



130 Allen Brook Ln., Williston, VT 05495 USA  
1.800.723.4432 / 802.878.5138 Fax: 802.878.6765  
www.analyticalservices.com

08/01/2023

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

Subject: Finished Reservoirs/ASI #71048

Dear: Deneen Gordon, Lab Tech Super

Enclosed please find the test result(s) for sample(s) received at Analytical Services, Inc. (ASI) on 07/25/2023.

This report consists of five (5) pages, including this cover page. The results reported herein relate only to the sample(s) included in this report. These results were generated under ASI's laboratory quality system, which is in accordance with the NELAC (TNI) standard. Deviations, if any, are noted. This report shall not be reproduced except in full without the written approval of the laboratory.

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.

  
Harry D. Christman, PhD (for)  
Technical Director

Laboratory ID: NH-ELAP #2065





## USEPA Method 1623.1 Analytical Report

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

Analysis Start: 07/28/2023 8:50  
Analysis End: 07/31/2023 13:05  
Analyst: Carissa Rodi

ASI Sample ID No.: 71048-01

Method 1623.1 Batch No.: 2508 1623.1  
Cryptosporidium QC ID No.: 5772  
Giardia QC ID No.: 5773

### Sample Information

PWS or Client Name:	BALTIMORE CITY
PWS ID:	MD0300002
Facility Name:	ASHBURTON FILTER PLANT
Facility ID:	TP2
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:	07/24/2023 11:55
Turbidity (NTU):	0.2

### Volume and Filtration Information

Filter Type:	Envirochek HV
No of Filters Used:	1
Volume Filtered (L):	10.29
Packed Pellet Volume (mL):	0.50
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):	10.29

### 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).



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## USEPA Method 1623.1 Analytical Report

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

Analysis Start: 07/28/2023 8:50  
Analysis End: 07/31/2023 13:11  
Analyst: Carissa Rodi

ASI Sample ID No.: 71048-02

Method 1623.1 Batch No.: 2508 1623.1  
Cryptosporidium QC ID No.: 5772  
Giardia QC ID No.: 5773

Sample Information	
PWS or Client Name:	BALTIMORE CITY
PWS ID:	MD0300002
Facility Name:	ASHBURTON FILTER PLANT
Facility ID:	TP2
Sample Collection Point Name:	ASHBURTON LAKE EFFLUENT TAP
Sample Collection Point ID:	ASHBURTON LAKE EFFLUENT TAP
Matrix:	Water-Finished
Method:	EPA 1623.1
Analysis Type:	Field
Date / Time Collected:	07/24/2023 11:04
Turbidity (NTU):	0.2

Volume and Filtration Information	
Filter Type:	Envirochek HV
No of Filters Used:	1
Volume Filtered (L):	10.50
Packed Pellet Volume (mL):	0.20
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):	10.50

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).



**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 WQ Laboratory</u> <u>3001 Druid Park Drive</u> <u>Baltimore, MD 21215</u>		Report To: <u>Deneen Gordon</u> <u>City of Baltimore Ashburton WQ Laboratory</u> <u>3001 Druid Park Drive</u> <u>Baltimore, MD 21215</u>	
Phone: <u>410-396-0150</u> Email: <u>Deneen.Gordon@baltimorecity.gov</u>		Phone: <u>410-396-0150</u> Email: <u>Deneen.Gordon@baltimorecity.gov</u>	
Project Name	<u>Crypto/Giardia</u>	Invoice To:	<u>City of Baltimore</u>
Job Site	<u>Ashburton WQ Laboratory</u>		<u>Bureau of accounting &amp; payroll services</u> <u>401 E. Fayette Street 15<sup>th</sup> floor</u> <u>Baltimore, MD 21202</u>
P.O. Number	<u>P553174: 5</u>	Phone:	_____ Email: _____

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			
<del>Liberty Reservoir</del> <sup>cr?</sup>											<u>Giardia / crypto</u>	<u>9.6</u>
<del>Ashburton "RAW" faucet</del>											<u>method #1623</u>	
<u>ASHBURTON LAKE</u> <u>EFFLUENT TAP</u>	<u>7/24/23</u>	<u>11:04</u>	<u>DG</u>		<input checked="" type="checkbox"/>							

\*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>7/24/23, 1:13</u>	<u>[Signature]</u>	<u>7/25/23 10:20</u>

Field Comments:	Lab Comments:
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Phone: <u>410-396-0150</u> Email: <u>Deneen.Gordon@baltimorecity.gov</u>		Phone: <u>410-396-0150</u> Email: <u>Deneen.Gordon@baltimorecity.gov</u>	
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Job Site	<u>Ashburton WQ Laboratory</u>	Phone:	_____ Email: _____
P.O. Number	<u>P553174: 5</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			
<del>Liberty Reservoir</del>											<u>Giardia / crypto</u>	<u>9.6</u>
<del>Ashburton "Raw" faucet</del>											<u>method #1623</u>	
<u>DRUID LAKE EFFLUENT</u>	<u>7/24/23</u>	<u>11:55</u>			<input checked="" type="checkbox"/>							

\*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) <u>[Signature]</u>	Date/Time <u>7/24/23, 1:15pm</u>	Received By (signature) <u>[Signature]</u>	Date/Time <u>7/25/23 1020</u>
Field Comments:		Lab Comments:	