

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055230.D
 Acq On : 11 Sep 2023 11:28
 Operator : MD/SY
 Sample : VSTDICC020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 11 11:48:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 11:40:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.113	96	64751	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	25547	1.093	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	27125	1.156	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	416911	17.812	ug/l	99
3) Chloromethane	1.515	50	422964	17.736	ug/l	99
4) Vinyl Chloride	1.602	62	461027	18.296	ug/l	100
5) Bromomethane	1.849	94	312003	14.621	ug/l	97
6) Chloroethane	1.927	64	287566	17.853	ug/l	99
7) Trichlorofluoromethane	2.136	101	629387	16.681	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	321097	17.170	ug/l	96
9) 1,1-Dichloroethene	2.576	96	299153	17.485	ug/l	95
10) Iodomethane	2.718	142	480471	27.695	ug/l	96
11) Allyl Chloride	2.920	41	411370	21.304	ug/l	89
12) Acrylonitrile	3.309	53	120931	36.392	ug/l	97
13) Acetone	2.621	43	406247	62.330	ug/l	96
14) Carbon Disulfide	2.788	76	978405	18.656	ug/l	100
15) Methylene Chloride	3.039	84	364615	9.029	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	379326	21.462	ug/l	94
17) 1,1-Dichloroethane	3.865	63	678732	21.041	ug/l	99
18) 2-Butanone	4.695	43	547554	82.546	ug/l	99
19) Cyclohexane	5.386	56	537910	20.251	ug/l	84
20) Methylcyclohexane	6.762	83	699401	21.077	ug/l	93
21) 2,2-Dichloropropane	4.660	77	556826	20.163	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	413037	21.502	ug/l	98
23) Diethyl Ether	2.373	59	242760	17.880	ug/l	96
24) tert-Butyl Alcohol	3.174	59	197911m	160.352	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	760248	20.050	ug/l	98
26) Bromochloromethane	4.968	128	168950	21.831	ug/l	96
27) Chloroform	5.084	83	697624	20.833	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	633493	21.943	ug/l	98
29) 1,1-Dichloropropene	5.524	75	539484	21.595	ug/l	100
30) Carbon Tetrachloride	5.521	117	554977	24.153	ug/l	99
31) Isopropyl Ether	3.988	45	950192	21.410	ug/l	96
32) Ethyl-t-butyl ether	4.496	59	935722	20.526	ug/l	97
33) Tert-Amyl methyl ether	5.936	73	831994	20.525	ug/l	97
34) Propionitrile	4.766	54	111631	99.830	ug/l	# 15
35) Benzene	5.772	78	1550286	21.214	ug/l	100
36) 1,2-Dichloroethane	5.791	62	410833	19.570	ug/l	100
37) Trichloroethene	6.541	130	432722	23.544	ug/l	98
38) 1,2-Dichloropropane	6.788	63	401664	21.450	ug/l	98
39) Methacrylonitrile	4.968	41	88828	19.463	ug/l	93
40) Methyl acrylate	4.840	55	155813	18.829	ug/l	96
41) Tetrahydrofuran	5.049	42	88564	37.165	ug/l	92
42) 1-Chlorobutane	5.454	56	712618	21.446	ug/l	97
43) Dibromomethane	6.917	93	187371	21.003	ug/l	99
44) Bromodichloromethane	7.103	83	507813	22.764	ug/l	99

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45) 4-Methyl-2-Pentanone	7.788	43	932654	100.787	ug/l	97
46) t-1,4-Dichloro-2-butene	10.836	75	133277m	26.271	ug/l	
47) Methyl methacrylate	6.959	69	329454	40.167	ug/l	97
48) Ethyl methacrylate	8.331	69	329022	20.684	ug/l	96
49) Toluene	7.968	92	996374	22.245	ug/l	97
50) t-1,3-Dichloropropene	8.209	75	460061	22.265	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	562929	21.998	ug/l	100
52) 1,1,2-Trichloroethane	8.399	97	268157	20.730	ug/l	98
53) 1,3-Dichloropropane	8.573	76	459939	20.612	ug/l	99
54) 2-Hexanone	8.682	43	828759	85.363	ug/l	98
55) Dibromochloromethane	8.807	129	326339	24.782	ug/l	99
56) 1,2-Dibromoethane	8.923	107	251391	21.093	ug/l	99
58) Tetrachloroethene	8.553	164	496022	28.859	ug/l	97
59) Chlorobenzene	9.444	112	1093703	22.178	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	364432	24.314	ug/l	98
61) Pentachloroethane	11.425	117	161968	15.380	ug/l	93
62) Hexachloroethane	12.473	117	322756	26.646	ug/l	99
63) Ethyl Benzene	9.569	91	1978848	22.881	ug/l	99
64) m/p-Xylenes	9.692	106	1538929	46.542	ug/l	97
65) o-Xylene	10.100	106	747754	23.108	ug/l	98
66) Styrene	10.113	104	1205887	24.239	ug/l	99
67) Bromoform	10.290	173	174550	28.165	ug/l	99
69) Isopropylbenzene	10.483	105	1970575	23.257	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.782	83	276661	17.767	ug/l	98
71) 1,2,3-Trichloropropane	10.823	75	252357m	21.463	ug/l	
72) Bromobenzene	10.782	156	437819	24.665	ug/l	95
73) n-propylbenzene	10.904	120	553178	24.713	ug/l	93
74) 2-Chlorotoluene	10.984	126	461501	23.847	ug/l	98
75) 1,3,5-Trimethylbenzene	11.087	105	1737928	24.426	ug/l	99
76) 4-Chlorotoluene	11.097	126	487431	24.256	ug/l	100
77) tert-Butylbenzene	11.418	119	1524092	23.110	ug/l	96
78) 1,2,4-Trimethylbenzene	11.466	105	1806132	24.925	ug/l	99
79) sec-Butylbenzene	11.643	105	2272293	23.922	ug/l	98
80) Nitrobenzene	13.206	77	39849	101.855	ug/l #	93
81) p-Isopropyltoluene	11.791	119	1909891	25.596	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	940518	24.861	ug/l	100
83) 1,4-Dichlorobenzene	11.833	146	935425	24.435	ug/l	99
84) n-Butylbenzene	12.206	91	1844205	25.016	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	862000	24.046	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	52454	22.179	ug/l	95
87) 1,2,4-Trichlorobenzene	13.839	180	580499	27.763	ug/l	99
88) Hexachlorobutadiene	14.019	225	340507	34.050	ug/l	99
89) Naphthalene	14.084	128	902493	21.453	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	492746	27.353	ug/l	99

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

