



Essex Vt, Town of	
81 Main Street	070195
Essex Jct, VT 05452	
Atten: Allyson Vile	

PROJECT: Swim Water  
 WORK ORDER: **2008-20930**  
 DATE RECEIVED: August 10, 2020  
 DATE REPORTED: August 21, 2020  
 SAMPLER: Ally Vile

### Laboratory Report

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields. The Williston, VT facility is also ISO/IEC 17025:2017 accredited for Total Coliform and E coli by SM9223B.

The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Harry B. Locker, Ph.D.  
 Laboratory Director

**Laboratory Report**

DATE REPORTED: 08/21/2020

CLIENT: Essex Vt, Town of  
PROJECT: Swim WaterWORK ORDER: **2008-20930**  
DATE RECEIVED: 08/10/2020

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date/Time</u>	<u>Lab/Tech</u>	<u>NELAC</u>	<u>Qual.</u>
001	Site: Picnic Area			Date Sampled: 8/10/20	Time: 12:45		
	Report Attached		Lab	8/14/20	SWSUB	U	RWA

Report Summary of Qualifiers and Notes

RWA: Analysis performed by subcontracted laboratory, South Central Connecticut Regional Water Authority, with the following state assigned laboratory ID numbers: (CT) PH-411 and (NY) 11867. Refer to the complete subcontracted report appended to this report, for detailed information regarding this result.



90 Sargent Dr, New Haven, CT 06511  
 Phone: 203-401-2700  
 Fax: 203-401-6799

**Chain of Custody Form**

**Company Name**

Endyne, Inc.

**Company Address**

160 James Brown Drive  
 Williston, VT 05495

**Sampler Client**

**Project #**

2008-20930

**RWA LIMS Number**

200586608

**Date Collected**

8/10/20

**Time Collected**

12:45

**Sample ID / Sample Location**

Picnic Area

**Number of Bottles**

5

**Test Requested, Container, & Preservative**

EPA 537.1 & Tris (Hydroxymethyl) Aminomethane  
 250mL Plastic w/Tris Hydrochloride

EPA 537.1 - Poured Field Blank  
 250mL Plastic w/Tris Hydrochloride  
 & Tris (Hydroxymethyl) Aminomethane

Cyanobacter by microscopy

1

4

Remarks

Phytoplankton

State Sample Collected: CT \_\_\_ NY \_\_\_ Other (specify) VT

**Thermometer ID:**

Evidence of Cooling (Circle): Y or N

Cooler Temp °C: 8.5

Container & Preservative Meet Criteria (Circle) Yes/No

**Relinquished By (Signature):**

*Eileen Loomis*

**Date & Time:**

8/10/20 @ 5pm

**Received By (Signature):**

*[Signature]*

**Date & Time:**

8/14/20

**Comments:**

Please report to: [etomay@erdynelabs.com](mailto:etomay@erdynelabs.com)

Log in by SOC  
 8/14/20

**PHYTOPLANKTON BENCH SHEET**

Sample Location: Picnic Area      Analyst: SJC      Dominant: Oscillatoria  
 Sample Date: 8/10/2020      Date Analyzed 8/14/2020      Bluegreen  
 LIMS Sample ID: 200586608      Comments: High  
 Client: Endyne Inc. Williston VT.      Depth (M)      N/A

	Name of Organism	Number of Organisms Counted	Total No. Fields (1000)	Number of Fields Counted	mls of Concentrate	mls of Sample	Correction Factor	Total Cells per mL
1	Oscillatoria	2760	1000	10	5	50	10	27,600
2	Anabaena	8	1000	10	5	50	10	80
3	Phormidium	36	1000	10	5	50	10	360
4	Fragilaria	14	1000	10	5	50	10	140
5	Chlorella	7	1000	10	5	50	10	70
6	Chrysococcus	1	1000	10	5	50	10	10
7			1000	10	5	50	10	0
8			1000	10	5	50	10	0
9			1000	10	5	50	10	0
10			1000	10	5	50	10	0
11			1000	10	5	50	10	0
12			1000	10	5	50	10	0
13			1000	10	5	50	10	0
14			1000	10	5	50	10	0
15			1000	10	5	50	10	0
16			1000	10	5	50	10	0
17			1000	10	5	50	10	0
18			1000	10	5	50	10	0
19			1000	10	5	50	10	0
20			1000	10	5	50	10	0

**TOTAL:** 28,260  
 a

**FINAL REPORT**

Report Date: 17-AUG-2020 12:34 PM

Sample Number: 200586608

Subm # : 100195395  
Study : FEE SERVICE -  
MISCELLANEOUS  
Logged : 14-Aug-2020 08:44 pm  
By : CAPPELLA  
Categ. : FEE - MISC.  
FEE - MISC.

