

# CYANOTOXINS ANALYSIS

Presented to:

Aqua Doc  
3455 Center Pointe Dr.  
Grove City, OH 43123

Prepared by:



**EnviroScience, Inc.**, 5070 Stow Road, Stow, Ohio 44224  
330-688-0111 • 800-940-4025 • FAX: 330-688-3858  
[www.enviroscienceinc.com](http://www.enviroscienceinc.com)

---

August 21, 2019

August 21, 2019

Mr. Cory Richmond  
Aqua Doc  
3455 Center Pointe Dr.  
Grove City, OH 43123

The following is a copy of EnviroScience's report for the toxin assay that was completed in August 2019 using a sample collected August 16, 2019 at Minerva Park. The sample was analyzed for concentrations of microcystin. Endpoints are listed below.

***Cyanotoxins for Aqua Doc***

*sample collected: 08/16/19*

**Minerva Park:**

Microcystin:                      1.095 ug/L

Please call me if you should have any questions.

Sincerely,



Katherine L. Hansler, Aquatic Biologist

enclosures

Table 1. General Information

1. Facility: Aqua Doc Report Date: 08/21/19
2. Address: 3455 Center Pointe Dr, Grove City, OH 43123
3. Facility Contact: Cory Richmond 4. Phone No.: 614-753-1087
5. Testing Lab: EnviroScience, Inc., 5070 Stow Rd., Stow, OH 44224
6. Laboratory Contact: Kate Hansler 7. Phone No.: 330-688-0111

Table 2. Sampling summary.			
Outfall or Sample ID	Sample Type grab/composite	Volume Received	Sample Collection MM/DD/YY-Time
Minerva Park	composite	1000 mL	08/16/19

Sample received: 08/20/19

**Table 3. Microcystin**

DATE RECEIVED	SAMPLE ID	DATE COLLECTED	R2	TYPE	CONC	Absorbance	%CV Absorbance	Average Absorbance	Average Concentration
			0.99839	S0	0.000	1.074	2.7%	1.054	0.009
			0.99839	S0	0.017	1.034	2.7%	1.054	0.009
			0.99839	S1	0.160	0.881	0.6%	0.885	0.156
			0.99839	S1	0.153	0.888	0.6%	0.885	0.156
			0.99839	S2	0.468	0.670	9.5%	0.719	0.386
			0.99839	S2	0.303	0.767	9.5%	0.719	0.386
			0.99839	S3	1.106	0.472	1.0%	0.476	1.088
			0.99839	S3	1.070	0.479	1.0%	0.476	1.088
			0.99839	S4	1.827	0.376	0.0%	0.376	1.827
			0.99839	S4	1.827	0.376	0.0%	0.376	1.827
			0.99839	S5	>5	0.245	2.6%	0.250	>5
			0.99839	S5	>5	0.254	2.6%	0.250	>5
			0.99839	KC	0.770	0.553	5.2%	0.574	0.707
			0.99839	KC	0.644	0.595	5.2%	0.574	0.707
8/20/2019	Minerva Park	8/16/2019	0.99839	U	1.106	0.472	0.6%	0.474	1.095
8/20/2019	Minerva Park	8/16/2019	0.99839	U	1.085	0.476	0.6%	0.474	1.095

Detection Limit: 0.15 ug/L

**NOTE:** All samples, controls, and standards are run in duplicate.

# TERMS

ppb = parts per billion

Kit Expiration Date = Abraxis toxin assay kit expiration date

R2 = Standard curve correlation coefficient

Type = Sample type

S = Standard

KC = Kit Control

NC = Negative Control

U = Unknown

CONC = Concentration of toxin in ppb

% CV Absorbance = Coefficient of variation measured in per cent for the absorbance