TETRA TECH

03-16-000301

GROUNDWATER MONITORING REPORT

MOOSE JUNCTION LOUNGE SITE
13195 STATE HIGHWAY 35S
DAIRYLAND, WISCONSIN

Tetra Tech #1157332776
January 21, 2008

complex world CLEAR SOLUTIONS™

TETRA TECH

1837 County Highway OO
Chippewa Falls, WI 54729-6519

Office 715.832.0282
Fax 715.832.0541

January 21, 2008

Chris Saari
WDNR
2501 Golf Road
Ashland, WI 54806

Re: Groundwater Monitoring Report for the Moose Junction Lounge Site, 13195 State Highway 35S, Dairyland, Douglas County, Wisconsin. **WDNR BRRTS #03-16-000301.** WDCOM #54830-9999-97. Tetra Tech Project No. 1157332739.

Dear Mr. Saari:

This report documents well installation and groundwater sampling at the Moose Junction Lounge site, 13195 State Highway 35S, Dairyland, Wisconsin. See Figure 1.

The results of our investigation indicate that petroleum contaminated soil is present on-site in the area of a previous petroleum underground storage tank (UST) system at levels exceeding the Wisconsin Department of Natural Resources (WDNR) NR 720 generic residual contaminant levels (RCLs) and NR 746 Table 1 values.

Groundwater monitoring shows that petroleum constituents remain present off-site at concentrations exceeding NR 140 enforcement standards (ESs). Petroleum constituents continue to decrease in monitoring well MW-2. Mann-Kendal tests confirm the decreasing trend. Downgradient potable and monitoring wells do not have petroleum constituent present exceeding Wisconsin Administrative Code NR 140 preventive action limits (PALs).

There are three environmental factors as outlined in NR 746 including soil constituents exceeding Table 1 levels, the petroleum release is greater than 10 years old, and an ES exceedance within 1,000 feet of a potable well used to provide water for human consumption.

Based on these results, Tetra Tech recommends that the WDNR review the site for closure with a GIS Registry listing including a maintenance cap. Tetra Tech will request a bid modification to complete a closure request and GIS packet.

Purpose and Scope

This report documents results of groundwater sampling events completed in April, August, and October 2007.

Well Installation and Groundwater Testing Methods

Tetra Tech installed and developed one groundwater monitoring well within the WDOT right of way on the west side of State Highway 35 approximately 100 feet south-southeast of monitoring well MW-2. The well depth is approximately 15 feet below ground surface (bgs) and screened from 5 to 15 feet bgs. The well was installed and developed according to Chapter NR 141 of the Wisconsin Administrative Code and shown in Figure 2.

Tetra Tech collected three rounds of groundwater samples from four wells by purging each monitoring well and collecting a sample using a disposable bailer. Bailer contents were emptied into the appropriately preserved containers, and all samples were packed in a cooler and shipped with the chain of custody record. Groundwater samples collected were analyzed for petroleum volatile organic compounds (PVOCs) plus naphthalene. Groundwater samples were collected from two potable wells and analyzed for volatile organic compounds (VOCs) using EPA Method 524.2. The samples were shipped to Test America, Watertown, Wisconsin.

Appendix A contains groundwater sampling procedures. Appendix B contains monitoring well construction form (Form 4400-113A) and well development form (Form 4400-113B).

Recent Results

The WDNR established groundwater PALs and ESs for selected compounds that are listed in Wisconsin Administrative Code NR 140. If a constituent concentration exceeds the PAL, the WDNR may require monitoring or additional investigation. If the concentration exceeds the ES, the WDNR may require monitoring or remediation.

A benzene concentration above its ES of 5 ppb was detected in monitoring well MW-2 (170 parts per billion [ppb]).

Naphthalene (20 ppb), toluene (450 ppb), and total trimethylbenzenes (TMBs) (181 ppb) were detected in monitoring well MW-2 at concentrations above their respective PALs.

No PVOCs were detected in the remaining groundwater monitoring wells at concentrations exceeding laboratory detection limits. No VOCs were detected in the on and off site potable wells sampled at concentrations exceeding their respective PALs.

Groundwater analytical results are summarized in Table 1 and depicted in Figures 2 through 4. Complete laboratory results are included in Appendix C.

Natural Attenuation Monitoring

Mann-Kendall Tests

We calculated the stability of the groundwater plume at MW-2 using the Mann-Kendall statistical test (WDNR Form 4400-215) to determine trends in the groundwater quality in monitoring well MW-2. The groundwater plume is decreasing in well MW-2. Appendix D includes copies of the Mann-Kendall Statistical tests for the wells.

Risk Assessment

Tetra Tech completed a risk analysis based on the criteria outlined in Wisconsin Administrative Code Chapter 746. We evaluated the criteria to determine the appropriate remedial approach for the site. Based on our evaluation the following risks exist at the site:

- 746.06(2) (b) – Soil constituents exceed Table 1 levels.
- 746.06(2) (f) – The petroleum release is greater than 10 years old.
- 746.06(2) (i) – ES exceedance 1,000 feet of well used for human consumption.

Appendix E includes a complete NR 746 analysis.

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Conclusions and Recommendations

The results of our investigation indicate that petroleum contaminated soil is present on the Moose Junction Lounge property in the area of a previous petroleum UST system at levels exceeding the WDNR NR 720 generic RCLs and NR 746 Table 1 values.

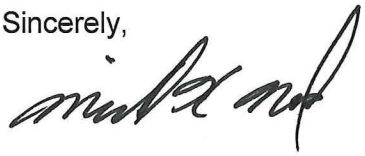
Groundwater monitoring shows that petroleum constituents remain present off-site at concentrations exceeding NR 140 ESs and continue to decrease in monitoring well MW-2. Mann-Kendal tests confirm the decreasing trend. Downgradient potable and monitoring wells do not have petroleum constituent present exceeding Wisconsin Administrative Code NR 140 PALs.

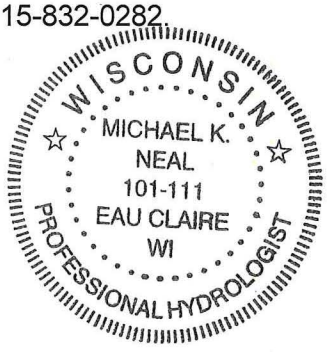
Besides the groundwater and water supply pathways, there are no other pathways or receptors, such as surface waters, sensitive environments, utility trenches, or plant uptake and food chain, through which petroleum can move. There are three environmental factors as outlined in NR 746 including soil constituents exceeding Table 1 levels, the petroleum release is greater than 10 years old, and an ES exceedance within 1,000 feet of a potable well used to provide water for human consumption.

Based on these results, Tetra Tech recommends that the WDNR review the site for closure with a GIS Registry listing including a maintenance cap. Tetra Tech will request a bid modification to complete a closure request and GIS packet.

If you have any questions, I can be reached at 715-832-0282.

