

10/04/2023

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

Subject: Finished Reservoirs/ASI #71479

Dear: Deneen Gordon, Technical Admin.

Enclosed please find the test result(s) for sample(s) received at Analytical Services, Inc. (ASI) on 10/04/2023.

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 NELAP (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
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: 10/04/2023 10:57
 Analysis End: 10/04/2023 17:10
 Analyst: Kyle Masters

ASI Sample ID No.: 71479-01

Method 1623.1 Batch No.: 2527 1623.1
 Cryptosporidium QC ID No.: 5810
 Giardia QC ID No.: 5811

Sample Information	
PWS or Client Name:	BALTIMORE CITY
PWS ID:	MD030002
Facility Name:	ASHBURTON LAKE EFFLUENT
Facility ID:	TP2
Sample Collection Point Name:	ASHBURTON LAKE EFFLUENT
Sample Collection Point ID:	No Data
Matrix:	Water-Finished
Method:	EPA 1623.1
Analysis Type:	Field
Date / Time Collected:	10/03/2023 10:10
Turbidity (NTU):	1.0

Volume and Filtration Information	
Filter Type:	Envirochek HV
No of Filters Used:	1
Volume Filtered (L):	10.64
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):	10.64

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).

JK

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: 10/04/2023 10:57
 Analysis End: 10/04/2023 17:16
 Analyst: Kyle Masters

ASI Sample ID No.: 71479-02

 Method 1623.1 Batch No.: 2527 1623.1
 Cryptosporidium QC ID No.: 5810
 Giardia QC ID No.: 5811

Sample Information	
PWS or Client Name:	BALTIMORE CITY
PWS ID:	MD030002
Facility Name:	DRUID LAKE EFFLUENT
Facility ID:	TP3
Sample Collection Point Name:	DRUID LAKE EFFLUENT
Sample Collection Point ID:	No Data
Matrix:	Water-Finished
Method:	EPA 1623.1
Analysis Type:	Field
Date / Time Collected:	10/03/2023 10:48
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):	0.10
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):	10.50

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

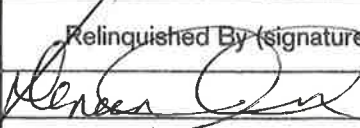
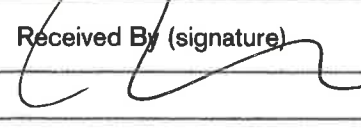
Ship to: Analytical Services, Inc., 130 Allen Brook Lane, Williston, VT 05495, Attn: Sample Management
 Phone: 1-800-723-4432 or 802-878-5138 • Fax: 802-878-6765 Web site: www.analyticalservices.com

Submitted By: <u>City of Baltimore</u> <u>Ashburton 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 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> <u>BUREAU of ACCOUNTING & Payroll SERVICES</u> <u>401 E. FAYETTE Street 15th Floor</u> <u>Baltimore, MD. 21202</u>
Job Site	<u>ASHBURTON LAKE EFFLUENT</u>	Phone:	_____ Email: _____
P.O. Number	<u>PO- 013091</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</u> <u>"Finish water" EFFLUENT</u>	<u>10/3/23</u>	<u>10:10</u>			<input checked="" type="checkbox"/>						<u>CRYPTO/GIARDIA</u> <u>Method #1623</u>	<u>11.1°</u>

F22

*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 <u>10/3/23, 12:10</u>	Received By (signature) 	Date/Time <u>10/4/23 1010</u>
Field Comments:		Lab Comments:	
		<u>4/c</u>	

CHAIN OF CUSTODY RECORD


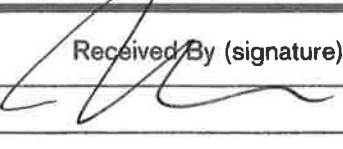
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Submitted By: <u>City of Baltimore</u> <u>Ashburton WA Laboratory</u> <u>3001 Druid Park Drive</u> <u>Baltimore, MD, 21215</u>		Report To: <u>Deneen Gordon</u> <u>City of Baltimore Ashburton WA Laboratory</u> <u>3001 DRUID PARK DRIVE</u> <u>Baltimore, MD. 21215</u>	
Phone: <u>410-376-0150</u> Email: <u>deneen.gordon@baltimorecity.gov</u>		Phone: <u>410-376-0150</u> Email: <u>deneen.gordon@baltimorecity.gov</u>	
Project Name	<u>CRYPTO / GIARDIA</u>		
Job Site	<u>DRUID LAKE EFFLUENT</u>		
P.O. Number	<u>PO - 013091</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>		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			
<u>DRUID LAKE</u> <u>"FINISHED WATER" EFFLUENT</u>	<u>10/3/23</u>	<u>10:48</u>	<u>DA</u>		<input checked="" type="checkbox"/>						<u>CRYPTO / GIARDIA</u> <u>METHOD # 1623</u>	<u>11.1</u>

IR2

*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 <u>10/3/23, 12:10</u>	Received By (signature) 	Date/Time <u>10/4/23 10:10</u>
Field Comments:		Lab Comments: <u>5/5</u>	