

Laboratory Report
#LL101024-11



October 11th, 2024

"Not Just Results, But Answers"

8605 W. Freistadt Road
Mequon, WI 53097
(414) 350-1100 Fax (262) 478-1336

System Name: VINTAGE ESTATES

Well Address:

City/State/Zip: Mequon, WI. 53092

County: Ozaukee

Sample Location: 118 E. Miller - Kitchen

System Type: OC

Sample Type: D - Routine Distribution

Well Constructor / Operator / Inspector

Leibau-Laun, Inc
1200 W. Leibau Rd.
Mequon, WI 53092
License # 527

Well Completion Date: N/A
Unique Well #: N/A

PWS ID#: 24607055

RESULTS:

Coliform Bacteria - NOT PRESENT

Escherichia Coli - NOT PRESENT

Authorized Signature: _____

Analytical Chemist

WI Laboratory Certification # 105-461 & USEPA Lab ID# WI01119

The above mentioned result was performed by Water Diagnostics, LLC with an approved E.P.A method for the detection of Coliform / E. Coli Bacteria and in accordance with the State of Wisconsin Department of Natural Resources and the Wisconsin Department of Agriculture, Trade, and Consumer Protection.

Consumer Notice of Lead and Copper Results in Drinking Water (OTM/NN)

Public Water Systems are required to test water for lead and copper from drinking water taps within their distribution systems AND to notify consumers of lead and copper test results. Listed below are test results of samples collected this year.

Public Water Supply Name:	Vintage Estates		
PWSID:	24607055	County:	OZARK

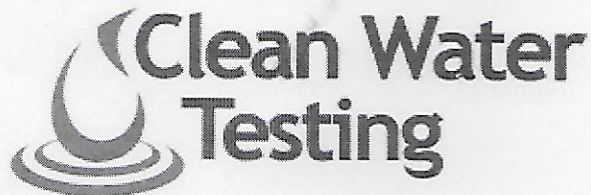
Thank you for participating in our drinking water lead and copper monitoring program. The results of the lead and copper sample collected at your location are in the table below.

Address / Location of Sample	Sample Date	Lead µg/l (ppb)	Copper µg/l (ppb)
Kitchen tap	8-14-24		
119 W. Vintage	8-14-24	N.D	420
117 W. Vintage	8-14-24	N.D	54.8
204 W. Vintage	8-14-24	N.D	45.2
118 E. Miller DR	8-14-24	N.D	146.0
10120 Vintage CRT	8-14-24	N.D	41.0

Contaminant	Action Level (parts per billion or ppb)	Maximum Contaminant Level Goal (ppb)
Lead	15	0
Copper	1300	1300

Definition of terms:

- **µg/l:** micrograms per liter. This is equivalent to one part-per-billion or *ppb*.
- **Action Level:** The concentration of lead or copper which, if exceeded in greater than ten percent of the total number of samples collected by a public water system, triggers one or more of the actions specified above. The lead action level is not health-based. It was established based on the feasible lead level that public water systems could meet.
- **Maximum Contaminant Level Goal:** The level of lead or copper in drinking water below which there is no known or expected risk to health. The MCLG for lead is 0 (zero) ppb, based on information from EPA and CDC that there is no identifiable level of lead that is without risk, and the MCLG for copper is 1300 ppb which is the same as the copper action level and water at or below this level is considered safe.



1990 Prospect Ct., Appleton, WI 54914 * 800-801-7590

LIEBAU-LAUN
1200 W LIEBAU RD
THIENSVILLE, WI 53092

Home Owner VINTAGE ESTATES
Well ID/Address PUMP HOUSE
Well City
Sample Location SAMPLE TAP PUMP HOUSE
Lab # 645701
Collected By/Date A. LIEBAU 6/30/2024

Report Date 10-Jul-24

Analyte	Result	Units	LOD	LOQ	Dil	Dig	Date	Run Date	Mthd	Analyst	QC Code
Organic											
SOC											
Pentachlorophenol	None Detected	ug/L	0.04	0.04	1			7/5/2024	515.3	EEA	1
Simazine	None Detected	ug/L	0.07	0.07	1			7/4/2024	525.2	EEA	1
Endothall	None Detected	ug/L	5	5	1			7/8/2024	548.1	EEA	1
Endrin	None Detected	ug/l	0.01	0.01	1			7/4/2024	525.2	EEA	1
Glyphosate (Round-Up)	None Detected	ug/L	6	6	1			7/3/2024	547	EEA	1
Heptachlor	None Detected	ug/L	0.01	0.01	1			7/4/2024	525.2	EEA	1
Heptachlor Epoxide	None Detected	ug/L	0.01	0.01	1			7/4/2024	525.2	EEA	1
Hexachlorobenzene	None Detected	ug/L	0.1	0.1	1			7/4/2024	525.2	EEA	1
Hexachlorocyclopentadiene	None Detected	ug/L	0.1	0.1	1			7/4/2024	525.2	EEA	1
BHC Gamma (Lindane)	None Detected	ug/L	0.02	0.02	1			7/4/2024	525.2	EEA	1
Alachlor (Lasso)	None Detected	ug/L	0.1	0.1	1			7/4/2024	525.2	EEA	1
Oxamyl (Vydate)	None Detected	ug/L	1	1	1			7/4/2024	531.1	EEA	1
Diquat	None Detected	ug/L	0.4	0.4	1			7/8/2024	549.2	EEA	1
Picloram (Tordon)	None Detected	ug/L	0.1	0.1	1			7/5/2024	515.3	EEA	1
2,4,5-TP (Silvex)	None Detected	ug/L	0.1	0.1	1			7/5/2024	515.3	EEA	1
Toxaphene	None Detected	ug/L	0.5	0.5	1			7/8/2024	505	EEA	1
Atrazine - SOC	None Detected	ug/L	0.1	0.1	1			7/4/2024	525.2	EEA	1
Carbofuran	None Detected	ug/L	0.9	0.9	1			7/4/2024	531.1	EEA	1
Chlordane	None Detected	ug/L	0.1	0.1	1			7/8/2024	505	EEA	1
2,4-D	None Detected	ug/L	0.1	0.1	1			7/5/2024	515.3	EEA	1
Dalapon	None Detected	ug/L	1	1	1			7/5/2024	515.3	EEA	1
Dinoseb	None Detected	ug/L	0.1	0.1	1			7/5/2024	515.3	EEA	1
Methoxychlor	None Detected	ug/L	0.1	0.1	1			7/4/2024	525.2	EEA	1

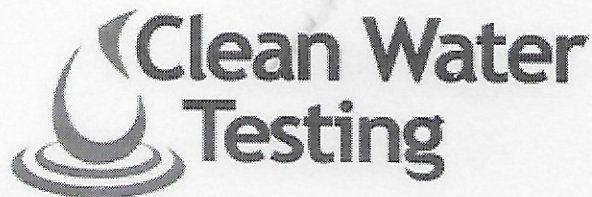
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WI DNR Lab Certification # 445126660

EPA ID# WI 00063

WI Dept of Ag Lab ID # 152673-D3

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1990 Prospect Ct., Appleton, WI 54914 * 800-801-7590

LIEBAU-LAUN
1200 W LIEBAU RD
THIENSVILLE, WI 53092

Home Owner VINTAGE ESTATES
Well ID/Address PUMP HOUSE
Well City
Sample Location SAMPLE TAP WELL HOUSE
Lab # 645699
Collected By/Date A. LIEBAU 6/30/2024

Report Date 12-Jul-24

Analyte	Result	Units	LOD	LOQ	Dil	Dig Date	Run Date	Mthd	Analyst	QC Code
Inorganic										
General										
Nitrite Nitrogen	None Detected	mg/l	0.04	0.13	1	7/2/2024	4500B	MO		1
NITRITE (NO ₂) A small amount of nitrites may be natural, however, elevated levels are a direct indication of raw sewerage, barnyard runoff, or septic saturation. A level of 1 mg/L (part per million) is considered too high for infants or adults to drink.										
Nitrate + Nitrite	None Detected	mg/l	0.08	0.27	1	7/2/2024	4500F	MO		1
(as NO ₃ +NO ₂)...A small amount of nitrate may be natural; however, elevated levels are an indication of nutrients entering the groundwater due to human activity. These nutrients could be generated from a number of sources including septic saturation, barnyard runoff, or over fertilization. The maximum contaminant level set by the EPA is 10 mg/L (part per million).										
Fluoride	1.07	mg/l	0.23	0.77	1	7/3/2024	300.0	AS		1
(F)...Fluoride is natural in water. Levels around 1.0 mg/L are desirable; levels above 4.0 mg/l may stain teeth. Supplements may or may not be necessary for infants depending on the level contained in your water supply.										
Metals										
Thallium	None Detected	ug/L	0.5	1.7	1	7/11/2024	200.9	AS		1
(as total Tl)...Thallium is a metal found in natural deposits as ores containing other elements. The greatest use of thallium is in specialized electronic research equipment. Short-term low level exposure can cause gastrointestinal irritation and nerve damage. Lifetime exposure can damage the liver, kidney and intestinal tissues, and cause hair loss. For these reasons, the EPA has set the maximum contaminant level at 2 ug/L (parts per billion).										
Sodium	41.7	mg/l	0.213	0.71	1	7/2/2024	200.7	TL		1
(as total Na)...Sodium is a common element found in ground water and is an essential nutrient for humans. In large concentration it may affect persons with cardiac difficulties. The EPA has set a health advisory limit for sodium in drinking water for 200 mg/L (parts per million). Elevated levels in well water may indicate agricultural or road salt runoff.										
Selenium	None Detected	ug/l	1.1	3.7	1	7/3/2024	3113B	AS		1
(as total Se)...Selenium is considered an essential trace nutrient for animals and humans. Above trace levels, ingested selenium may be toxic to humans. For these reasons, the EPA has set a maximum contaminant limit in drinking water at 50 ug/L (parts per billion).										

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EPA ID# WI 00063

WI Dept of Ag Lab ID # 152673-D3

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LIEBAU-LAUN
1200 W LIEBAU RD
THIENSVILLE, WI 53092

Home Owner VINTAGE ESTATES
Well ID/Address PUMP HOUSE
Well City
Sample Location SAMPLE TAP WELL HOUSE
Lab # 645699
Collected By/Date A. LIEBAU 6/30/2024

Report Date 12-Jul-24

Analyte	Result	Units	LOD	LOQ	Dil	Dig Date	Run Date	Mthd	Analyst	QC Code
Nickel	None Detected	ug/l	6.6	21.8	1		7/2/2024	200.7	TL	1
(as total Ni)...Nickel is used in metal alloys, magnets, protective coatings, and batteries. Long-term exposure of high levels of nickel has the potential to cause decreased body weight, heart and liver damage, and skin irritation. The EPA had remanded the 100 ug/L MCL of nickel on February 9, 1995. This means that while many water suppliers continue to monitor nickel levels in their water, there is currently no EPA legal limit on the amount of nickel in allowed in drinking water.										
Mercury	None Detected	ug/L	0.1	0.34	1	7/10/2024	7/11/2024	245.1	MO	1
Mercury is found throughout the environment as a result of industrial and agricultural activities. Extensive exposure can produce hallucinations, manic-depressive psychosis. Irreversible brain damage may also result from mercury poisoning. The EPA has set the Maximum Contaminant Level (MCL) for Mercury at 15 ug/l (parts per billion).										
Chromium	None Detected	ug/l	2.3	7.4	1		7/2/2024	200.7	TL	1
(as total Cr) Chromium is used in metal alloys such as stainless steel, and its soluble forms are used in wood preservatives. Chromium is considered an essential trace nutrient for animals and humans; however the hexavalent form chromium has been shown to be carcinogenic. For these reasons, the EPA has set a maximum contaminant limit in drinking water at 100 ug/L (parts per billion) for total chromium.										
Cadmium	None Detected	ug/l	2.7	8.8	1		7/2/2024	200.7	TL	1
(as total Cd) The greatest use of cadmium is primarily for metal plating and coating operations; it is also used in nickel-cadmium and solar batteries and in pigments. Cadmium is extremely toxic and accumulates in the kidneys and liver with prolonged intake at low levels sometimes leading to dysfunction of the kidneys. The EPA primary drinking water standard maximum contaminant limit is 5 ug/L (parts per billion).										
Beryllium	None Detected	ug/l	1.5	4.8	1		7/2/2024	200.7	TL	1
(as total Be) Beryllium occurs in nature as deposits of beryls in granitic rocks. Beryllium is used in metal alloys, x-ray machines, and nuclear reactors. The EPA has set a maximum contaminant limit of 4ug/L (parts per billion) in drinking water due to beryllium's toxicity to humans at low levels.										
Barium	23.5	ug/l	2.3	7.6	1		7/2/2024	200.7	TL	1
(as total Ba) Barium is naturally occurring in groundwater and appears in pockets of elevated levels. High levels of barium have severe toxic effects on the heart, blood vessels and nerves. The EPA has set the maximum contaminant level for barium at 2000 ug/L (parts per billion). Barium is easily removed with a water softener, but will foul the media with time. Both the efficiency of your water softener and the barium levels in your water should be monitored.										



