



Civil Engineering Assoc., Inc.
10 Mansfield View Lane 100143
South Burlington, VT 05403

Atten: David Marshall

PROJECT: Philo Ridge Farm
WORK ORDER: **1606-13439**
DATE RECEIVED: June 28, 2016
DATE REPORTED: July 14, 2016
SAMPLER: Greg Carter

VTP

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 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

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160 James Brown Dr., Williston, VT 05495
Ph 802-879-4333 Fax 802-879-7103

56 Etna Road, Lebanon, NH 03766
Ph 603-678-4891 Fax 603-678-4893



Laboratory Report

DATE REPORTED: 07/14/2016

CLIENT: Civil Engineering Assoc., Inc.
PROJECT: Philo Ridge FarmWORK ORDER: 1606-13439
DATE RECEIVED 06/28/2016

001	Site: Kitchen Sink		Date Sampled: 6/28/16		Time: 10:30				
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.		
Total Coliform	< 1	MPN/100mls	SM20 9223B(97)	6/28/16 12:15	W CM	A			
e. coli	< 1	MPN/100mls	SM20 9223B(97)	6/28/16 12:15	W CM	A			
Uranium	4.3	ug/L	EPA 200.8	7/5/16	SWSUB	A			SPG
Chloride	< 2.5	mg/L	EPA 300.0	6/28/16	W CM	A			
Nitrate as N	0.096	mg/L	EPA 300.0	6/28/16 12:50	W CM	A			
Nitrite as N	< 0.020	mg/L	EPA 300.0	6/28/16 12:50	W CM	A			
Odor	< 1	TON	SM20 2150B (97)	6/29/16 13:51	W JSS	A			
pH	7.77	SU at 24.2C	SM 4500-H B.(97)	6/29/16 15:36	W MHM	U			
Arsenic, Total	< 0.001	mg/L	SM 3113B-04	7/13/16	W FAA	A			
Iron, Total	0.036	mg/L	EPA 200.7	7/1/16	W MGT	A			
Manganese, Total	< 0.010	mg/L	EPA 200.7	7/1/16	W MGT	A			
Sodium, Total	11	mg/L	EPA 200.7	7/1/16	W MGT	A			

Report Summary of Qualifiers and Notes

Samples received in this project required pH. The EPA hold time for this analysis is 15 minutes and should be performed at the time of collection. Analysis was performed as soon as possible upon arrival at the laboratory.

Listed below are EPA Maximum Contaminant Levels (MCL) for commonly tested parameters. Exceedence of Primary Contaminant MCLs is deemed a significant health risk. Secondary Contaminant MCLs are standards that may have cosmetic or aesthetic concerns.

Primary Contaminant	MCL
Total Coliform	"Absent" 100mL or "< 1" MPN/100mL
e.coli	"Absent" 100mL or "< 1" MPN/100mL
Nitrate	less than 10 mg/L
Nitrite	less than 1.0 mg/L
Arsenic	less than 0.010 mg/L
Uranium	less than 0.020 mg/L (VT DEC Water Supply Standard)

Secondary Contaminant	MCL
Odor	less than 3 T.O.N. *
pH	between 6.5-8.5
Iron	less than 0.30 mg/L
Manganese	less than 0.05 mg/L
Sodium	less than 250 mg/L
Chloride	less than 250 mg/L

* Threshold Odor Number

Samples received in this project required pH. The EPA hold time for this analysis is 15 minutes and should be performed at the time of collection. Analysis was performed as soon as possible upon arrival at the laboratory.

SPG: Analysis performed by subcontracted laboratory, Granite State. Results are presented here for your convenience. Refer to the complete subcontracted report, which has been appended to this report, for detailed information regarding this result.

GRANITE STATE ANALYTICAL SERVICES, LLC

22 Manchester Road, Unit 2, Derry, NH 03038

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<http://www.granitestateanalytical.com/>

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

DATE PRINTED: 07/06/2016
CLIENT NAME: Endyne, Inc.
CLIENT ADDRESS: 160 James Brown Dr.
Williston, VT 05495

Legend
Passes 
Fails EPA Primary 
Fails EPA Secondary 
Fails EPA Proposed Limit 

SAMPLE ID#: 1607-00062-001

DATE AND TIME COLLECTED: 06/28/2016 10:30 AM

SAMPLED BY: Client-Customer

DATE AND TIME RECEIVED: 07/01/2016 10:55 AM

SAMPLE ADDRESS: 1606-13439 001

ANALYSIS PACKAGE: Uranium-GSA

RECEIPT TEMPERATURE: 26.0 CELSIUS

CLIENT JOB # 1606-13439-w

LOCATION: kitchen sink 006

Test Description	Results	Test Units	Pass /Fail	DQ Flag	RL	EPA Limit	Method	Analyst	Date-Time Analyzed
Uranium*	4.3	ug/L			1	30 ug/L	EPA 200.8	BB-NH	07/05/16 8:32 PM
Uranium	2.9	pCi/L			0.67	20 pCi/L	EPA 200.8 Calc.	BB-NH	07/05/16 8:32 PM

The results presented in this report relate to the samples listed above in the condition in which they were received. RL: "Reporting limit" means the lowest level of an analyte that can be accurately recovered from the matrix of interest.

Data Qualifier (DQ) Flags: None

* NELAC Accredited Analysis



Donald J. D'Anjou, Ph. D.
Laboratory Director

This analysis meets NELAC requirements except as noted.

State Certifications: | NH 1015 | MA M-NH003 | ME NH00003 | RI 101513 | VT VT-101507 |

This certificate shall not be reproduced, except in full, without the written approval of Granite State Analytical Services, LLC



ENDYNE, INC.
 160 James Brown Drive
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CHAIN-OF-CUSTODY-RECORD

amarskall@ceqa.com

Special Reporting Instructions/PO#:

76064

Project Name: Philo Ridge Farm	Client/Contact Name: Civil Engineering Assn	Sampler Name: Greg Carter
State of Origin: VT <u>NY</u> <u>NH</u> <u>Other</u>	Phone #: 864-2323	Phone #: 864-2323
Endyne WO #	Mailing Address: 10 Mansfield Dr. S. Burlington, VT 05403	Billing Address: Civil Eng. Associates 10 Mansfield Dr. S. Burlington, VT 05403

Sample Location	Matrix	G R A B	C O M P	Date/Time Sampled	Sample Containers		Sample Preservation	Analysis Required	Field Results/Remarks	Due Date
					No.	Type/Size				
Kitchen Sink				6/28/16 10:38				Tablet		



1606-13439
 Civil Engineering Assoc., Inc.
 Philo Ridge Farm

Relinquished by: <i>[Signature]</i>	Date/Time: 6/28/16 11:10	Received by: <i>[Signature]</i>	Date/Time: 6/28/16 11:10								
1	pH	6	TKN	11	Total Solids	16	Sulfate	21	1664 TPH/FOG	26	8270 PAH Only
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	8015 GRO	27	8081 Pest
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	8015 DRO	28	8082 PCB
4	Nitrite N	9	BOD	14	Turbidity	19	VT PCF	24	8260B	29	PP13 Metals
5	Nitrate N	10	Alkalinity	15	Conductivity	20	VOC Halocarbons	25	8270 B/N or Acid	30	Total RCRA8
31	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										
32	TCLP (volatiles, semi-volatiles, metals, pesticides, herbicides)										
34	Corrosivity	35	Ignitability	36	Reactivity	37	Other				
38	Other										

LAB USE ONLY
 Delivery: *Clear*
 Temp: **0.5**
 Comment: