

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

Location*	Sample Date	Volume Filtered (L)	Crypto Concentration (Oocysts/L)	Giardia Concentration (Cysts/L)	Comments or Morphological Characteristics
Brutsch Water Treatment Facility	3-Jan-2017	50.00	ND	ND	
	17-Jan-2017	52.00	ND	ND	
	31-Jan-2017	53.00	ND	ND	
	14-Feb-2017	50.00	ND	ND	
	28-Feb-2017	53.74	ND	ND	
	13-Mar-2017	53.30	ND	ND	
	28-Mar-2017	55.24	ND	ND	
	11-Apr-2017	50.00	ND	ND	
	25-Apr-2017	50.00	ND	ND	
	9-May-2017	50.00	ND	ND	
	23-May-2017	50.08	ND	ND	
	6-Jun-2017	51.00	ND	ND	
	20-Jun-2017	50.28	ND	ND	
	5-Jul-2017	53.72	ND	ND	
	18-Jul-2017	52.00	ND	ND	
	1-Aug-2017	50.50	ND	ND	
	15-Aug-2017	50.06	ND	ND	
	29-Aug-2017	50.92	ND	ND	
	12-Sep-2017	50.22	ND	ND	
	26-Sep-2017	50.10	ND	ND	
	10-Oct-2017	50.04	ND	ND	
	24-Oct-2017	50.06	ND	ND	
	7-Nov-2017	50.00	ND	ND	
	20-Nov-2017	50.02	ND	ND	
	5-Dec-2017	58.28	ND	ND	
	19-Dec-2017	50.14	ND	ND	
	2-Jan-2018	50.08	ND	ND	
	16-Jan-2018	50.08	ND	ND	
	30-Jan-2018	50.00	ND	ND	
	13-Feb-2018	50.00	ND	ND	
27-Feb-2018	49.88	ND	ND		
12-Mar-2018	50.09	ND	ND		
27-Mar-2018	50.03	ND	ND		

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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	3-Jan-2017	54.00	ND	ND	
	10-Jan-2017	50.00	ND	ND	
	17-Jan-2017	50.00	ND	ND	
	24-Jan-2017	50.10	ND	ND	
	31-Jan-2017	50.00	ND	0.02	Giardia cyst: 1 amorphous structure
	7-Feb-2017	52.64		0.11	Giardia cysts: 1 empty and 5 amorphous structures, 6 total
	14-Feb-2017	51.26	ND	0.04	Giardia cysts: amorphous structure =2
	21-Feb-2017	51.88	ND	ND	
	28-Feb-2017	50.00	ND	ND	
	7-Mar-2017	50.00	ND	0.02	Giardia cysts: Empty = 1, total = 1
	13-Mar-2017	40.07	ND	0.02	Giardia cyst: 1 amorphous structure
	21-Mar-2017	52.96	ND	0.06	Giardia cysts: 3 amorphous
	28-Mar-2017	50.04	ND	ND	
	4-Apr-2017	52.00	ND	ND	
	11-Apr-2017	50.25	ND	ND	
	18-Apr-2017	53.04	ND	0.02	Giardia cyst: 1 amorphous structure
	25-Apr-2017	50.00	ND	ND	
	2-May-2017	50.00	ND	0.04	Giardia cysts: 2 amorphous structure
	9-May-2017	50.12	ND	0.02	Giardia cyst: 1 amorphous structure
	16-May-2017	50.10	ND	ND	
	23-May-2017	50.06	ND	ND	
	30-May-2017	53.50	ND	ND	
	6-Jun-2017	50.00	ND	ND	
	13-Jun-2017	50.03	ND	ND	
	20-Jun-2017	50.00	ND	ND	
	27-Jun-2017	50.20	ND	ND	
	5-Jul-2017	50.00	ND	ND	
	10-Jul-2017	51.06	ND	ND	
	18-Jul-2017	50.00	ND	ND	
	25-Jul-2017	52.12	ND	ND	
	1-Aug-2017	50.00	ND	ND	
	8-Aug-2017	50.84	ND	ND	
	15-Aug-2017	59.11	ND	ND	
22-Aug-2017	50.06	ND	0.02	Giardia cyst: 1 amorphous structure	
29-Aug-2017	50.06	ND	ND		
5-Sep-2017	50.12	ND	ND		

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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	12-Sep-2017	50.00	ND	ND	
	19-Sep-2017	50.08	ND	ND	
	26-Sep-2017	50.00	ND	ND	
	3-Oct-2017	50.09	ND	ND	
	10-Oct-2017	50.00	ND	ND	
	17-Oct-2017	50.00	ND	ND	
	24-Oct-2017	50.05	ND	ND	
	31-Oct-2017	50.00	ND	ND	
	7-Nov-2017	50.11	ND	ND	
	14-Nov-2017	50.07	ND	ND	
	20-Nov-2017	50.60	ND	ND	
	28-Nov-2017	50.04	ND	ND	
	5-Dec-2017	50.00	ND	ND	
	12-Dec-2017	50.00	ND	ND	
	19-Dec-2017	50.03	ND	ND	
	26-Dec-2017	50.00	ND	0.02	Giardia cyst: 1 amorphous structure
	2-Jan-2018	49.94	ND	ND	
	9-Jan-2018	50.08	ND	ND	
	16-Jan-2018	50.06	ND	ND	
	23-Jan-2018	50.04	ND	0.02	Giardia cyst: 1 amorphous structure
	30-Jan-2018	50.04	ND	0.02	Giardia cyst: 1 amorphous structure
	6-Feb-2018	50.08	ND	ND	
	13-Feb-2018	50.08	ND	0.06	Giardia cysts: 3 amorphous
	20-Feb-2018	50.00	ND	0.04	Giardia cysts: 2 amorphous structure
	27-Feb-2018	50.00	ND	0.14	Giardia cysts: 2 empty, 4 amorphous structure, 1 one internal structure, 7 total
	6-Mar-2018	50.04	ND	0.02	Giardia cyst: 1 amorphous structure
	12-Mar-2018	50.05	ND	0.02	Giardia cyst: 1 amorphous structure
20-Mar-2018	50.04	ND	ND		
27-Mar-2018	50.04	ND	ND		

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