



TETRA TECH

1837 County Hwy OO  
Chippewa Falls, WI 54729-6519

(715) 832-0282  
Fax (715) 832-0541



May 29, 2007

Nadene Cable  
WDNR  
810 W. Maple Street  
Spooner, WI 54801

Re: Laboratory results from the off-site private drinking well at the Moose Junction Lounge site, 13195 State Highway 35 S, Dairyland, Douglas County, Wisconsin.  
**WDNR BRRTS #03-16-000301.** WDCOM #54830-9999-97A.  
Tetra Tech Project #1157332776.

Dear Ms. Cable:

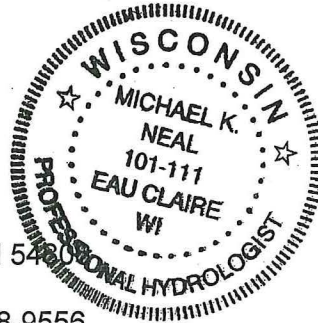
Enclosed are the most recent laboratory results from the off-site potable well at the Moose Junction Lounge site. PW-2 is a sample collected from the Swenson Residence potable well.

Only ethylbenzene (0.42 ppb) was detected in the Swenson well at a concentration exceeding laboratory detection limits. No other volatile organic compounds (VOCs) were detected at concentrations above laboratory detection limits.

If you have any questions, please contact Eric P. Oleson at 715-832-0282.

Sincerely,

Michael K. Neal, Professional Hydrologist  
Geomorphologist



cc: Chris Saari, WDNR, 2501 Golf Course Road, Ashland, WI 54801

Trent E. Sprague, 2116 16 1/2 Street, Rice Lake, WI 54868-9556

Will Myers, WDCOM, P.O. Box 8044, Madison, WI 53708-8044

Conrad E. Swenson, 2794 E. Moose Road, Dairyland, WI 54830

File

MKN:mkn

# SIEMENS

May 23, 2007

Tetra Tech., Inc.  
1837 County Highway 00  
Chippewa Falls, WI 54729

Attn: Michael Neal

**REPORT NO.: 0705287**

**PROJECT NO.: Moose Jnt Lounge**

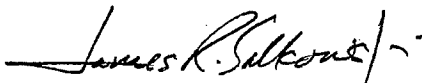
Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received May 17, 2007.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Water Technologies for your analytical needs.

Sincerely,

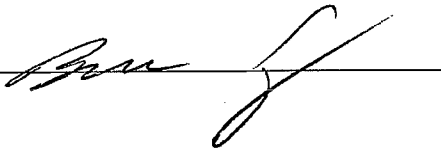
Siemens Water Technologies



James Salkowski  
Lab Director  
Enviroscan Analytical™ Services

*I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Water Technologies Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Water Technologies Corp. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.*

Approved by: \_\_\_\_\_



**Certifications:**

Wisconsin 737053130  
Minnesota 055-999-302  
Illinois 100317



Siemens Water Technologies Corp.

301 West Military Road  
Rothschild, WI 54474

Tel: 800-338-7226  
Fax: 715-355-3221  
[www.enviroscan.usfilter.com](http://www.enviroscan.usfilter.com)

# SIEMENS

## SAMPLE SUMMARY

<u>Lab Id</u>	<u>Client Sample Id</u>	<u>Date/Time</u>	<u>Matrix</u>
0705287-01	PW-2	05/15/07 16:00	Drinking Water
0705287-02	Trip Blank	05/15/07 00:00	Water

# SIEMENS

Tetra Tech., Inc.  
1837 County Highway 00  
Chippewa Falls, WI 54729

PROJECT NO. : Moose Jnt Lounge  
REPORT NO. : 0705287  
DATE REC'D 05/17/07 17:28  
REPORT DATE : 05/23/07 11:19  
PREPARED BY : JRS

Attn: Michael Neal

Sample ID: PW-2

Matrix: Drinking Water

Sample Date/Time: 05/15/07 16:00

Lab No. : 0705287-01

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution</u> <u>Factor</u>	<u>Qualifiers</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
<b>EPA 524.2</b>								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,1,1-Trichloroethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,1,2,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		05/22/07	MRD
1,1,2-Trichloroethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,1-Dichloroethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		05/22/07	MRD
1,1-Dichloropropylene	ND	ug/L	0.30	1.00	1		05/22/07	MRD
1,2,3-Trichloropropane	ND	ug/L	0.60	2.00	1		05/22/07	MRD
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		05/22/07	MRD
1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		05/22/07	MRD
1,2-Dichloroethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,2-Dichloropropane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		05/22/07	MRD
2,2-Dichloropropane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
2-Chlorotoluene	ND	ug/L	0.10	0.50	1		05/22/07	MRD
4-Chlorotoluene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
4-Isopropyltoluene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Benzene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Bromobenzene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Bromodichloromethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Bromoform	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Bromomethane	ND	ug/L	0.50	1.67	1		05/22/07	MRD
Carbon Tetrachloride	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Chlorobenzene	ND	ug/L	0.10	0.50	1		05/22/07	MRD
Chloroethane	ND	ug/L	0.60	2.00	1		05/22/07	MRD
Chloroform	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Chloromethane	ND	ug/L	0.30	1.00	1		05/22/07	MRD
cis-1,2-Dichloroethylene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Dibromochloromethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Dibromomethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		05/22/07	MRD

# SIEMENS

Tetra Tech., Inc.  
 1837 County Highway 00  
 Chippewa Falls, WI 54729

PROJECT NO. : Moose Jnt Lounge  
 REPORT NO. : 0705287  
 DATE REC'D 05/17/07 17:28  
 REPORT DATE : 05/23/07 11:19  
 PREPARED BY : JRS

Attn: Michael Neal

Sample ID: PW-2

Matrix: Drinking Water

Sample Date/Time: 05/15/07 16:00

Lab No. : 0705287-01

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution</u> <u>Factor</u>	<u>Qualifiers</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
<b><u>EPA 524.2 Continued</u></b>								
Ethylbenzene	0.42	ug/L	0.10	0.50	1	J	05/22/07	MRD
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		05/22/07	MRD
Isopropylbenzene (Cumene)	ND	ug/L	0.10	0.50	1		05/22/07	MRD
Methylene Chloride	ND	ug/L	0.40	1.30	1		05/22/07	MRD
Methyl-tert-Butyl Ether	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Naphthalene	ND	ug/L	1.00	3.30	1		05/22/07	MRD
Styrene	ND	ug/L	0.10	0.50	1		05/22/07	MRD
Tetrachloroethene	ND	ug/L	0.30	1.00	1		05/22/07	MRD
Toluene	ND	ug/L	0.40	1.30	1		05/22/07	MRD
trans-1,2-Dichloroethylene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
trans-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Trichloroethene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Vinyl chloride	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		05/22/07	MRD

# SIEMENS

Tetra Tech., Inc.  
1837 County Highway 00  
Chippewa Falls, WI 54729

PROJECT NO. : Moose Jnt Lounge  
REPORT NO. : 0705287  
DATE REC'D 05/17/07 17:28  
REPORT DATE : 05/23/07 11:19  
PREPARED BY : JRS

Attn: Michael Neal

Sample ID: Trip Blank

Matrix: Water

Sample Date/Time: 05/15/07 0:00

Lab No. : 0705287-02

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
<b>EPA 524.2</b>								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,1,1-Trichloroethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,1,2,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		05/22/07	MRD
1,1,2-Trichloroethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,1-Dichloroethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		05/22/07	MRD
1,1-Dichloropropylene	ND	ug/L	0.30	1.00	1		05/22/07	MRD
1,2,3-Trichloropropane	ND	ug/L	0.60	2.00	1		05/22/07	MRD
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		05/22/07	MRD
1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		05/22/07	MRD
1,2-Dichloroethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,2-Dichloropropane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		05/22/07	MRD
2,2-Dichloropropane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
2-Chlorotoluene	ND	ug/L	0.10	0.50	1		05/22/07	MRD
4-Chlorotoluene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
4-Isopropyltoluene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Benzene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Bromobenzene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Bromodichloromethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Bromoform	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Bromomethane	ND	ug/L	0.50	1.67	1		05/22/07	MRD
Carbon Tetrachloride	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Chlorobenzene	ND	ug/L	0.10	0.50	1		05/22/07	MRD
Chloroethane	ND	ug/L	0.60	2.00	1		05/22/07	MRD
Chloroform	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Chloromethane	ND	ug/L	0.30	1.00	1		05/22/07	MRD
cis-1,2-Dichloroethylene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Dibromochloromethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Dibromomethane	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		05/22/07	MRD

