

Table A1a: Quabbin and Wachusett Reservoir - *Giardia* and *Cryptosporidium* Results

Method: USEPA Method 1623.1

Location	SAMPLE Date	Crypto Concentration (Oocysts/100L)	# Recovered	# Empty Oocysts	# with Amorphous Structure	# with 1 internal Structure	GIARDIA Concentration (cysts/100L)	# Recovered	# Empty cysts	# with Amorphous Structure	# with >= 1 internal Structures	Testing Lab
CWTP Inlet	25-Oct-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
CWTP Inlet	1-Nov-16	ND					ND					
CWTP Inlet	8-Nov-16	ND					ND					
CWTP Inlet	15-Nov-16	ND					ND					
CWTP Inlet	21-Nov-16	ND					ND					
CWTP Inlet	29-Nov-16	ND					ND					
CWTP Inlet	6-Dec-16	ND					ND					
CWTP Inlet	13-Dec-16	ND					ND					
CWTP Inlet	20-Dec-16	ND					ND					
CWTP Inlet	27-Dec-16	ND					ND					

Table A1a: Quabbin and Wachusett Reservoir - Giardia and Cryptosporidium Results

Method: USEPA Method 1623.1

Location	SAMPLE Date	Crypto Concentration (Oocysts/100L)	# Recovered	# Empty Oocysts	# with Amorphous Structure	# with 1 internal Structure	GIARDIA Concentration (cysts/100L)	# Recovered	# Empty cysts	# with Amorphous Structure	# with >= 1 internal Structures	Testing Lab
WDF	5-Jan-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	19-Jan-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	2-Feb-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	16-Feb-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	1-Mar-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	15-Mar-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	29-Mar-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	12-Apr-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	26-Apr-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	10-May-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	24-May-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	matrix spike
WDF	7-Jun-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	C 38%, G 49%
WDF	21-Jun-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	5-Jul-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	19-Jul-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	2-Aug-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	16-Aug-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	30-Aug-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	13-Sep-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	27-Sep-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	11-Oct-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	25-Oct-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
WDF	8-Nov-16	ND					ND					
WDF	21-Nov-16	ND					ND					
WDF	6-Dec-16	ND					ND					
WDF	20-Dec-16	ND					ND					

Table A1a: Quabbin and Wachusett Reservoir - *Giardia* and *Cryptosporidium* Results

Method: USEPA Method 1623.1

Location	SAMPLE Date	Crypto Concentration (Oocysts/100L)	# Recovered	# Empty Oocysts	# with Amorphous Structure	# with 1 Internal Structure	GIARDIA Concentration (cysts/100L)	# Recovered	# Empty cysts	# with Amorphous Structure	# with >= 1 Internal Structures	Testing Lab
----------	-------------	-------------------------------------	-------------	-----------------	----------------------------	-----------------------------	------------------------------------	-------------	---------------	----------------------------	---------------------------------	-------------

Reported concentration are in oocysts/100L for *Cryptosporidium* and cysts/100L for *Giardia*.

Other results are reported as oocysts/50L for *Cryptosporidium* and cysts/50L for *Giardia*.

Testing Lab: **Analytical Services Inc.** since April 17, 2012

EPA Method 1623.1 initiated September 2014.

*The Wachusett *Giardia*/*Crypto* sample location was changed from Cosgrove to CWTP Inlet on 04/01/08. The CWTP Inlet is a sampling location that represents the source water and is immediately prior to water treatment.

The Quabbin *Giardia*/*Crypto* sample location was changed from WPS to WDF on 2/06/07 due to valve repair work being performed at WPS. The work was completed on 8/15/07. The sampling will continue to be performed at WDF because it is (1) an easier sampling location and (2) a better sampling tap.

Old WPS= Winsor Power Station

WDF = Ware Disinfection Facility

BWTF = Brutsch Water Treatment Facility