Sincerely,



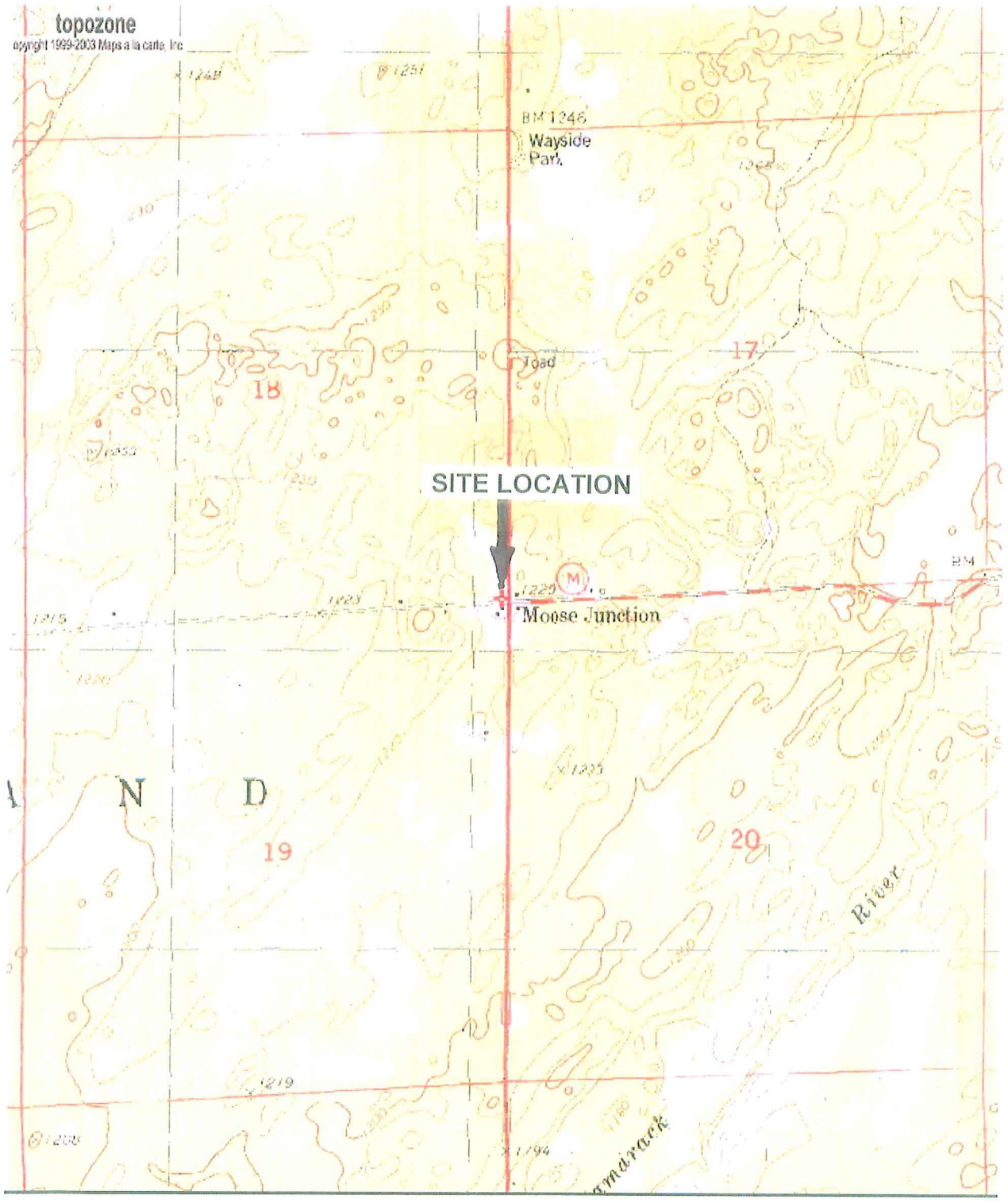


Michael K. Neal, Professional Hydrologist
Geomorphologist

Eric P. Oleson, Environmental Department Manager

cc: Trent E. Sprague, 2116 16 ½ Street, Rice Lake, WI 54868-9556

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



TETRA TECH Chippewa Falls, WI	**FIGURE 1** SITE LOCATION MAP MOOSE JUNCTION LOUNGE SITE DAIRYLAND, WISCONSIN	PROJECT# 1157332779 DATE: 6/1/2007 REV. BY: EPO SCALE: 1" = 24,000

TABLE 1 (page 1 of 6)
ANALYTICAL RESULTS - GROUNDWATER
MOOSE JUNCTION LOUNGE SITE, DAIRYLAND, WISCONSIN

	MW-1							NR 140 Remedial Action Limits	
Date	Nov-93	Mar-94	Nov-03	Apr-06	Apr-07	Aug-07	Oct-07		
Relative Elevation (ft)	---	---	---	---	1231.52	1227.79	1231.08		
ANALYTE								*ES*	*PAL*
VOCs/PVOCs (ppb)									
Benzene	**48.0**	***212***	***8***	< 0.1	< 0.25	< 0.25	<0.25	*5*	*0.5*
Ethylbenzene	22.0	**25**	< 0.2	< 0.5	< 0.22	< 0.22	<0.22	*700*	*140*
MTBE	< 5	**23**	< 0.7	0.11	< 0.23	< 0.23	<0.23	*60*	*12*
Naphthalene	---	---	---	---	< 0.5	< 0.5	< 0.5	*100*	*10*
Toluene	7.0	14.0	< 0.6	< 0.2	< 0.11	< 0.11	0.46	*1,000*	*200*
1,2,4- & 1,3,5-TMB	68	66	< 2	< 2	< 0.25	< 0.25	<0.25	*480*	*96*
Total Xylenes	61	154	< 3	< 2	< 0.39	< 0.39	<0.39	*10,000*	*1,000*

ND = Not Detected
--- = not analyzed or no standard
MTBE = methyl-tert-butylether
TMB = trimethylbenzene
Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.
Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet):
TOC Elevation (feet): 1235.72
Date Installed:
Screen Length (feet):

TABLE 1 (page 2 of 6)
ANALYTICAL RESULTS - GROUNDWATER
MOOSE JUNCTION LOUNGE SITE, DAIRYLAND, WISCONSIN

	MW-2							NR 140 Remedial Action Limits	
Date	Nov-93	Mar-94	Nov-03	Apr-06	Apr-07	Aug-07	Oct-07		
Relative Elevation (ft)	---	---	---	---	1229.93	1226.12	1228.68		
ANALYTE								*ES*	*PAL*
VOCs/PVOCs (ppb)									
Benzene	***10,500***	***55,200***	***6,400***	***4,900***	***77***	***8,600***	***170***	*5*	*0.5*
Ethylbenzene	***2,130***	***4,000***	***840***	***720***	**23**	***1,600***	41	*700*	*140*
MTBE	**55**	***570***	< 69	< 6	< 0.23	< 46	<2.3	*60*	*12*
Naphthalene	---	---	---	---	12	***550***	**20**	*100*	*10*
Toluene	***10,100***	***51,200***	***3,800***	**770**	**130**	***17,000***	**450**	*1,000*	*200*
1,2,4- & 1,3,5-TMB	***2,670***	***8,020***	***1,630***	***1,430***	**112**	***2,730***	**181**	*480*	*96*
Total Xylenes	**9,090**	***29,800***	**5,330**	**3,300**	**260**	***14,000***	630	*10,000*	*1,000*

ND = Not Detected
--- = not analyzed or no standard
MTBE = methyl-tert-butylether
TMB = trimethylbenzene
Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.
Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet): 15
TOC Elevation (feet): 1234.43
Date Installed: 19-May-93
Screen Length (feet): 10

TABLE 1 (page 3 of 6)
ANALYTICAL RESULTS - GROUNDWATER
MOOSE JUNCTION LOUNGE SITE, DAIRYLAND, WISCONSIN

	MW-3					NR 140 Remedial Action Limits	
Date	Nov-93	Mar-94	Nov-03	Apr-06	Apr-07		
Relative Elevation (ft)	---	---	---	---	1231.46		
ANALYTE						*ES*	*PAL*
VOCs/PVOCs (ppb)							
Benzene	< 0.5	---	< 0.5	< 0.5	< 0.25	*5*	*0.5*
Ethylbenzene	< 5	---	< 5	< 5	< 0.22	*700*	*140*
MTBE	< 5	---	< 5	< 5	< 0.23	*60*	*12*
Naphthalene	---	---	---	---	< 0.5	*100*	*10*
Toluene	< 5	---	< 5	< 5	< 0.11	*1,000*	*200*
1,2,4- & 1,3,5-TMB	< 5	---	< 5	< 5	< 0.25	*480*	*96*
Total Xylenes	< 5	---	< 5	< 5	< 0.39	*10,000*	*1,000*

ND = Not Detected
--- = not analyzed or no standard
MTBE = methyl-tert-butylether
TMB = trimethylbenzene
Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.
Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet):
TOC Elevation (feet): 1235.96
Date Installed:
Screen Length (feet):

TABLE 1 (page 4 of 6)
ANALYTICAL RESULTS - GROUNDWATER
MOOSE JUNCTION LOUNGE SITE, DAIRYLAND, WISCONSIN

	MW-4							NR 140 Remedial Action Limits	
Date	Nov-93	Mar-94	Nov-03	Apr-06	Apr-07	Aug-07	Oct-07		
Relative Elevation (ft)	---	---	---	---	1226.31	1223.16	1226.35		
ANALYTE								*ES*	*PAL*
VOCs/PVOCs (ppb)									
Benzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.25	***74***	<0.25	*5*	*0.5*
Ethylbenzene	< 5	< 5	< 5	< 5	< 0.22	< 0.22	<0.22	*700*	*140*
MTBE	< 5	< 5	< 5	< 5	< 0.23	< 0.23	<0.23	*60*	*12*
Naphthalene	---	---	---	---	< 0.5	< 0.5	<0.5	*100*	*10*
Toluene	< 5	< 5	< 5	< 5	< 0.11	< 1	0.42	*1,000*	*200*
1,2,4- & 1,3,5-TMB	< 5	< 5	< 5	< 5	< 0.25	< 0.25	<0.25	*480*	*96*
Total Xylenes	< 5	< 5	< 5	< 5	< 0.39	< 1	<0.39	*10,000*	*1,000*

ND = Not Detected
--- = not analyzed or no standard
MTBE = methyl-tert-butylether
TMB = trimethylbenzene
Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.
Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet):
TOC Elevation (feet): 1229.86
Date Installed:
Screen Length (feet):

TABLE 1 (page 5 of 6)
ANALYTICAL RESULTS - GROUNDWATER
MOOSE JUNCTION LOUNGE SITE, DAIRYLAND, WISCONSIN

	MW-5			*NR 140 Remedial Action Limits*	
Date	Apr-07	Aug-07	Oct-07		
Relative Elevation (ft)	1226.49	1223.84	1226.07		
ANALYTE				*ES*	*PAL*
VOCs/PVOCs (ppb)					
Benzene	< 0.25	< 0.25	<0.25	*5*	*0.5*
Ethylbenzene	< 0.22	< 0.22	<0.22	*700*	*140*
MTBE	< 0.23	< 0.23	<0.23	*60*	*12*
Naphthalene	< 0.5	< 0.5	<0.5	*100*	*10*
Toluene	0.13	0.13	0.29	*1,000*	*200*
1,2,4- & 1,3,5-TMB	< 0.25	< 0.25	<0.25	*480*	*96*
Total Xylenes	< 0.39	< 0.39	<0.39	*10,000*	*1,000*

ND = Not Detected
--- = not analyzed or no standard
MTBE = methyl-tert-butylether
TMB = trimethylbenzene
Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.
Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet):	15
TOC Elevation (feet):	1230.59
Date Installed:	18-Apr-07
Screen Length (feet):	10