# SIEMENS

Tetra Tech., Inc.  
1837 County Highway 00  
Chippewa Falls, WI 54729

PROJECT NO. : Moose Jnt Lounge  
REPORT NO. : 0705287  
DATE REC'D 05/17/07 17:28  
REPORT DATE : 05/23/07 11:19  
PREPARED BY : JRS

Attn: Michael Neal

Sample ID: Trip Blank

Matrix: Water

Sample Date/Time: 05/15/07 0:00

Lab No. : 0705287-02

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 524.2 Continued</u></b>								
Ethylbenzene	ND	ug/L	0.10	0.50	1		05/22/07	MRD
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		05/22/07	MRD
Isopropylbenzene (Cumene)	ND	ug/L	0.10	0.50	1		05/22/07	MRD
Methylene Chloride	ND	ug/L	0.40	1.30	1		05/22/07	MRD
Methyl-tert-Butyl Ether	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Naphthalene	ND	ug/L	1.00	3.30	1		05/22/07	MRD
Styrene	ND	ug/L	0.10	0.50	1		05/22/07	MRD
Tetrachloroethene	ND	ug/L	0.30	1.00	1		05/22/07	MRD
Toluene	ND	ug/L	0.40	1.30	1		05/22/07	MRD
trans-1,2-Dichloroethylene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
trans-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Trichloroethene	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Vinyl chloride	ND	ug/L	0.20	0.67	1		05/22/07	MRD
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		05/22/07	MRD

# SIEMENS

## Qualifier Descriptions

J Estimated concentration below laboratory quantitation level.

## Definitions

LOD = Limit of Detection (Dilution Corrected)  
LOQ = Limit of Quantitation (Dilution Corrected)  
ND = Not Detected  
COMP = Complete  
SUBCON = Subcontracted analysis  
mv = millivolts  
pci/L = picocuries per Liter  
mL/L = milliliters per Liter  
mg = milligram

ug/l = Micrograms per Liter = parts per billion (ppb)  
ug/kg = Micrograms per kilogram = parts per billion (ppb)  
mg/l = Milligrams per liter = parts per million (ppm)  
mg/kg = Milligrams per kilogram = parts per million (ppm)  
NOT PRES = Not Present  
ppth = Parts per thousand  
\* = Result outside established limits.  
mg/m<sup>3</sup> = Milligrams per meter cubed  
ng/L = Nanograms per Liter = Parts per trillion (ppt)  
> = Greater Than

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021 methanol and WI DNR methylene chloride preserved soils being reported to the State of Wisconsin.

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.



# SIEMENS

Company Name <b>Tetra Tech.</b>		Project <b>Moose Junction 7332776</b>	
Report Mailing Address <b>Cypress Falls</b>		Contact Name, Phone, Fax, Email <b>Mike Neal</b>	
Invoice Address		Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other: \_\_\_\_\_

Wis. PECFA Project subject to U&C? Yes No

For Compliance Monitoring? Yes No State: \_\_\_\_\_  
(If Yes, please specify Agency or Regulation) Agency/Reg.: \_\_\_\_\_

Turnaround Request:  Normal (10 Bus. Days)  
 Rush (Must be pre-approved by Lab and is subject to surcharges)  
Date Needed: \_\_\_\_\_

WO No. **0705287**

Analyses Requested										Lab Use Only		
VOC 524										Delivered by:	Walk-in	Source
										Ship. Cont. OK?	<input checked="" type="radio"/> Y	<input type="radio"/> N NA
										Samples Leaking?	<input checked="" type="radio"/> Y	<input type="radio"/> N NA
										Seals OK?	<input checked="" type="radio"/> Y	<input type="radio"/> N NA
										Rec'd on Ice?	<input checked="" type="radio"/> Y	<input type="radio"/> N NA
										Sample Receiving Comments:		
										3:00		
										Comments		
										4/12/07		
										Critical Trip Blank, no info		

Spec. del

Lab Use Only	Sample		No. of Containers		Sample ID
	Date	Time	Comp	Grab	
-1	5/15/07	4:00		4	PW-2
-2				1	Trip Blank

Test Am 4-12-07

**Chain of Custody Record**

Relinquished By:	Date	Time	Received By:
<i>[Signature]</i>	5/14/07	5:00	
	5/17/07	1:28	<i>[Signature]</i>