.261	ug/l	87
20) Methylcyclohexane	6.759	83	306493	10.495	ug/l	95
21) 2,2-Dichloropropane	4.660	77	240588	9.390	ug/l	100
22) cis-1,2-Dichloroethene	4.660	96	177712	8.316	ug/l	99
23) Diethyl Ether	2.374	59	124827	10.930	ug/l	96
24) tert-Butyl Alcohol	3.348	59	10047	11.323	ug/l	# 1
25) Methyl tert-Butyl Ether	3.357	73	339806	10.519	ug/l	100
26) Bromochloromethane	4.972	128	73269	9.418	ug/l	99
27) Chloroform	5.084	83	316513	9.407	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	278512	9.620	ug/l	99
29) 1,1-Dichloropropene	5.525	75	243743	10.145	ug/l	98
30) Carbon Tetrachloride	5.521	117	242034	9.619	ug/l	98
31) Isopropyl Ether	3.988	45	410176	9.816	ug/l	100
32) Ethyl-t-butyl ether	4.499	59	407054	10.078	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	396704	11.152	ug/l	98
34) Propionitrile	4.772	54	54444	57.134	ug/l	# 18
35) Benzene	5.772	78	731931	10.312	ug/l	100
36) 1,2-Dichloroethane	5.791	62	211726	10.689	ug/l	99
37) Trichloroethene	6.541	130	196932	9.496	ug/l	97
38) 1,2-Dichloropropane	6.788	63	191319	10.273	ug/l	98
39) Methacrylonitrile	4.968	41	41575	10.941	ug/l	93
40) Methyl acrylate	4.843	55	73818	11.996	ug/l	99
41) Tetrahydrofuran	5.055	42	43216	20.501	ug/l	94
42) 1-Chlorobutane	5.454	56	326967	10.552	ug/l	100
43) Dibromomethane	6.917	93	92463	10.500	ug/l	98
44) Bromodichloromethane	7.103	83	237098	10.395	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	474412	56.795	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	67716m	21.696	ug/l	
47) Methyl methacrylate	6.959	69	158761	23.462	ug/l	98
48) Ethyl methacrylate	8.332	69	152861	11.632	ug/l	98
49) Toluene	7.968	92	462601	10.746	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	210266	10.958	ug/l	98
51) cis-1,3-Dichloropropene	7.605	75	260682	10.824	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	129886	10.451	ug/l	98
53) 1,3-Dichloropropane	8.573	76	229579	10.897	ug/l	100
54) 2-Hexanone	8.682	43	401108	50.120	ug/l	99
55) Dibromochloromethane	8.807	129	147388	10.524	ug/l	97
56) 1,2-Dibromoethane	8.920	107	121287	10.728	ug/l	98
58) Tetrachloroethene	8.550	164	220319	9.831	ug/l	96
59) Chlorobenzene	9.444	112	500778	10.383	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	167493	10.489	ug/l	97
61) Pentachloroethane	11.421	117	72489	9.740	ug/l	92
62) Hexachloroethane	12.473	117	133133	10.907	ug/l	93
63) Ethyl Benzene	9.569	91	889917	10.917	ug/l	98
64) m/p-Xylenes	9.692	106	702011	22.224	ug/l	98
65) o-Xylene	10.100	106	334521	10.922	ug/l	100
66) Styrene	10.113	104	554940	11.599	ug/l	98
67) Bromoform	10.290	173	79268	11.188	ug/l	97
69) Isopropylbenzene	10.483	105	880533	10.991	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.782	83	137374	10.882	ug/l	99
71) 1,2,3-Trichloropropane	10.823	75	96442m	8.545	ug/l	
72) Bromobenzene	10.782	156	195955	10.645	ug/l	98
73) n-propylbenzene	10.904	120	244735	11.253	ug/l	96
74) 2-Chlorotoluene	10.984	126	208845	10.755	ug/l	99
75) 1,3,5-Trimethylbenzene	11.087	105	782615	11.360	ug/l	100
76) 4-Chlorotoluene	11.097	126	218947	10.981	ug/l	100
77) tert-Butylbenzene	11.418	119	670743	11.010	ug/l	96
78) 1,2,4-Trimethylbenzene	11.466	105	803152	11.504	ug/l	99
79) sec-Butylbenzene	11.640	105	1001727	11.295	ug/l	98
80) Nitrobenzene	13.206	77	16218	53.713	ug/l #	96
81) p-Isopropyltoluene	11.791	119	823212	11.493	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	414903	10.503	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	421281	10.887	ug/l	100
84) n-Butylbenzene	12.206	91	730635	11.226	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	387427	10.695	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	23543	11.276	ug/l	99
87) 1,2,4-Trichlorobenzene	13.839	180	227580	10.891	ug/l	99
88) Hexachlorobutadiene	14.019	225	130226	9.747	ug/l	99
89) Naphthalene	14.084	128	359897	12.064	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	201756	11.137	ug/l	98

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

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