



- CONSULTANTS
- ENVIRONMENTAL
- GEOTECHNICAL
- MATERIALS
- FORENSICS

October 17, 2018

WDNR  
1300 W. Clairemont Avenue  
Eau Claire, WI 54701

Attn: Stacy Steinke  
Submitted via Email: [stacy.steinke@wisconsin.gov](mailto:stacy.steinke@wisconsin.gov)

Re: Laboratory results from one of the potable wells at the DairiConcepts site,  
W888 Chili Road, Chili, Clark County, Wisconsin.  
AET Project #03-05510. **WDNR BRRTS #03-10-545212.**  
PECFA #54420-9999-88.

Dear Ms. Steinke:

Enclosed are the most recent laboratory results from one of the potable wells at the DairiConcepts site. Well PW-1 (WI ID #IY805) is from the DairiConcepts facility.

No volatile organic compounds (VOCs) were detected in the well at concentrations exceeding drinking water standards.

If you have any questions, please give me a call.

Sincerely,

A handwritten signature in blue ink that reads 'Michael K. Neal'.

Michael K. Neal, Professional Hydrologist  
Geomorphologist

Phone: 715-861-5045  
Cell Phone: 715-894-6455  
Email: [mneal@amengtest.com](mailto:mneal@amengtest.com)



cc: Stacy Doing, DFA, [sdoing@dfamilk.com](mailto:sdoing@dfamilk.com)  
Steve Moore, DFA, [smoore@dfamilk.com](mailto:smoore@dfamilk.com)  
Travis Humphrey, DairiConcepts, [thumphrey@dairiconcepts.com](mailto:thumphrey@dairiconcepts.com)  
Gina Keenan, WDNR, [gina.keenan@wisconsin.gov](mailto:gina.keenan@wisconsin.gov)

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

TestAmerica Job ID: 500-152758-1  
Client Project/Site: Dairi Concepts - 03-05510

For:  
American Engineering Testing Inc.  
1837 Cty Hwy OO  
Chippewa Falls, Wisconsin 54729

Attn: Mr. Michael Neal



Authorized for release by:  
10/16/2018 1:53:52 PM

Sandie Fredrick, Project Manager II  
(920)261-1660

**REVIEWED**

By mneal at 2:19 pm, Oct 16, 2018

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Client Sample Results

Client: American Engineering Testing Inc.  
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-152758-1