TABLE 1 (page 6 of 6)
ANALYTICAL RESULTS - GROUNDWATER
MOOSE JUNCTION LOUNGE SITE, DAIRYLAND, WISCONSIN

	Potable Wells								NR 140 Remedial Action Limits	
	PW-1	**PW-1**	**PW-1**	**PW-2**	**PW-2**	**PW-2**	**PW-2**	**PW-2**		
Date	Apr-06	Apr-07	Oct-07	Nov-03	Apr-06	Apr-07	May-07	Oct-07		
Relative Elevation (ft)	---	---	---	---	---	---	---	---		
ANALYTE									*ES*	*PAL*
VOCs/PVOCs (ppb)										
Benzene	< 0.17	< 0.2	<0.05	< 0.5	**4.3**	***15.8***	< 0.2	<0.05	*5*	*0.5*
Chloromethane	---	<0.1	0.11	---	---	<0.1	<0.1	0.16	*3*	*0.3*
1,4-Dichlorobenzene	---	<0.5	<0.5	---	---	<0.5	<0.5	0.56	*75*	*15*
Ethylbenzene	< 0.2	< 0.2	<0.05	2.6	1.41	4.25	0.42	0.10	*700*	*140*
Methylene Chloride	---	<0.2	0.28	---	---	<0.2	<0.2	0.40	*5*	*0.5*
MTBE	< 0.34	< 0.2	<0.05	< 0.7	< 0.4	< 0.2	< 0.2	<0.05	*60*	*12*
Naphthalene	---	< 1	<0.25	---	---	< 1	< 1	1.4	*100*	*10*
Toluene	< 0.25	0.49	0.35	< 0.6	< 0.25	0.53	< 0.4	0.88	*1,000*	*200*
1,1,1-Trichloroethane	---	<0.1	<0.1	---	---	<0.1	<0.1	0.17	*200*	*40*
1,2,4- & 1,3,5-TMB	< 1.4	< 0.2	<0.05	0.55	0.59	2.94	< 0.2	0.12	*480*	*96*
Total Xylenes	< 0.51	< 1	<0.05	4.4	1.4	< 1	< 1	0.37	*10,000*	*1,000*

ND = Not Detected

--- = not analyzed or no standard

MTBE = methyl-tert-butylether

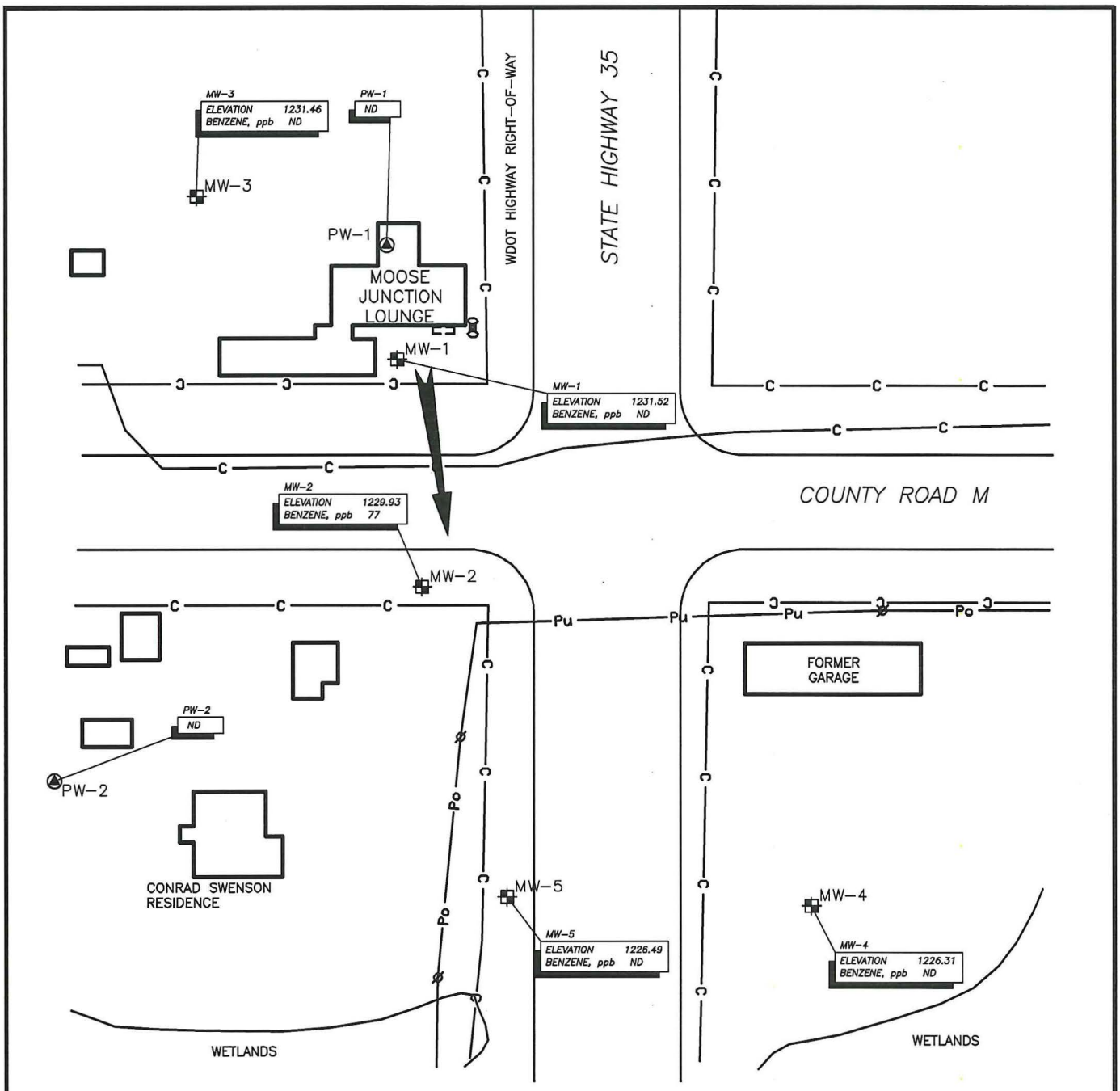
TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

PW-1 represents samples collected from the on site potable well.

PW-2 represents samples collected from Swenson Residential potable well.



LEGEND

MW-2	MONITORING WELL LOCATION AND NUMBER
PW-2	PRIVATE WELL
	ESTIMATED GROUNDWATER FLOW DIRECTION
	FORMER PUMP ISLAND
	FORMER UNDERGROUND STORAGE TANK
C	COMMUNICATIONS CABLE
Po	OVERHEAD ELECTRIC LINE
Pu	UNDERGROUND ELECTRIC LINE

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING BY EARTH BURNERS, INC. TITLED "MOOSE JUNCTION LOUNGE SITE LAYOUT."

north

0 25 50

1 INCH = APPROX. 50 FEET

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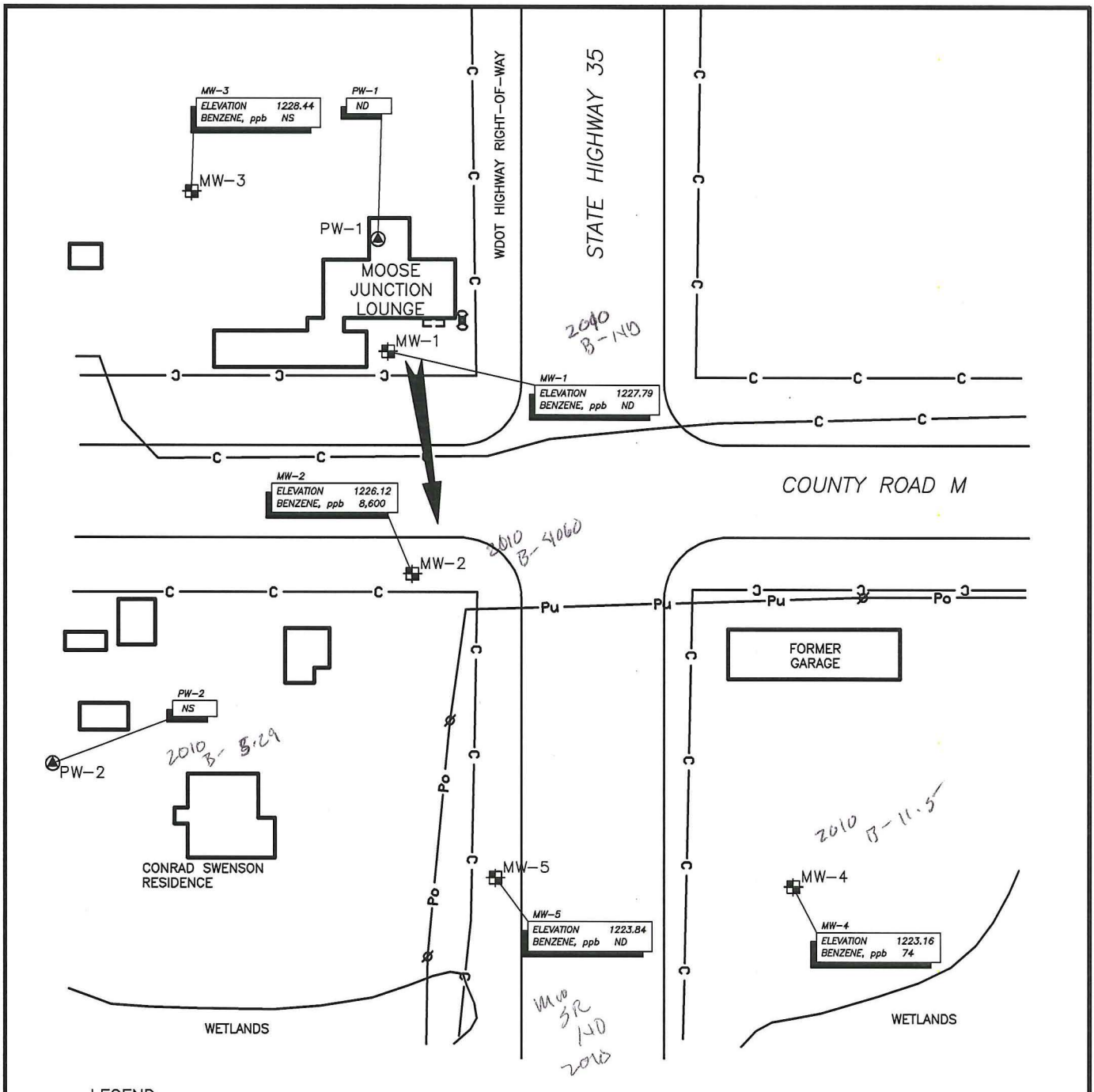
FIGURE 2
GROUNDWATER DATA
APRIL 2007
MOOSE JUNCTION LOUNGE

PROJECT# 57332779-A1A
DATE: 6/22/07
REV. BY: MN
SCALE: 1" =50'



LEGEND

MW-2	MONITORING WELL LOCATION AND NUMBER
PW-2	PRIVATE WELL
	ESTIMATED GROUNDWATER FLOW DIRECTION
	FORMER PUMP ISLAND
	FORMER UNDERGROUND STORAGE TANK
C	COMMUNICATIONS CABLE
Po	OVERHEAD ELECTRIC LINE
Pu	UNDERGROUND ELECTRIC LINE

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING BY EARTH BURNERS, INC. TITLED "MOOSE JUNCTION LOUNGE SITE LAYOUT."

north

0 25 50

1 INCH = APPROX. 50 FEET

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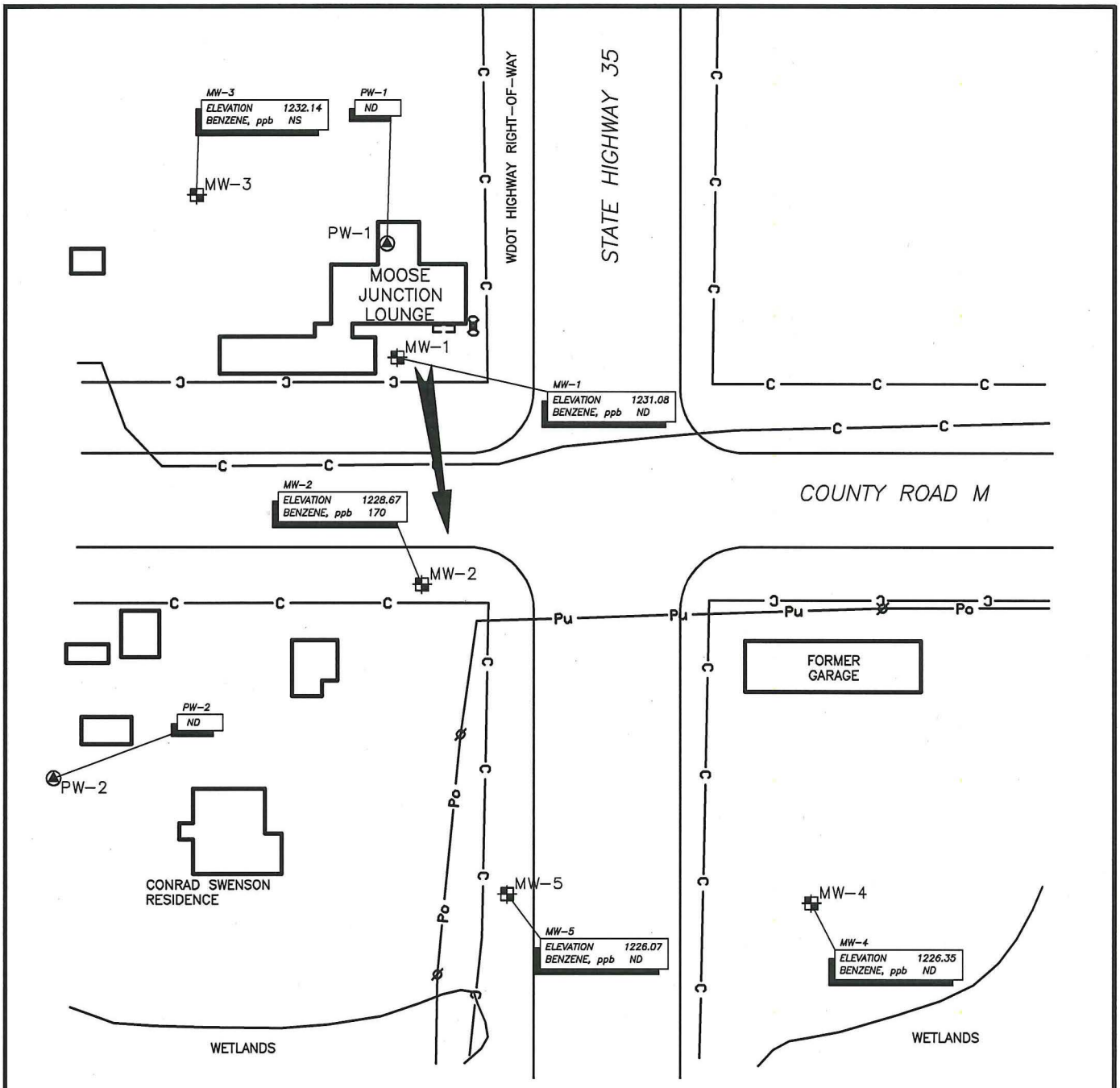
FIGURE 3
GROUNDWATER DATA
AUGUST 2007
MOOSE JUNCTION LOUNGE

PROJECT# 57332779-A1B
DATE: 9/24/07
REV. BY: MN
SCALE: 1" = 50'



LEGEND

MW-2	MONITORING WELL LOCATION AND NUMBER
PW-2	PRIVATE WELL
	ESTIMATED GROUNDWATER FLOW DIRECTION
	FORMER PUMP ISLAND
	FORMER UNDERGROUND STORAGE TANK
C	COMMUNICATIONS CABLE
Po	OVERHEAD ELECTRIC LINE
Pu	UNDERGROUND ELECTRIC LINE

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING BY EARTH BURNERS, INC. TITLED "MOOSE JUNCTION LOUNGE SITE LAYOUT."

north

0 25 50

1 INCH = APPROX. 50 FEET

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FIGURE 4
GROUNDWATER DATA
OCTOBER 2007
MOOSE JUNCTION LOUNGE

PROJECT# 57332779-A1C
DATE: 01/21/08
REV. BY: MN
SCALE: 1" = 50'

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Appendix A

Standard Sampling Procedures and Documentation

TETRA TECH

1837 County Highway OO
Chippewa Falls, WI 54729-6519

Office 715.832.0282
Fax 715.832.0541

STANDARD SAMPLING AND FIELD SCREENING PROCEDURES

Soil Sampling Procedures

Soil samples were also collected with a truck-mounted rotary drill equipped with hollow stem augers and a 2-inch-diameter, 24-inch-long split spoon sampler. The split spoon was advanced at 2-foot intervals by conventional methods, including the attachment of the sampler to an AW rod and standard 140-pound hammer. The soil was split into two samples for field screening and laboratory analysis.

All drilling tools and equipment were steam cleaned prior to sampling. Sampling tools were washed with an Alconox™ and water solution between sampling points to prevent cross contamination.

Field Screening Procedures

We field screened samples with a PID using the headspace procedure. We also recorded instrument readings and sample descriptions and remarks on a soil profile log at the appropriate depth intervals. Results from this screening survey were used to select samples for laboratory analysis. We checked PID calibration daily with isobutylene gas at recommended time intervals according to WDNR guidelines. We conducted the headspace procedure as follows:

- Headspace samples were collected in clean glass jars and filled half-full with the sample material.
- The mouth of the headspace jar was then covered with heavy-gauge aluminum foil and sealed with the lid of the jar.
- The sample was then agitated to break soil clods and release headspace vapors.
- When ambient air temperatures were below 70°F, we placed the headspace samples in a warm environment out of direct sunlight and allowed them to equilibrate to about 70°F. When ambient air temperatures were above 70°F, we placed the samples in a cooler environment out of direct sunlight and allowed them to equilibrate to about 70°F.
- Following equilibration, the sample headspace was analyzed by inserting the PID probe through a single, small hole in the foil seal to a position halfway between the seal and sample surface and then recording the highest instrument readings.
- New headspace jars were used for each site. After use, the headspace jars were cleaned with an Alconox™ and water solution and allowed to dry. If no VOC carryover was identified with a PID, the jars were reused; if VOC carryover was identified, the sample jars were discarded.

Laboratory Analysis
Split soil samples were put into the appropriate containers as follows:

ANALYTE	CONTAINER TYPE	FIELD PRESERVATIVE
GRO	2-oz. TLC jar	Methanol
DRO	2-oz. TLC jar	None
PVOC/VOC	2-oz. TLC jar	Methanol
PAH	2-oz. TLC jar	None
TOTAL LEAD	4-oz. TLC jar	None

TLC = Teflon-lined cap

Samples were then sealed and cooled to 4°C for transport to the laboratory. All samples were labeled with the following information:

- Site name
- Sample number
- Sample location
- Date and time of collection
- Analysis requested
- Name of sampler
- Other applicable information

Groundwater Monitoring Well Installation and Development Procedures
Monitoring wells were constructed and developed in accordance with Wisconsin Administrative Code - Chapter NR 141 requirements.

Groundwater Sampling Procedures
We collected groundwater samples from the permanent monitoring wells through 2-inch-diameter 0.010-inch slotted polyvinyl chloride (PVC) well casing. Temporary well samples were collected through 1-inch-diameter PVC well casing. We purged each groundwater monitoring well of three well volumes or sufficient water to achieve a sediment-free sample. A clean disposable polyethylene bailer was then inserted down the PVC piping and the contents of the bailer were transferred to the appropriate containers as follows:

ANALYTE	CONTAINER TYPE	FIELD PRESERVATIVE
GRO	40-ml vial	Hydrochloric acid
DRO	1-liter amber bottle	Hydrochloric acid
PVOC/VOC	40-ml vial	Hydrochloric acid
PAH	1-liter amber bottle	None
SULFATES	500-ml plastic bottle	None
NITRATES	500-ml plastic bottle	Sulfuric Acid
SOLUBLE IRON	250-ml plastic bottle	Nitric acid
LEAD	250-ml plastic bottle	Nitric acid

Care was taken to ensure that no air space was included. The water sample containers were then sealed and cooled to 4°C for transport to the laboratory. All collected samples were labeled with the following information:

- Site name
- Sample number
- Sample location
- Date and time of collection
- Analysis requested
- Name of sampler
- Other applicable information

Chain of Custody Procedures

Tetra Tech completed a chain of custody record in triplicate for the samples transported to the laboratory. When transferring sample custody, the individuals relinquishing and receiving the samples signed, dated, and noted the time on the chain of custody record. A designated sample custodian accepted custody of the shipped samples and verified that the sample identification numbers matched those on the chain of custody record. The laboratory then retained a copy of the chain of custody record until analyses were completed. The record was then transferred to Tetra Tech and is maintained in the project file with the analytical results.

Procedures for Abandoning a Borehole

After all necessary soil samples were collected, the borehole was completely backfilled with bentonite and abandoned according to procedures outlined in Chapter NR 141.25 of the Wisconsin Administrative Code. A WDNR borehole abandonment form (Form 3300-5W) was completed for each soil boring not completed as a monitoring well.

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Appendix B

WDNR Monitoring Well Construction (Form 4400-113A) and Well Development (Form 4400-113B)

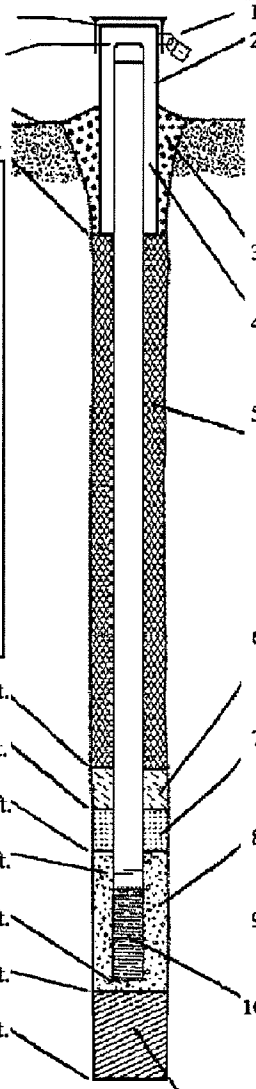
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Moose Jnt Lounge	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VT286 / DNR Well ID No.: ___
Facility ID: _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 04/18/2002 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec, _____, T. _____ N, R. _____ ☐ E ☐ W	Well Installed By: Name (first, last) and Firm: Tetra Tech / TE
Distance from Waste/Source: 150 ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: _____



A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Other ☐ _____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☐ 99

16. Drilling additives used? ☐ Yes ☐ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 1 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 4 ft.

H. Screen joint, top _____ ft. MSL or 5 ft.

I. Well bottom _____ ft. MSL or 15 ft.

J. Filter pack, bottom _____ ft. MSL or 15 ft.

K. Borehole, bottom _____ ft. MSL or 15 ft.

L. Borehole, diameter 6 in.

M. O.D. well casing 2.35 in.

N. I.D. well casing 2 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Flush — Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Sand
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Sand
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14 / Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: Tetra Tech

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Moose Junction Lounge	Douglas	MW-5
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	16	VT286 / ___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ ▒

3. Time spent developing well 60 min.

4. Depth of well (from top of well casisng) 15.0 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 20.__ gal.

8. Volume of water added (if any) 0.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.10 ft.	4.00 ft.
Date	b. 04/18/2007 (m m d d y y y y)	04/18/2007 (m m d d y y y y)
Time	c. 9:00 ☒ a.m. ☐ p.m.	10:00 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	1.0 inches	0.1 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: M Last Name: Neal
Firm: Tetra Tech

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Moose Jct Lounge
Street: 13195 STH 35
City/State/Zip: Dairyland, WI 54830

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Michael K Neal
Print Name: Michael K. Neal
Firm: Tetra Tech

NOTE: See instructions for more information including a list of county codes and well type codes.

TETRA TECH

Appendix C

Analytical Results and Chain of Custody Documentation

TestAmerica
ANALYTICAL TESTING CORPORATION
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

April 27, 2007

Client: TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729

Attn: Mr. Mike Neal

Work Order: WQD0771
Project Name: Moose Junction
Project Number: 1157332779

Date Received: 04/20/07

An executed copy of the chain of custody is also included as an addendum to this report

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-833-7036

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	WQD0771-01	04/18/07 09:00
MW-2	WQD0771-02	04/18/07 09:15
MW-3	WQD0771-03	04/18/07 09:45
MW-4	WQD0771-04	04/18/07 10:00
MW-5	WQD0771-05	04/18/07 11:00
Trip Blank	WQD0771-06	04/18/07

Samples were received into laboratory at a temperature of 2 °C.

Wisconsin Certification Number: 128053530

The Chain of Custody, 1 page, is included and is an integral part of this report.

Unless subcontracted, volatiles analyses (including VOC, PVOC, GRO, BTEX, and TPH gasoline) performed by TestAmerica Watertown at 1101 Industrial Drive, Units 9&10. All other analyses performed at the address shown in the heading of this report.

Approved By:

Brian DeJong

TestAmerica - Watertown, WI
Brian DeJong For Warren L. Topel
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQD0771
Project: Moose Junction
Project Number: 1157332779

Received: 04/20/07
Reported: 04/27/07 09:48

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WQD0771-01RE1 (MW-1 - Ground Water)							**Sampled: 04/18/07 09:00**			
UST ANALYSIS PARAMETERS										
Benzene	<0.25		ug/L	0.25	0.83	1	04/26/07 15:44	LG	7040771	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	04/26/07 15:44	LG	7040771	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	04/26/07 15:44	LG	7040771	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	04/26/07 15:44	LG	7040771	SW 8021
Toluene	<0.11		ug/L	0.11	0.37	1	04/26/07 15:44	LG	7040771	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	04/26/07 15:44	LG	7040771	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	04/26/07 15:44	LG	7040771	SW 8021
Xylenes, total	<0.39		ug/L	0.39	1.3	1	04/26/07 15:44	LG	7040771	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*98 %*									
Sample ID: WQD0771-02 (MW-2 - Ground Water)							**Sampled: 04/18/07 09:15**			
UST ANALYSIS PARAMETERS										
Benzene	**77**		ug/L	0.25	0.83	1	04/26/07 00:06	LG	7040723	SW 8021
Ethylbenzene	**23**		ug/L	0.22	0.73	1	04/26/07 00:06	LG	7040723	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	04/26/07 00:06	LG	7040723	SW 8021
Naphthalene	**12**		ug/L	0.50	1.7	1	04/26/07 00:06	LG	7040723	SW 8021
Toluene	**130**		ug/L	0.11	0.37	1	04/26/07 00:06	LG	7040723	SW 8021
1,2,4-Trimethylbenzene	**79**		ug/L	0.25	0.83	1	04/26/07 00:06	LG	7040723	SW 8021
1,3,5-Trimethylbenzene	**33**		ug/L	0.19	0.63	1	04/26/07 00:06	LG	7040723	SW 8021
Xylenes, total	**260**		ug/L	0.39	1.3	1	04/26/07 00:06	LG	7040723	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*100 %*									
Sample ID: WQD0771-03RE1 (MW-3 - Ground Water)							**Sampled: 04/18/07 09:45**			
UST ANALYSIS PARAMETERS										
Benzene	<0.25		ug/L	0.25	0.83	1	04/26/07 15:05	LG	7040771	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	04/26/07 15:05	LG	7040771	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	04/26/07 15:05	LG	7040771	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	04/26/07 15:05	LG	7040771	SW 8021
Toluene	<0.11		ug/L	0.11	0.37	1	04/26/07 15:05	LG	7040771	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	04/26/07 15:05	LG	7040771	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	04/26/07 15:05	LG	7040771	SW 8021
Xylenes, total	<0.39		ug/L	0.39	1.3	1	04/26/07 15:05	LG	7040771	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*98 %*									
Sample ID: WQD0771-04 (MW-4 - Ground Water)							**Sampled: 04/18/07 10:00**			
UST ANALYSIS PARAMETERS										
Benzene	<0.25		ug/L	0.25	0.83	1	04/26/07 01:23	LG	7040723	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	04/26/07 01:23	LG	7040723	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	04/26/07 01:23	LG	7040723	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	04/26/07 01:23	LG	7040723	SW 8021
Toluene	<0.11		ug/L	0.11	0.37	1	04/26/07 01:23	LG	7040723	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	04/26/07 01:23	LG	7040723	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	04/26/07 01:23	LG	7040723	SW 8021
Xylenes, total	<0.39		ug/L	0.39	1.3	1	04/26/07 01:23	LG	7040723	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*98 %*									

TestAmerica
ANALYTICAL TESTING CORPORATION
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQD0771
Project: Moose Junction
Project Number: 1157332779

Received: 04/20/07
Reported: 04/27/07 09:48

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WQD0771-05 (MW-5 - Ground Water)							**Sampled: 04/18/07 11:00**			
UST ANALYSIS PARAMETERS										
Benzene	<0.25		ug/L	0.25	0.83	1	04/26/07 02:02	LG	7040723	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	04/26/07 02:02	LG	7040723	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	04/26/07 02:02	LG	7040723	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	04/26/07 02:02	LG	7040723	SW 8021
Toluene	**0.13**	J	ug/L	0.11	0.37	1	04/26/07 02:02	LG	7040723	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	04/26/07 02:02	LG	7040723	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	04/26/07 02:02	LG	7040723	SW 8021
Xylenes, total	<0.39		ug/L	0.39	1.3	1	04/26/07 02:02	LG	7040723	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*98 %*									
Sample ID: WQD0771-06 (Trip Blank - Ground Water)							**Sampled: 04/18/07**			
UST ANALYSIS PARAMETERS										
Benzene	<0.25		ug/L	0.25	0.83	1	04/25/07 18:56	LG	7040723	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	04/25/07 18:56	LG	7040723	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	04/25/07 18:56	LG	7040723	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	04/25/07 18:56	LG	7040723	SW 8021
Toluene	**0.15**	J	ug/L	0.11	0.37	1	04/25/07 18:56	LG	7040723	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	04/25/07 18:56	LG	7040723	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	04/25/07 18:56	LG	7040723	SW 8021
Xylenes, total	<0.39		ug/L	0.39	1.3	1	04/25/07 18:56	LG	7040723	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*98 %*									

TestAmerica
ANALYTICAL TESTING CORPORATION
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQD0771
Project: Moose Junction
Project Number: 1157332779

Received: 04/20/07
Reported: 04/27/07 09:48

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
UST ANALYSIS PARAMETERS														
Benzene	7040723			ug/L	0.25	0.88	<0.25							
Ethylbenzene	7040723			ug/L	0.22	0.76	<0.22							
Methyl tert-Butyl Ether	7040723			ug/L	0.23	0.76	<0.23							
Naphthalene	7040723			ug/L	0.50	1.7	<0.50							
Toluene	7040723			ug/L	0.11	0.36	<0.11							
1,2,4-Trimethylbenzene	7040723			ug/L	0.25	0.86	<0.25							
1,3,5-Trimethylbenzene	7040723			ug/L	0.19	0.67	<0.19							
Xylenes, total	7040723			ug/L	0.39	1.3	<0.39							
Surrogate: 4-Bromofluorobenzene	*7040723*			ug/L					*98*		*80-200*			
Benzene	7040771			ug/L	0.25	0.88	<0.25							
Ethylbenzene	7040771			ug/L	0.22	0.76	<0.22							
Methyl tert-Butyl Ether	7040771			ug/L	0.23	0.76	<0.23							
Naphthalene	7040771			ug/L	0.50	1.7	<0.50							
Toluene	7040771			ug/L	0.11	0.36	<0.11							
1,2,4-Trimethylbenzene	7040771			ug/L	0.25	0.86	<0.25							
1,3,5-Trimethylbenzene	7040771			ug/L	0.19	0.67	<0.19							
Xylenes, total	7040771			ug/L	0.39	1.3	<0.39							
Surrogate: 4-Bromofluorobenzene	*7040771*			ug/L					*98*		*80-200*			

TestAmerica
ANALYTICAL TESTING CORPORATION
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQD0771
Project: Moose Junction
Project Number: 1157332779

Received: 04/20/07
Reported: 04/27/07 09:48

CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
UST ANALYSIS PARAMETERS														
Benzene	7D25010		20.000	ug/L	N/A	N/A	19.4		97		85-115			
Ethylbenzene	7D25010		20.000	ug/L	N/A	N/A	19.3		96		85-115			
Methyl tert-Butyl Ether	7D25010		20.000	ug/L	N/A	N/A	21.4		107		85-115			
Naphthalene	7D25010		20.000	ug/L	N/A	N/A	20.6		103		80-120			
Toluene	7D25010		20.000	ug/L	N/A	N/A	19.3		96		85-115			
1,2,4-Trimethylbenzene	7D25010		20.000	ug/L	N/A	N/A	19.8		99		85-115			
1,3,5-Trimethylbenzene	7D25010		20.000	ug/L	N/A	N/A	19.5		98		85-115			
Xylenes, total	7D25010		60.000	ug/L	N/A	N/A	58.4		97		85-115			
Surrogate: 4-Bromofluorobenzene	*7D25010*			ug/L					*98*		*85-115*			
Benzene	7D26008		20.000	ug/L	N/A	N/A	19.3		96		85-115			
Ethylbenzene	7D26008		20.000	ug/L	N/A	N/A	18.7		94		85-115			
Methyl tert-Butyl Ether	7D26008		20.000	ug/L	N/A	N/A	21.0		105		85-115			
Naphthalene	7D26008		20.000	ug/L	N/A	N/A	19.5		98		80-120			
Toluene	7D26008		20.000	ug/L	N/A	N/A	18.8		94		85-115			
1,2,4-Trimethylbenzene	7D26008		20.000	ug/L	N/A	N/A	19.0		95		85-115			
1,3,5-Trimethylbenzene	7D26008		20.000	ug/L	N/A	N/A	18.6		93		85-115			
Xylenes, total	7D26008		60.000	ug/L	N/A	N/A	56.2		94		85-115			
Surrogate: 4-Bromofluorobenzene	*7D26008*			ug/L					*96*		*85-115*			

TestAmerica
ANALYTICAL TESTING CORPORATION
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQD0771
Project: Moose Junction
Project Number: 1157332779

Received: 04/20/07
Reported: 04/27/07 09:48

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
UST ANALYSIS PARAMETERS														
Benzene	7040723		20.000	ug/L	N/A	N/A	19.0	19.2	95	96	80-120	1	20	
Ethylbenzene	7040723		20.000	ug/L	N/A	N/A	18.9	18.7	94	94	80-120	1	20	
Methyl tert-Butyl Ether	7040723		20.000	ug/L	N/A	N/A	21.1	21.6	106	108	80-120	2	20	
Naphthalene	7040723		20.000	ug/L	N/A	N/A	20.6	20.3	103	102	80-120	1	20	
Toluene	7040723		20.000	ug/L	N/A	N/A	18.9	18.9	94	94	80-120	0	20	
1,2,4-Trimethylbenzene	7040723		20.000	ug/L	N/A	N/A	19.4	18.8	97	94	80-120	3	20	
1,3,5-Trimethylbenzene	7040723		20.000	ug/L	N/A	N/A	19.0	18.5	95	92	80-120	3	20	
Xylenes, total	7040723		60.000	ug/L	N/A	N/A	56.9	56.3	95	94	80-120	1	20	
Surrogate: 4-Bromofluorobenzene	*7040723*			ug/L					*98*	*98*	*80-200*			
Benzene	7040771		20.000	ug/L	N/A	N/A	18.9	19.2	94	96	80-120	2	20	
Ethylbenzene	7040771		20.000	ug/L	N/A	N/A	18.9	18.8	94	94	80-120	1	20	
Methyl tert-Butyl Ether	7040771		20.000	ug/L	N/A	N/A	20.4	21.8	102	109	80-120	7	20	
Naphthalene	7040771		20.000	ug/L	N/A	N/A	21.3	21.2	106	106	80-120	1	20	
Toluene	7040771		20.000	ug/L	N/A	N/A	18.9	18.9	94	94	80-120	0	20	
1,2,4-Trimethylbenzene	7040771		20.000	ug/L	N/A	N/A	19.6	19.1	98	96	80-120	3	20	
1,3,5-Trimethylbenzene	7040771		20.000	ug/L	N/A	N/A	19.0	18.6	95	93	80-120	2	20	
Xylenes, total	7040771		60.000	ug/L	N/A	N/A	57.1	56.5	95	94	80-120	1	20	
Surrogate: 4-Bromofluorobenzene	*7040771*			ug/L					*98*	*98*	*80-200*			

TestAmerica
ANALYTICAL TESTING CORPORATION
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQD0771
Project: Moose Junction
Project Number: 1157332779