Type : -FEE- MISC OTHER  
(Loca) : -LOGIN  
ID : Williston VT - Picnic Area

Customer : Endyne  
Attn : Endyne  
Samp Addr: PICNIC AREA  
Samp City : WILLISTON VT.  
Collected : 08/10/20 12:45  
Loca Desc : PICNIC AREA

PARAMETER	RESULT	UNITS	RL	METHOD	COMMENTS
TOTAL PLANKTON (ALGAE)	28260	CELLS/ML			
DOMINANT PLANKTON #	27600	CELLS/ML			
DOMINANT PLANKTON TYPE	OSCILLATORIA - BLUEGREEN	GENUS			
DATE OF ANALYSIS REQUIRED	08/14/20	MM/DD/YY			

All parameters were analyzed in accordance with EPA approved methods EXCEPT where noted in 'COMMENTS' column or in the discussion below. This report is not valid without the cover sheet.

Please note that not all the analytes listed above are NELAP certified. For identification of specific analytes maintaining this certification please contact the Laboratory Manager.

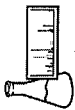
Perfluorinated compounds performed by isotope dilution (PFC Isotope) are not certified and New York NELAP only provides certification for PFOA and PFOS by method 537. RWA does maintain certifications in other states for perfluorinated compounds encompassing the entire list found in EPA method 537 and 537.1.

RL - Reporting Limits

J - The reported result is an estimate. The value is less than the minimum calibration level but greater than the calculated method detection limit (MDL)

Approved by and Date :

*R. Holt* 8/20/20



# ENDYNE, INC.

160 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333

# CHAIN-OF-CUSTODY-RECORD

Special Reporting Instructions/PO#:

Project Name: \_\_\_\_\_ Client/Contact Name: **TOWNS OF ESSEX** Sampler Name: **Ally Vile**

State of Origin: VT \_\_ NY \_\_ NH \_\_ Other \_\_ Phone # (802) **878-1376** Phone #: \_\_\_\_\_

Endyne WO # \_\_\_\_\_ Mailing Address: **75 MARLE ST  
ESSEX SCT. VT 05452** Billing Address: \_\_\_\_\_

Sample Location	Matrix	G K A B	O M P	Date/Time Sampled	Sample Containers		Sample Preservation	Analysis Required	Field Results/Remarks	Due Date
					No.	Type/Size				
PICNIC AREA				8/10/20 12:45					Blue Green Algae	

**2008-20930**

2008-20930  
Essex Ut, Town of  
Swim Water

Relinquished by: **MARK GIBSON** Date/Time: **8/10/20 1:34** Received by: **Eileen Johnson** Date/Time: **8/10/20 @ 1:34**

LAB USE ONLY	
Delivery:	<i>Checked</i>
Temp:	<i>22.0</i>
Comment:	

Item	1	2	3	4	5	31	32	34	38	
pH	6	TKN	11	Total Solids	16	Sulfate	21	1664 TPH/FOG	26	8270 PAH Only
Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	8015 GRO	27	8081 Pest
Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	8015 DRO	28	8082 PCB
Nitrite N	9	BOD	14	Turbidity	19	VT PCF	24	8260B	29	PP13 Metals
Nitrate N	10	Alkalinity	15	Conductivity	20	VOC Halocarbons	25	8270 B/N or Acid	30	Total RCRA8
Metals (Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Tl, U, V, Zn										
TCLP (volatiles, semi-volatiles, metals, pesticides, herbicides)										
Corrosivity	35	Ignitability	36	Reactivity	37	Other				
Other										