

Table A1: Quabbin and Wachusett Reservoir - *Giardia* and *Cryptosporidium* Results

Location*	Sample Date	Volume Filtered (L)	<i>Crypto</i> Concentration (Oocysts/L)	<i>Giardia</i> Concentration (Cysts/L)	Comments or Morphological Characteristics
Brutsch Water Treatment Facility	12-Jan-21	50.00	ND	ND	
	26-Jan-21	50.00	ND	ND	
	9-Feb-21	50.08	ND	ND	
	23-Feb-21	50.00	ND	ND	
	9-Mar-21	50.04	ND	ND	
	23-Mar-21	50.00	ND	ND	
	6-Apr-21	50.02	ND	ND	
	20-Apr-21	50.08	ND	ND	
	4-May-21	50.04	ND	ND	
	18-May-21	50.00	ND	ND	
	1-Jun-21	50.00	ND	ND	
	15-Jun-21	50.02	ND	ND	
	29-Jun-21	50.04	ND	ND	
	13-Jul-21	50.06	ND	ND	
	27-Jul-21	50.02	ND	ND	
	10-Aug-21	50.02	ND	ND	
	24-Aug-21	50.02	ND	ND	
	7-Sep-21	50.00	ND	ND	
	21-Sep-21	50.03	ND	ND	
	5-Oct-21	50.00	ND	ND	
	19-Oct-21	50.02	ND	ND	
	2-Nov-21	50.02	ND	ND	
	16-Nov-21	50.08	ND	ND	
	30-Nov-21	50.02	ND	ND	
14-Dec-21	50.02	ND	ND		
28-Dec-21	50.04	ND	0.02	<i>Giardia</i> cysts: 1 counted.	

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Location*	Sample Date	Volume Filtered (L)	Crypto Concentration (Oocysts/L)	Giardia Concentration (Cysts/L)	Comments or Morphological Characteristics
Carroll Water Treatment Plant	5-Jan-2021	50.05	0.00	0.02	Giardia cysts: 1 amorphous structure, 1 total.
	12-Jan-2021	50.04	0.00	0.00	
	19-Jan-2021	50.00	0.00	0.06	Giardia cysts: 1 empty, 1 amorphous structure, 1 internal structure; total = 3.
	26-Jan-2021	50.04	0.00	0.00	
	2-Feb-2021	50.00	0.00	0.00	
	9-Feb-2021	50.01	0.00	0.00	
	23-Feb-2021	50.00	0.00	0.02	Giardia cysts: 1 empty, 1 total.
	2-Mar-2021	50.01	0.00	0.08	Giardia cysts: 3 empty, 1 amorphous structure, 4 total.
	9-Mar-2021	50.00	0.00	0.00	
	16-Mar-2021	50.02	0.00	0.00	
	23-Mar-2021	50.00	0.00	0.00	
	30-Mar-2021	49.45	0.00	0.02	Giardia cysts: 1 Amorphous, 1 total structure.
	6-Apr-2021	50.01	0.00	0.04	Giardia cysts: 2 empty. 2 total.
	13-Apr-2021	50.00	0.00	0.08	Giardia cysts: 2 empty, 1 amorphous structure, 1 internal structure, 4 total.
	20-Apr-2021	50.00	0.00	0.02	Giardia cysts: 1 One Internal Structure, 1 total.
	27-Apr-2021	50.02	0.00	0.00	
	4-May-2021	50.04	0.00	0.00	
	11-May-2021	50.00	0.00	0.04	Giardia cysts: 2 counted.
	18-May-2021	50.04	0.00	0.00	
	25-May-2021	50.00	0.00	0.02	Giardia cysts: 1 counted.
	1-Jun-2021	50.00	0.00	0.00	
	8-Jun-2021	50.02	0.00	0.00	
	15-Jun-2021	50.00	0.00	0.00	
	22-Jun-2021	50.04	0.00	0.00	
	29-Jun-2021	49.94	0.00	0.00	
	6-Jul-2021	50.02	0.00	0.00	
	13-Jul-2021	50.01	0.00	0.00	
	20-Jul-2021	50.02	0.00	0.00	
	27-Jul-2021	50.04	0.00	0.00	
	3-Aug-2021	50.02	0.00	0.00	
	10-Aug-2021	50.07	0.00	0.00	
	17-Aug-2021	50.02	0.00	0.02	Giardia cysts: 1 counted.
	24-Aug-2021	50.00	0.00	0.00	
	31-Aug-2021	50.01	0.00	0.00	
7-Sep-2021	50.00	0.00	0.00		
14-Sep-2021	50.10	0.00	0.00		
21-Sep-2021	50.00	0.00	0.00		
28-Sep-2021	49.99	0.00	0.00		
5-Oct-2021	50.00	0.00	0.02	Giardia: Number of cysts detected: 1	
12-Oct-2021	49.98	0.02	0.02	1 Crypto oocsts counted and 1 Giardia cyst counted.	
19-Oct-2021	49.99	0.00	0.00		

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Location*	Sample Date	Volume Filtered (L)	Crypto Concentration (Oocysts/L)	Giardia Concentration (Cysts/L)	Comments or Morphological Characteristics
Carroll Water Treatment Plant	26-Oct-2021	50.02	0.02	0.00	Crypto oocysts: 1 counted
	2-Nov-2021	50.00	0.00	0.00	
	9-Nov-2021	50.00	0.00	0.02	1 Giardia cyst counted.
	16-Nov-2021	50.00	0.02	0.00	Crypto: number of oocysts counted: 1
	23-Nov-2021	50.06	0.00	0.00	
	30-Nov-2021	50.06	0.00	0.00	
	7-Dec-2021	50.00	0.00	0.00	
	14-Dec-2021	50.00	0.00	0.00	
	21-Dec-2021	50.00	0.04	0.00	Giardia: 2 counted.
	28-Dec-2021	50.00	0.00	0.00	

Reported concentrations are in **oocysts/L for Cryptosporidium** and **cysts/L for Giardia**.

Testing Lab: **Analytical Services Inc**

ND = Below Detection Limit if <0.02 **Oocysts/L** or <0.02 **Cysts/L**

EPA Method 1623.1