**Client Sample ID: PW-1**

**Lab Sample ID: 500-152758-10**

**Date Collected: 10/03/18 12:30**

**Matrix: Water**

**Date Received: 10/06/18 11:30**

**Method: 524.2 - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.14		0.50	0.14	ug/L			10/13/18 05:10	1
1,1,1-Trichloroethane	<0.21		0.50	0.21	ug/L			10/13/18 05:10	1
1,1,2,2-Tetrachloroethane	<0.070		0.50	0.070	ug/L			10/13/18 05:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.17		0.50	0.17	ug/L			10/13/18 05:10	1
1,1,2-Trichloroethane	<0.17		0.50	0.17	ug/L			10/13/18 05:10	1
1,1-Dichloroethane	<0.18		0.50	0.18	ug/L			10/13/18 05:10	1
1,1-Dichloroethene	<0.16		0.50	0.16	ug/L			10/13/18 05:10	1
1,1-Dichloropropene	<0.063		0.50	0.063	ug/L			10/13/18 05:10	1
1,2,3-Trichlorobenzene	<0.16		0.50	0.16	ug/L			10/13/18 05:10	1
1,2,3-Trichloropropane	<0.12		0.50	0.12	ug/L			10/13/18 05:10	1
1,2,4-Trichlorobenzene	<0.13		0.50	0.13	ug/L			10/13/18 05:10	1
<b>1,2,4-Trimethylbenzene</b>	<b>0.73</b>		0.50	0.090	ug/L			10/13/18 05:10	1
1,2-Dichlorobenzene	<0.16		0.50	0.16	ug/L			10/13/18 05:10	1
1,2-Dichloroethane	<0.14		0.50	0.14	ug/L			10/13/18 05:10	1
1,2-Dichloropropane	<0.11		0.50	0.11	ug/L			10/13/18 05:10	1
<b>1,3,5-Trimethylbenzene</b>	<b>0.40 J</b>		0.50	0.13	ug/L			10/13/18 05:10	1
1,3-Dichlorobenzene	<0.13		0.50	0.13	ug/L			10/13/18 05:10	1
1,3-Dichloropropane	<0.15		0.50	0.15	ug/L			10/13/18 05:10	1
1,4-Dichlorobenzene	<0.13		0.50	0.13	ug/L			10/13/18 05:10	1
2,2-Dichloropropane	<0.35		0.50	0.35	ug/L			10/13/18 05:10	1
2-Butanone (MEK)	<1.0		5.0	1.0	ug/L			10/13/18 05:10	1
2-Chlorotoluene	<0.12		0.50	0.12	ug/L			10/13/18 05:10	1
2-Hexanone	<1.0		5.0	1.0	ug/L			10/13/18 05:10	1
4-Chlorotoluene	<0.15		0.50	0.15	ug/L			10/13/18 05:10	1
4-Isopropyltoluene	<0.063		0.50	0.063	ug/L			10/13/18 05:10	1
4-Methyl-2-pentanone (MIBK)	<1.0		5.0	1.0	ug/L			10/13/18 05:10	1
<b>Acetone</b>	<b>1.1 J</b>		5.0	1.0	ug/L			10/13/18 05:10	1
Acrylonitrile	<2.2		10	2.2	ug/L			10/13/18 05:10	1
Allyl chloride	<0.22		0.50	0.22	ug/L			10/13/18 05:10	1
Benzene	<0.13		0.50	0.13	ug/L			10/13/18 05:10	1
Bromobenzene	<0.13		0.50	0.13	ug/L			10/13/18 05:10	1
Bromochloromethane	<0.11		0.50	0.11	ug/L			10/13/18 05:10	1
Bromoform	<0.13		0.50	0.13	ug/L			10/13/18 05:10	1
Bromomethane	<0.23		0.50	0.23	ug/L			10/13/18 05:10	1
Carbon disulfide	<0.15		0.50	0.15	ug/L			10/13/18 05:10	1
Carbon tetrachloride	<0.21		0.50	0.21	ug/L			10/13/18 05:10	1
Chlorobenzene	<0.12		0.50	0.12	ug/L			10/13/18 05:10	1
Chlorodibromomethane	<0.16		0.50	0.16	ug/L			10/13/18 05:10	1
Chloroethane	<0.20		0.50	0.20	ug/L			10/13/18 05:10	1
<b>Chloroform</b>	<b>2.5</b>		0.50	0.14	ug/L			10/13/18 05:10	1
Chloromethane	<0.17		0.50	0.17	ug/L			10/13/18 05:10	1
cis-1,2-Dichloroethene	<0.12		0.50	0.12	ug/L			10/13/18 05:10	1
cis-1,3-Dichloropropene	<0.080		0.50	0.080	ug/L			10/13/18 05:10	1
Dibromomethane	<0.17		0.50	0.17	ug/L			10/13/18 05:10	1
Dichlorobromomethane	<0.14		0.50	0.14	ug/L			10/13/18 05:10	1
Dichlorodifluoromethane	<0.15		0.50	0.15	ug/L			10/13/18 05:10	1
Dichlorofluoromethane	<0.13		0.50	0.13	ug/L			10/13/18 05:10	1
Ethyl ether	<0.12		0.50	0.12	ug/L			10/13/18 05:10	1
Ethylbenzene	<0.11		0.50	0.11	ug/L			10/13/18 05:10	1

TestAmerica Chicago

# Client Sample Results

Client: American Engineering Testing Inc.  
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-152758-1