Received: 04/20/07
Reported: 04/27/07 09:48

CERTIFICATION SUMMARY

TestAmerica - Watertown, WI

Method	Matrix	Nelac	Wisconsin
SW 8021	Water - NonPotable		

DATA QUALIFIERS AND DEFINITIONS

J Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

ADDITIONAL COMMENTS

TestAmerica - Watertown, WI
Brian DeJong For Warren L. Topel
Project Manager

WQ D0771 WLT

TestAmerica ANALYTICAL TESTING CORPORATION

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring RL

Client Name: Tetra Tech Client #:
Address: 1837 ct H 00
City/State/Zip Code: CF WI 54729
Project Manager: M. Neal
Telephone Number: X5832 0282 Fax:
Sampler Name: (Print Name) Michael K. Neal
Sampler Signature:

Project Name: Moose Junction
Project #: 115733 2779
Site/Location ID: MJ State: WI
Report To: M. Neal
Invoice To: Trent Sprague c/o TT
Quote #: PO#:

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed:
Fax Results: Y (N)

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: PVOC + Naph.	QC Deliverables: None / Level 2 (Batch QC) / Level 3 / Level 4 / Other	REMARKS
01 MW-1	4-18-07	900	G		GW		3						X		
02 MW-2		915	G				3						X		
03 MW-3		945	G				3						X		
04 MW-4		1000	G				3						X		
05 MW-5		1100	G				3						X		
06 Trip Blank		—	-		W		2						X		

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 2C
Custody Seals: Y N ~~N/A~~
Bottles Supplied by Test America: (Y) N
Method of Shipment: Dunham

	Date:	Time:		Date:	Time:
Relinquished By:	4-19-07	1100	Received By: Dunham		
Relinquished By:			Received By: Trent Sprague	4/20/07	0925
Relinquished By:			Received By:		

4-4/22/07

VJSM

SIEMENS

April 25, 2007

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

Attn: Michael Neal

REPORT NO.: 0704295 **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 April 20, 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

The total number of pages in this report, including this page is 10.

SIEMENS

SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
0704295-01	PW-1	04/18/07 11:30	Drinking Water
0704295-02	PW-2	04/18/07 12:00	Drinking Water
0704295-03	Trip Blank	04/18/07 12:00	Drinking Water

SIEMENS

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

Attn: Michael Neal

PROJECT NO. : Moose Jnt Lounge
REPORT NO. : 0704295
DATE REC'D 04/20/07 10:05
REPORT DATE : 04/25/07 14:35
PREPARED BY : JRS

Sample ID: **PW-1** Matrix: **Drinking Water** Sample Date/Time: **04/18/07 11:30** Lab No. : **0704295-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1,1-Trichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1,2,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		04/23/07	MRD
1,1,2-Trichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1-Dichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		04/23/07	MRD
1,1-Dichloropropylene	ND	ug/L	0.30	1.00	1		04/23/07	MRD
1,2,3-Trichloropropane	ND	ug/L	0.60	2.00	1		04/23/07	MRD
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		04/23/07	MRD
1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		04/23/07	MRD
1,2-Dichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,2-Dichloropropane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		04/23/07	MRD
2,2-Dichloropropane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
2-Chlorotoluene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
4-Chlorotoluene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
4-Isopropyltoluene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Benzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromobenzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromodichloromethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromoform	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromomethane	ND	ug/L	0.50	1.67	1		04/23/07	MRD
Carbon Tetrachloride	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Chlorobenzene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
Chloroethane	ND	ug/L	0.60	2.00	1		04/23/07	MRD
Chloroform	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Chloromethane	ND	ug/L	0.30	1.00	1		04/23/07	MRD
cis-1,2-Dichloroethylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Dibromochloromethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Dibromomethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		04/23/07	MRD

SIEMENS

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

Attn: Michael Neal

PROJECT NO. : Moose Jnt Lounge
REPORT NO. : 0704295
DATE REC'D 04/20/07 10:05
REPORT DATE : 04/25/07 14:35
PREPARED BY : JRS

Sample ID: **PW-1** Matrix: **Drinking Water** Sample Date/Time: **04/18/07 11:30** Lab No. : **0704295-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Ethylbenzene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		04/23/07	MRD
Isopropylbenzene (Cumene)	ND	ug/L	0.10	0.50	1		04/23/07	MRD
Methylene Chloride	ND	ug/L	0.40	1.30	1		04/23/07	MRD
Methyl-tert-Butyl Ether	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Naphthalene	ND	ug/L	1.00	3.30	1		04/23/07	MRD
Styrene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
Tetrachloroethene	ND	ug/L	0.30	1.00	1		04/23/07	MRD
Toluene	0.49	ug/L	0.40	1.30	1	J	04/23/07	MRD
trans-1,2-Dichloroethylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
trans-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Trichloroethene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Vinyl chloride	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		04/23/07	MRD

SIEMENS

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

Attn: Michael Neal

PROJECT NO. : Moose Jnt Lounge
REPORT NO. : 0704295
DATE REC'D 04/20/07 10:05
REPORT DATE : 04/25/07 14:35
PREPARED BY : JRS

Sample ID: **PW-2** Matrix: **Drinking Water** Sample Date/Time: **04/18/07 12:00** Lab No. : **0704295-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1,1-Trichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1,2,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		04/23/07	MRD
1,1,2-Trichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1-Dichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		04/23/07	MRD
1,1-Dichloropropylene	ND	ug/L	0.30	1.00	1		04/23/07	MRD
1,2,3-Trichloropropane	ND	ug/L	0.60	2.00	1		04/23/07	MRD
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		04/23/07	MRD
1,2,4-Trimethylbenzene	1.97	ug/L	0.20	0.67	1		04/23/07	MRD
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		04/23/07	MRD
1,2-Dichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,2-Dichloropropane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,3,5-Trimethylbenzene	0.97	ug/L	0.20	0.67	1		04/23/07	MRD
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		04/23/07	MRD
2,2-Dichloropropane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
2-Chlorotoluene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
4-Chlorotoluene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
4-Isopropyltoluene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Benzene	15.8	ug/L	0.20	0.67	1		04/23/07	MRD
Bromobenzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromodichloromethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromoform	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromomethane	ND	ug/L	0.50	1.67	1		04/23/07	MRD
Carbon Tetrachloride	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Chlorobenzene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
Chloroethane	ND	ug/L	0.60	2.00	1		04/23/07	MRD
Chloroform	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Chloromethane	ND	ug/L	0.30	1.00	1		04/23/07	MRD
cis-1,2-Dichloroethylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Dibromochloromethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Dibromomethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		04/23/07	MRD

SIEMENS

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

Attn: Michael Neal

PROJECT NO. : Moose Jnt Lounge
REPORT NO. : 0704295
DATE REC'D 04/20/07 10:05
REPORT DATE : 04/25/07 14:35
PREPARED BY : JRS

Sample ID: **PW-2** Matrix: **Drinking Water** Sample Date/Time: **04/18/07 12:00** Lab No. : **0704295-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Ethylbenzene	4.25	ug/L	0.10	0.50	1		04/23/07	MRD
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		04/23/07	MRD
Isopropylbenzene (Cumene)	0.29	ug/L	0.10	0.50	1		04/23/07	MRD
Methylene Chloride	ND	ug/L	0.40	1.30	1		04/23/07	MRD
Methyl-tert-Butyl Ether	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Naphthalene	ND	ug/L	1.00	3.30	1		04/23/07	MRD
Styrene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
Tetrachloroethene	ND	ug/L	0.30	1.00	1		04/23/07	MRD
Toluene	0.53	ug/L	0.40	1.30	1	J	04/23/07	MRD
trans-1,2-Dichloroethylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
trans-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Trichloroethene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Vinyl chloride	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		04/23/07	MRD

SIEMENS

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

Attn: Michael Neal

PROJECT NO. : Moose Jnt Lounge
REPORT NO. : 0704295
DATE REC'D 04/20/07 10:05
REPORT DATE : 04/25/07 14:35
PREPARED BY : JRS

Sample ID: **Trip Blank** Matrix: **Drinking Water** Sample Date/Time: **04/18/07 12:00** Lab No. : **0704295-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1,1-Trichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1,2,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		04/23/07	MRD
1,1,2-Trichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1-Dichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		04/23/07	MRD
1,1-Dichloropropylene	ND	ug/L	0.30	1.00	1		04/23/07	MRD
1,2,3-Trichloropropane	ND	ug/L	0.60	2.00	1		04/23/07	MRD
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		04/23/07	MRD
1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		04/23/07	MRD
1,2-Dichloroethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,2-Dichloropropane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		04/23/07	MRD
2,2-Dichloropropane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
2-Chlorotoluene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
4-Chlorotoluene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
4-Isopropyltoluene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Benzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromobenzene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromodichloromethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromoform	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Bromomethane	ND	ug/L	0.50	1.67	1		04/23/07	MRD
Carbon Tetrachloride	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Chlorobenzene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
Chloroethane	ND	ug/L	0.60	2.00	1		04/23/07	MRD
Chloroform	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Chloromethane	ND	ug/L	0.30	1.00	1		04/23/07	MRD
cis-1,2-Dichloroethylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Dibromochloromethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Dibromomethane	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		04/23/07	MRD

SIEMENS

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

Attn: Michael Neal

PROJECT NO. : Moose Jnt Lounge
REPORT NO. : 0704295
DATE REC'D 04/20/07 10:05
REPORT DATE : 04/25/07 14:35
PREPARED BY : JRS

Sample ID: **Trip Blank** Matrix: **Drinking Water** Sample Date/Time: **04/18/07 12:00** Lab No. : **0704295-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Ethylbenzene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		04/23/07	MRD
Isopropylbenzene (Cumene)	ND	ug/L	0.10	0.50	1		04/23/07	MRD
Methylene Chloride	ND	ug/L	0.40	1.30	1		04/23/07	MRD
Methyl-tert-Butyl Ether	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Naphthalene	ND	ug/L	1.00	3.30	1		04/23/07	MRD
Styrene	ND	ug/L	0.10	0.50	1		04/23/07	MRD
Tetrachloroethene	ND	ug/L	0.30	1.00	1		04/23/07	MRD
Toluene	0.87	ug/L	0.40	1.30	1	J	04/23/07	MRD
trans-1,2-Dichloroethylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
trans-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Trichloroethene	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Vinyl chloride	ND	ug/L	0.20	0.67	1		04/23/07	MRD
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		04/23/07	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

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.