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LIEBAU-LAUN
1200 W LIEBAU RD
THIENSVILLE, WI 53092

Home Owner VINTAGE ESTATES
Well ID/Address PUMP HOUSE
Well City
Sample Location SAMPLE TAP WELL HOUSE
Lab # 645699
Collected By/Date A. LIEBAU 6/30/2024

Report Date 12-Jul-24

Analyte	Result	Units	LOD	LOQ	Dil	Dig Date	Run Date	Mthd	Analyst	QC Code
Arsenic, Total	2.8	ug/l	0.8	2.7	1		7/2/2024	3113B	AS	1
(as total As) Elevated arsenic levels are believed to cause skin cancer, and blood and nervous system disorders. The EPA and the WI DNR consider levels above 10 ug/L (parts per billion) in drinking water harmful.										
Antimony	None Detected	ug/L	1	3.3	1		7/10/2024	3113B	AS	1
(as total Sb)...Antimony is a metal found in natural deposits as ores containing other elements. The most widely used antimony compound is antimony trioxide, used as a flame retardant. It is also found in batteries, pigments, and ceramics/glass. The EPA has set a maximum contaminant limit of 6 ug/L (parts per billion) because antimony is a known human carcinogen.										

LOD Limit of Detection

None Detected = Result was less than the LOD

LOQ Limit of Quantitation

Code

Comment

1

All laboratory QC requirements were met for this sample.

Laboratory Director

Matthew Stone



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LIEBAU-LAUN
1200 W LIEBAU RD
THIENSVILLE, WI 53092

Home Owner VINTAGE ESTATES
Well ID/Address PUMP HOUSE
Well City
Sample Location SAMPLE TAP PUMP HOUSE
Lab # 645700
Collected By/Date A. LIEBAU 6/30/2024

Report Date 12-Jul-24

Analyte	Result	Units	LOD	LOQ	Dil	Dig	Date	Run Date	Mthd	Analyst	QC Code
Organic VOC's											
Dibromochloromethane	None Detected	ug/l	0.57	2.28	1			7/9/2024	524.2	SYN.	1
Benzene	None Detected	ug/l	0.37	1.48	1			7/9/2024	524.2	SYN.	1
1,2-Dichloropropane	None Detected	ug/l	0.29	1.15	1			7/9/2024	524.2	SYN.	1
trans-1,2-Dichloroethene	None Detected	ug/l	0.29	1.17	1			7/9/2024	524.2	SYN.	1
cis-1,2-Dichloroethene	None Detected	ug/l	0.38	1.53	1			7/9/2024	524.2	SYN.	1
1,1-Dichloroethene	None Detected	ug/l	0.28	1.12	1			7/9/2024	524.2	SYN.	1
1,1-Dichloroethane	None Detected	ug/l	0.42	1.69	1			7/9/2024	524.2	SYN.	1
1,2-Dichloroethane	None Detected	ug/l	0.34	1.34	1			7/9/2024	524.2	SYN.	1
Dichlorodifluoromethane	None Detected	ug/l	0.23	0.91	1			7/9/2024	524.2	SYN.	1
1,2-Dichlorobenzene	None Detected	ug/l	0.29	1.18	1			7/9/2024	524.2	SYN.	1
1,3-Dichlorobenzene	None Detected	ug/l	0.32	1.27	1			7/9/2024	524.2	SYN.	1
1,3-Dichloropropane	None Detected	ug/l	0.25	1	1			7/9/2024	524.2	SYN.	1
Dibromomethane	None Detected	ug/l	0.36	1.42	1			7/9/2024	524.2	SYN.	1
trans-1,3-Dichloropropene	None Detected	ug/l	0.32	1.3	1			7/9/2024	524.2	SYN.	1
4-Chlorotoluene	None Detected	ug/l	0.27	1.09	1			7/9/2024	524.2	SYN.	1
2-Chlorotoluene	None Detected	ug/l	0.29	1.15	1			7/9/2024	524.2	SYN.	1
Chloromethane	None Detected	ug/l	0.52	2.09	1			7/9/2024	524.2	SYN.	1
Chloroform	None Detected	ug/l	0.34	1.36	1			7/9/2024	524.2	SYN.	1
Chloroethane	None Detected	ug/l	0.51	2.03	1			7/9/2024	524.2	SYN.	1
Chlorobenzene	None Detected	ug/l	0.23	0.93	1			7/9/2024	524.2	SYN.	1
Carbon Tetrachloride	None Detected	ug/l	0.39	1.55	1			7/9/2024	524.2	SYN.	1
Bromomethane	None Detected	ug/l	0.72	2.9	1			7/9/2024	524.2	SYN.	1
Bromoform	None Detected	ug/l	0.57	2.29	1			7/9/2024	524.2	SYN.	1
Bromodichloromethane	None Detected	ug/l	0.33	1.31	1			7/9/2024	524.2	SYN.	1
Bromobenzene	None Detected	ug/l	0.29	1.16	1			7/9/2024	524.2	SYN.	1