**Client Sample ID: PW-1**

**Lab Sample ID: 500-152758-10**

**Date Collected: 10/03/18 12:30**

**Matrix: Water**

**Date Received: 10/06/18 11:30**

**Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	<0.11		0.50	0.11	ug/L			10/13/18 05:10	1
Iodomethane	<0.15		0.50	0.15	ug/L			10/13/18 05:10	1
Isopropylbenzene	<0.16		0.50	0.16	ug/L			10/13/18 05:10	1
Methyl tert-butyl ether	<0.12		0.50	0.12	ug/L			10/13/18 05:10	1
Methylene Chloride	<0.99	*	2.5	0.99	ug/L			10/13/18 05:10	1
m-Xylene & p-Xylene	<0.30		1.0	0.30	ug/L			10/13/18 05:10	1
Naphthalene	<0.15		0.50	0.15	ug/L			10/13/18 05:10	1
n-Butylbenzene	<0.081		0.50	0.081	ug/L			10/13/18 05:10	1
N-Propylbenzene	<0.13		0.50	0.13	ug/L			10/13/18 05:10	1
o-Xylene	<0.12		0.50	0.12	ug/L			10/13/18 05:10	1
sec-Butylbenzene	<0.068		0.50	0.068	ug/L			10/13/18 05:10	1
Styrene	<0.13		0.50	0.13	ug/L			10/13/18 05:10	1
t-Butanol	<2.5		10	2.5	ug/L			10/13/18 05:10	1
tert-Butylbenzene	<0.060		0.50	0.060	ug/L			10/13/18 05:10	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			10/13/18 05:10	1
Toluene	<0.10		0.50	0.10	ug/L			10/13/18 05:10	1
trans-1,2-Dichloroethene	<0.13		0.50	0.13	ug/L			10/13/18 05:10	1
trans-1,3-Dichloropropene	<0.10		0.50	0.10	ug/L			10/13/18 05:10	1
trans-1,4-Dichloro-2-butene	<1.3		2.5	1.3	ug/L			10/13/18 05:10	1
Trichloroethene	<0.18		0.50	0.18	ug/L			10/13/18 05:10	1
Trichlorofluoromethane	<0.19		0.50	0.19	ug/L			10/13/18 05:10	1
<b>Trihalomethanes, Total</b>	<b>2.5</b>		2.0	1.0	ug/L			10/13/18 05:10	1
Vinyl acetate	<0.45		2.5	0.45	ug/L			10/13/18 05:10	1
Vinyl chloride	<0.18		0.50	0.18	ug/L			10/13/18 05:10	1
Xylenes, Total	<0.12		1.0	0.12	ug/L			10/13/18 05:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4	105		80 - 120		10/13/18 05:10	1
4-Bromofluorobenzene (Surr)	94		80 - 120		10/13/18 05:10	1

# Definitions/Glossary

Client: American Engineering Testing Inc.  
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-152758-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.

### GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference# 18174003

## Chain of Custody Record

Lab Job #: 500-152758  
 Chain of Custody Number: \_\_\_\_\_  
 Page 1 of 1  
 Temperature °C of Cooler: 1.3

Client <u>AET</u>		Client Project # <u>03-05510</u>		Preservative		Parameter		Project Name		Project Location/State		Sampler		Lab Project #		Lab PM		Preservative Key		
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	PVOC + Naphthalene	VOCs	524.2										1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
			Date	Time																Comments
1		MW-1A	10-3-18	9:30	3	W	X													
2		MW-3A		11:30	3	W	X													
3		MW-4R		11:15	3	W	X													
4		MW-4A		11:00	3	W	X													
5		MW-5A		10:30	3	W	X													
6		MW-7		9:00	3	W	X													
7		MW-W		10:00	3	W	X													
8		MW-10		12:00	3	W	X													
9		Trip Blnk		-	1	W	X													
10		PW-1		12:30	3	W		X												



500-152758 COC

Turnaround Time Required (Business Days)  
 \_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days \_\_\_ 7 Days \_\_\_ 10 Days 15 Days \_\_\_ Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u> Company <u>AET</u> Date <u>10-3-18</u> Time <u>15:00</u>	Received By <u>FedEx</u> Company _____ Date _____ Time _____
Relinquished By _____ Company _____ Date _____ Time _____	Received By <u>[Signature]</u> Company <u>TAMTE</u> Date <u>10/06/18</u> Time <u>11:30</u>
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____

Lab Courier \_\_\_\_\_  
 Shipped EXSATURDAY  
 Hand Delivered \_\_\_\_\_

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments: