



Environmental and Laboratory Services
 90 1/2 West Blackwell St., Dover, New Jersey 07801
 (973) 989-0010 P, (973) 989-0156 F

Analytical Results

Date: December 14, 2017
 Client: Lakeshore Water Company
 Address: 51 Lake Trail West
 Morristown, NJ 07960
 PWSID #: NJ1413001
 Sample description: Drinking Water / H4169 / 58814-01 / DWS7052-1
 Sample location: Lakeshore PH #2 Raw
 Sampled by: M. Huber
 Sample date: 11/13/17-11/14/17
 Time: 12:35-12:35
 Analyst: J. MacDonald / See Attached

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Reporting Limit
Miscellaneous MPA (2)	EPA910/9-92-029	See Attached	---	11/16/17	08:33	See Attached
Total Coliform	SM9223B	Present	0	11/14/17	15:49	--
E. Coli	SM9223B	Present	0	11/14/17	15:49	--
Chlorine residual (1)	SM4500CLG	<0.01 mg/L	--	11/14/17	--	0.01 mg/L
pH (1)	SM4500HB	7.13 su	6.5-8.5 su	11/13/17	--	--
Turbidity	SM2130B	0.43 ntu	1 ntu	11/13/17	--	0.1 ntu

mg/L = milligrams per liter
 su = standard units
 ntu = nephelometric turbidity units

Notes: (1) Analysis completed at time of collection by field sample technician
 (2) Analysis completed by Analytical Services, Inc.; NJ Lab ID: VT003

All testing was done within the required holding time.

I certify that these samples were analyzed in accordance with procedures approved by the New Jersey Department of Environmental Protection.

Susan VanVeen
 Susan VanVeen, Lab Manager
 NJ Laboratory Certification ID # 14013

12/14/17
 Date

Microscopic Particulate Analysis (MPA)

Sample Information

Client:	Agra Environmental Laboratory	Volume Sampled (gal)	874
Site:	Raw Water - Well #2	Filter Color	Brown
Water Type:	Raw/Well	Sediment Volume (mL)	1.5
Client Sample ID:	Lakeshore Water - Well #2	Analysis Start	11/16/17 8:33
ASI Sample #:	58814-01	Analysis End	12/13/17

MPA Data (data per 100 gal.)

Vol. Examined at 150x (gal.)	100	Detection Limit at 150X =	1.0
Vol. Examined at 300x (gal.)	NA	Detection Limit at 300X =	NA
Amorphous Debris	Uniform	Iron Bacteria	ND
Vegetative Debris w/ chlorophyll	ND	Crustaceans	ND
Veg. Debris w/o chlorophyll	ND	Crustacean Parts/Eggs	ND
Diatoms w/ chlorophyll (300X)	ND	Water Mites	ND
Diatoms w/o chlorophyll (300X)	ND	Gastrotrichs	ND
Other Algae (300X, see below)	11	Tardigrades	ND
Rotifers	3	Nematodes/N. Eggs	2/5
Rotifer Eggs	ND	Invertebrate Eggs	ND
Spores	5	Annelids	ND
Pollen	1	Amoeba	ND
Insects/Larvae	ND	Protozoa (300X, non-Crypto/Giardia)	1

Cryptosporidium and Giardia Data

Volume Examined (gal.)	291.3	RESULTS	
		per Vol. Examined	Per 100gal
		Cryptosporidium Oocysts:	0 <0.34
		Giardia Cysts:	0 <0.34

MPA Risk Rating Score (per EPA Consensus Method)

Numerical Score	5	Risk Rating	Low
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Other

Algae Observed	NA
Comments	

Methods:

MPA - SOP based on EPA Consensus Method (EPA 910/9-92-029)

Cryptosporidium & Giardia - SOP based on purification, staining & exam procedures in EPA 1623/1623.1

Notes

MPA Risk Rating Tables were developed by USEPA Region 10 from limited data; Interpret with caution.

MPA Risk Rating Score - if less than 100 gallons was examined, Interpret with caution.

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Customer Name: Lakeshore Water Company	Report To:	
Address: 51 Lake Trail West	SAME	Agra Environmental Services 90½ West Blackwell Street Dover, NJ 07801
County/Municipality: Morris County		Phone: (973) 989-0010
Phone: (973) 425-9285		Fax: (973) 989-0156
Work:		

Matrix Abbreviations: D - Drinking Water		G - Groundwater	W - Wastewater	S - Soil	SL - Sludge	P - Pool	L - Lake	Page <u>1</u> of <u>1</u>			
Project:		PWSID#: NJ 1413001						Field Analysis			
Field ID	Lab ID	Collection	Date	Time	Grab	Comp	Matrix	# of Bottles	Preservative	ANALYSIS REQUESTED	Cl ₂
	Lakeshore PH #2 - RAW		11/3-11/4	1335		X	D	1	NONE	MPA 24 HR Test	U.00
				12:35	X			1		TC/EC H4169	0.00
				12:35	X			1		PH = 7.13	
				12:35	X			1		Turb = 0.43 NTU	

State Forms Needed (circle one): Yes or No

NJDEP Laboratory Certification (Dover, NJ) #14013

NJDEP Laboratory Certification (Marlboro, NJ) #13033

Reporting Requirements (Check Box):

Standard	NJ	Reduced	Other (Specify)
			Cooler Temperature Upon Receipt at lab: 5.8° C

indicate laboratory location where analysis requested was performed

Sample Custody Exchanges (Please use full legal signature)			
Relinquished By:	Date:	Time:	Received By:
M Huber	11/4/12	1331	M Huber
Relinquished By:	Date:	Time:	Received By:
W. Van Veen	11/14/11	1337	S. Van Veen
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Scanned: To AS 11/14/17

Date Faxed: _____

Invoice Number: _____

Is sample known to be hazardous? (circle one) Yes or **No**



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: _____ Agra Environmental & Laboratory Services 90 1/2 West Blackwell Street Dover, NJ 07801 973-989-0010 _____ Phone: _____ Email: _____		Report To: _____ Agra Environmental & Laboratory Services 90 1/2 West Blackwell Street Dover, NJ 07801 973-989-0010 _____ Phone: _____ Email: <u>JFILAN@AGRA-NJ</u>	
Project Name	<u>LAKESHORE WATER COMPANY</u>	Invoice To: _____ Agra Environmental & Laboratory Services 90 1/2 West Blackwell Street Dover, NJ 07801 973-989-0010 _____ Phone: _____ Email: _____	
Job Site			
P.O. Number			

Sample Identification*	Sample Collection			Sample Matrix							Analysis Requested	Lab Use Only
	Date (Start)	Time (Start)	Sampler Initials	check one								
				Water - Raw	Water - Finished	Waste Water	Biosolids	Soil/Sediment	Other	Temp (°C)		
<u>LAKESHORE PH #2 - RAW</u>	<u>11/14/17</u>	<u>1235</u>	<u>MH</u>	<input checked="" type="checkbox"/>							<u>MPA</u>	<u>2.02</u>

*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>11/14/17 1600</u>		<u>11/15/17 10:30</u>
Field Comments:		Lab Comments:	