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EPA ID# WI 00063

WI Dept of Ag Lab ID # 152673-D3

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1990 Prospect Ct., Appleton, WI 54914 * 800-801-7590

LIEBAU-LAUN
1200 W LIEBAU RD
THIENSVILLE, WI 53092

Home Owner VINTAGE ESTATES
Well ID/Address PUMP HOUSE
Well City
Sample Location SAMPLE TAP PUMP HOUSE
Lab # 645700
Collected By/Date A. LIEBAU 6/30/2024

Report Date 12-Jul-24

Analyte	Result	Units	LOD	LOQ	Dil	Dig	Date	Run Date	Mthd	Analyst	QC Code
1,4-Dichlorobenzene	None Detected	ug/l	0.35	1.41	1			7/9/2024	524.2	SYN.	1
Tetrachloroethene	None Detected	ug/l	0.3	1.19	1			7/9/2024	524.2	SYN.	1
m&p-Xylene	None Detected	ug/l	0.68	2.73	1			7/9/2024	524.2	SYN.	1
Vinyl Chloride	None Detected	ug/l	0.14	0.56	1			7/9/2024	524.2	SYN.	1
1,3,5-Trimethylbenzene	None Detected	ug/l	0.28	1.13	1			7/9/2024	524.2	SYN.	1
1,2,4-Trimethylbenzene	None Detected	ug/l	0.28	1.13	1			7/9/2024	524.2	SYN.	1
1,2,3-Trichloropropane	None Detected	ug/l	0.32	1.27	1			7/9/2024	524.2	SYN.	1
Trichlorofluoromethane	None Detected	ug/l	0.46	1.83	1			7/9/2024	524.2	SYN.	1
Trichloroethene (TCE)	None Detected	ug/l	0.3	1.19	1			7/9/2024	524.2	SYN.	1
1,1,2-Trichloroethane	None Detected	ug/l	0.29	1.14	1			7/9/2024	524.2	SYN.	1
1,1,1-Trichloroethane	None Detected	ug/l	0.38	1.51	1			7/9/2024	524.2	SYN.	1
1,1-Dichloropropene	None Detected	ug/l	0.32	1.28	1			7/9/2024	524.2	SYN.	1
2,2-Dichloropropane	None Detected	ug/l	0.67	2.68	1			7/9/2024	524.2	SYN.	1
Toluene	None Detected	ug/l	0.28	1.11	1			7/9/2024	524.2	SYN.	1
o-Xylene	None Detected	ug/l	0.28	1.13	1			7/9/2024	524.2	SYN.	1
1,1,1,2-Tetrachloroethane	None Detected	ug/l	0.27	1.07	1			7/9/2024	524.2	SYN.	1
1,1,2,2-Tetrachloroethane	None Detected	ug/l	0.31	1.22	1			7/9/2024	524.2	SYN.	1
Styrene	None Detected	ug/l	0.29	1.15	1			7/9/2024	524.2	SYN.	1
Naphthalene	None Detected	ug/l	0.55	2.22	1			7/9/2024	524.2	SYN.	1
Methyl tert-butyl ether (MTBE)	None Detected	ug/l	0.29	1.14	1			7/9/2024	524.2	SYN.	1
Methylene chloride	None Detected	ug/l	0.46	1.84	1			7/9/2024	524.2	SYN.	1
p-Isopropyltoluene	None Detected	ug/l	0.22	0.88	1			7/9/2024	524.2	SYN.	1
Isopropylbenzene	None Detected	ug/l	0.26	1.03	1			7/9/2024	524.2	SYN.	1
Hexachlorobutadiene	None Detected	ug/l	0.58	2.31	1			7/9/2024	524.2	SYN.	1
Ethylbenzene	None Detected	ug/l	0.23	0.94	1			7/9/2024	524.2	SYN.	1
cis-1,3-Dichloropropene	None Detected	ug/l	0.33	1.3	1			7/9/2024	524.2	SYN.	1

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