



11/08/2023

Baltimore, City of
Deneen Gordon
Laboratory Technical Administrator
Ashburton Filtration Plant
3001 Druid Park Drive
Baltimore, MD 21215

Subject: Finished Reservoirs/ASI #71645

Dear: Deneen Gordon, Technical Admin.

Enclosed please find the test result(s) for sample(s) received at Analytical Services, Inc. (ASI) on 11/07/2023.

Thank you for using ASI for your testing needs. For additional information regarding this report, please contact ASI Client Services at 800-723-4432.

Sincerely,
ANALYTICAL SERVICES, INC.

A handwritten signature in black ink, appearing to read 'Harry D. Christman', is written over the printed name.

Harry D. Christman, PhD
Technical Director

Laboratory ID: NH-ELAP #2065



USEPA Method 1623.1 Analytical Report

Baltimore, City of
 Deneen Gordon
 Laboratory Technical Administrator
 Ashburton Filtration Plant
 3001 Druid Park Drive
 Baltimore, MD 21215

Analysis Start: 11/07/2023 10:55
 Analysis End: 11/07/2023 16:40
 Analyst: Aimee Benjamin

ASI Sample ID No.: 71645-01

Method 1623.1 Batch No.: 2537 1623.1
 Cryptosporidium QC ID No.: 5830
 Giardia QC ID No.: 5831

Sample Information

PWS or Client Name:	City of Baltimore
PWS ID:	MD0300002
Facility Name:	Ashburton Lake
Facility ID:	No Data
Sample Collection Point Name:	Ashburton Lake Effluent
Sample Collection Point ID:	Ashburton Lake Effluent
Matrix:	Water-Finished
Method:	EPA 1623.1
Analysis Type:	Field
Date / Time Collected:	11/06/2023 10:15
Turbidity (NTU):	0.3

Volume and Filtration Information

Filter Type:	Gelman HV
No of Filters Used:	1
Volume Filtered (L):	10.93
Packed Pellet Volume (mL):	0.10
Total Resuspended Concentrate Volume (mL):	5.0
Total Resuspended Concentrate Volume to IMS (mL):	5.0
Number of Sub-samples:	1
Total Sample Volume Examined (L):	10.93

Analytical Results

Matrix Spike Results

Analyte	Total (Oo) cysts/L	Recovered (Oo) cysts/L	Spike Dose (Oo) cysts/L	Percent Recovery
<i>Giardia</i>	0.00	N/A	N/A	N/A
<i>Cryptosporidium</i>	0.00	N/A	N/A	N/A

Method: Samples processed, stained and examined using USEPA Method 1623.1: Cryptosporidium and Giardia in Water by Filtration/IMS/FA (USEPA Jan. 2012: EPA 816-R-12-001) (ASI SOP 224-9).

USEPA Method 1623.1 Analytical Report

Baltimore, City of
Deneen Gordon
Laboratory Technical Administrator
Ashburton Filtration Plant
3001 Druid Park Drive
Baltimore, MD 21215

Analysis Start: 11/07/2023 10:55
Analysis End: 11/07/2023 16:46
Analyst: Aimee Benjamin

ASI Sample ID No.: 71645-02

Method 1623.1 Batch No.: 2537 1623.1
Cryptosporidium QC ID No.: 5830
Giardia QC ID No.: 5831

Sample Information

PWS or Client Name:	City of Baltimore
PWS ID:	MD0300002
Facility Name:	Druid Lake
Facility ID:	No Data
Sample Collection Point Name:	Druid Lake Effluent
Sample Collection Point ID:	Druid Lake Effluent
Matrix:	Water-Finished
Method:	EPA 1623.1
Analysis Type:	Field
Date / Time Collected:	11/06/2023 10:50
Turbidity (NTU):	0.2

Volume and Filtration Information

Filter Type:	Gelman HV
No of Filters Used:	1
Volume Filtered (L):	10.93
Packed Pellet Volume (mL):	0.10
Total Resuspended Concentrate Volume (mL):	5.0
Total Resuspended Concentrate Volume to IMS (mL):	5.0
Number of Sub-samples:	1
Total Sample Volume Examined (L):	10.93

Analytical Results

Analyte	Total (Oo) cysts/L
<i>Giardia</i>	0.00
<i>Cryptosporidium</i>	0.00

Matrix Spike Results

Recovered (Oo) cysts/L	Spike Dose (Oo) cysts/L	Percent Recovery
N/A	N/A	N/A
N/A	N/A	N/A

Method: Samples processed, stained and examined using USEPA Method 1623.1: Cryptosporidium and Giardia in Water by Filtration/IMS/FA (USEPA Jan. 2012; EPA 816-R-12-001) (ASI SOP 224-9).

CHAIN OF CUSTODY RECORD

Ship to: Analytical Services, Inc., 130 Allen Brook Lane, Williston, VT 05495, Attn: Sample Management
 Phone: 1-800-723-4432 or 802-878-5138 • Fax: 802-878-6765 Web site: www.analyticalservices.com

Submitted By: <u>City of Baltimore</u> <u>Ashburton WA Laboratory</u> <u>3001 Druid Park Drive</u> <u>Baltimore, MD 21215</u>		Report To: <u>Deneen Gordon</u> <u>City of Baltimore Ashburton WA Lab</u> <u>3001 Druid Park Drive</u> <u>Baltimore, MD 21215</u>	
Phone: <u>410-396-0150</u> Email: <u>DGordon@baltimorecity.gov</u>		Phone: <u>410-396-0150</u> Email: <u>DGordon@baltimorecity.gov</u>	
Project Name	<u>Crypto / Giardia</u>	Invoice To:	<u>City of Baltimore</u> <u>Bureau of accounting & payroll services</u> <u>401 E. Fayette street 15th floor</u> <u>Baltimore, MD 21202</u>
Job Site	<u>Ashburton WA Laboratory</u>	Phone:	_____ Email: _____
P.O. Number	<u>PO-013091 DG</u>		

Sample Identification*	Sample Collection			Sample Matrix							Analysis Requested	Lab Use Only Temp (°C)
	Date (Start)	Time (Start)	Sampler Initials	check one								
				Water - Raw	Water - Finished	Waste Water	Biosolids	Soil/Sediment	Other			
<u>Ashburton Lake Effluent</u>	<u>11/6/23</u>	<u>10:15</u>			<input checked="" type="checkbox"/>						<u>Crypto/Giardia method # 1123</u>	<u>7.2</u>
<u>Druid Lake Effluent</u>	<u>11/6/23</u>	<u>10:50</u>			<input checked="" type="checkbox"/>							<u>↓</u>

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*Sample ID should match ID written on the sample containers and data sheets. Sample ID will appear on the report for identification.

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
<u>[Signature]</u>	<u>11/6/23 11:29</u>	<u>[Signature]</u>	<u>11/7/23 0955</u>
Field Comments:		Lab Comments:	

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