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/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

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

SIEMENS

Company Name	Project
Tetra Tech	Moose Jnt Lounge MJ
Report Mailing Address	**Contact Name, Phone, Fax, Email**
1837 CTH 00 CF, WI 54729	M. Neal 715 832 0282 Michael.Neal@tetratech.com
Invoice Address	**Purchase Order #** / **Invoice Contact and Phone No.**
TT	1157332776 / Trent Sprague c/o TT

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other: _____

Wis. PECFA Project subject to U&C? Yes (No) N/A

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

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

WO No. 0704295

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	Analyses Requested: VOC 524.2	Comments
-01	4-18-07	1130		3	PW-1	X	3 vials HCl
-02	"	1200		3	PW-2	X	"
-03	"	"		2	Trip Blank	X	2 vials
				TB	w/ PW-1 A		2-13-07, TB121
					PW-2 B		

Lab Use Only

Delivered by:	Walk-in		Courier
Ship. Cont. OK?	(Y)	N	NA
Samples Leaking?	Y	(N)	NA
Seals OK?	Y	N	(NA)
Rec'd on Ice?	(Y)	N	NA

1.2°C

Sample Receiving Comments:

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
[signature]	4-19-07	100	Dunham
	4/20/07	1005	[signature]

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

ACCREDITED IN ACCORDANCE WITH nelac

Siemens Water Technologies Corp.

301 West Military Road
Rothschild, WI 54474

Tel: 800-338-7226
Fax: 715-355-3221
www.enviroscan.usfilter.com

The total number of pages in this report, including this page is 8.

SIEMENS

SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
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

Attn: Michael Neal

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

Sample ID: **PW-2** Matrix: **Drinking Water** Sample Date/Time: **05/15/07 16:00** Lab No. : **0705287-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
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

Attn: Michael Neal

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

Sample ID: **PW-2** Matrix: **Drinking Water** Sample Date/Time: **05/15/07 16:00** Lab No. : **0705287-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
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

Attn: Michael Neal

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

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
EPA 524.2								
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

Attn: Michael Neal

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

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
EPA 524.2 Continued								
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/m3 = 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	Project
Tetra Tech.	Moose Junction 7332776
Report Mailing Address	**Contact Name, Phone, Fax, Email**
Chippewa Falls	Mike Neal
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: VOC 524.

Lab Use Only

Delivered by:	Walk-in		Courier
Ship. Cont. OK?	(Y)	N	NA
Samples Leaking?	Y	(N)	NA
Seals OK?	(Y)	N	NA
Rec'd on Ice?	(Y)	N	NA

Sample Receiving Comments:

3.0°

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

Spelled

Test Am
4-12-07

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
	5/16/07	5:00	
	5-17-07	1720	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

August 21, 2007

Client: TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729

Attn: Mr. Mike Neal

Work Order: WQH0657
Project Name: Moose Junction
Project Number: 1157332779

Date Received: 08/16/07

An executed copy of the chain of custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-833-7036

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	WQH0657-01	08/15/07 09:30
MW-2	WQH0657-02	08/15/07 10:00
MW-4	WQH0657-03	08/15/07 10:30
MW-5	WQH0657-04	08/15/07 10:40
Trip Blank	WQH0657-05	08/15/07

Samples were received into laboratory at a temperature of 6 °C.

Wisconsin Certification Number: 128053530

The Chain of Custody, 1 page, is included and is an integral part of this report.

Unless subcontracted, volatiles analyses (including VOC, PVOC, GRO, BTEX, and TPH gasoline) performed by TestAmerica Watertown at 1101 Industrial Drive, Units 9&10. All other analyses performed at the address shown in the heading of this report.

Approved By:

Brian DeJong

TestAmerica - Watertown, WI
Brian DeJong For Warren L. Topel
Project Manager

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQH0657
Project: Moose Junction
Project Number: 1157332779

Received: 08/16/07
Reported: 08/21/07 12:07

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WQH0657-01 (MW-1 - Ground Water)							**Sampled: 08/15/07 09:30**			
UST ANALYSIS PARAMETERS										
Benzene	<0.25		ug/L	0.25	0.83	1	08/17/07 21:10	EML	7080497	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	08/17/07 21:10	EML	7080497	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	08/17/07 21:10	EML	7080497	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	08/17/07 21:10	EML	7080497	SW 8021
Toluene	<0.11		ug/L	0.11	0.37	1	08/17/07 21:10	EML	7080497	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	08/17/07 21:10	EML	7080497	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	08/17/07 21:10	EML	7080497	SW 8021
Xylenes, total	<0.39		ug/L	0.39	1.3	1	08/17/07 21:10	EML	7080497	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*100 %*									
Sample ID: WQH0657-02RE1 (MW-2 - Ground Water)							**Sampled: 08/15/07 10:00**			
UST ANALYSIS PARAMETERS										
Benzene	**8600**		ug/L	50	170	200	08/20/07 21:36	EML	7080537	SW 8021
Ethylbenzene	**1600**		ug/L	44	150	200	08/20/07 21:36	EML	7080537	SW 8021
Methyl tert-Butyl Ether	<46		ug/L	46	150	200	08/20/07 21:36	EML	7080537	SW 8021
Naphthalene	**550**		ug/L	100	330	200	08/20/07 21:36	EML	7080537	SW 8021
Toluene	**17000**		ug/L	22	73	200	08/20/07 21:36	EML	7080537	SW 8021
1,2,4-Trimethylbenzene	**2100**		ug/L	50	170	200	08/20/07 21:36	EML	7080537	SW 8021
1,3,5-Trimethylbenzene	**630**		ug/L	38	130	200	08/20/07 21:36	EML	7080537	SW 8021
Xylenes, total	**14000**		ug/L	78	260	200	08/20/07 21:36	EML	7080537	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*98 %*									
Sample ID: WQH0657-03 (MW-4 - Ground Water)							**Sampled: 08/15/07 10:30**			
UST ANALYSIS PARAMETERS										
Benzene	**74**		ug/L	0.25	0.83	1	08/17/07 21:50	EML	7080497	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	08/17/07 21:50	EML	7080497	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	08/17/07 21:50	EML	7080497	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	08/17/07 21:50	EML	7080497	SW 8021
Toluene	**0.24**	J	ug/L	0.11	0.37	1	08/17/07 21:50	EML	7080497	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	08/17/07 21:50	EML	7080497	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	08/17/07 21:50	EML	7080497	SW 8021
Xylenes, total	**0.70**	J	ug/L	0.39	1.3	1	08/17/07 21:50	EML	7080497	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*99 %*									
Sample ID: WQH0657-04 (MW-5 - Ground Water)							**Sampled: 08/15/07 10:40**			
UST ANALYSIS PARAMETERS										
Benzene	<0.25		ug/L	0.25	0.83	1	08/17/07 22:31	EML	7080497	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	08/17/07 22:31	EML	7080497	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	08/17/07 22:31	EML	7080497	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	08/17/07 22:31	EML	7080497	SW 8021
Toluene	<0.11		ug/L	0.11	0.37	1	08/17/07 22:31	EML	7080497	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	08/17/07 22:31	EML	7080497	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	08/17/07 22:31	EML	7080497	SW 8021
Xylenes, total	<0.39		ug/L	0.39	1.3	1	08/17/07 22:31	EML	7080497	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*101 %*									

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQH0657
Project: Moose Junction
Project Number: 1157332779

Received: 08/16/07
Reported: 08/21/07 12:07

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WQH0657-05 (Trip Blank - Ground Water)							**Sampled: 08/15/07**			
ST ANALYSIS PARAMETERS										
enzene	<0.25		ug/L	0.25	0.83	1	08/17/07 18:28	EML	7080497	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	08/17/07 18:28	EML	7080497	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	08/17/07 18:28	EML	7080497	SW 8021
aphthalene	<0.50		ug/L	0.50	1.7	1	08/17/07 18:28	EML	7080497	SW 8021
oluene	**0.18**	J	ug/L	0.11	0.37	1	08/17/07 18:28	EML	7080497	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	08/17/07 18:28	EML	7080497	SW 8021
3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	08/17/07 18:28	EML	7080497	SW 8021
ylenes, total	<0.39		ug/L	0.39	1.3	1	08/17/07 18:28	EML	7080497	SW 8021
urr: 4-Bromofluorobenzene (80-200%)	*99 %*									

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQH0657
Project: Moose Junction
Project Number: 1157332779

Received: 08/16/07
Reported: 08/21/07 12:07

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
UST ANALYSIS PARAMETERS														
Benzene	7080497			ug/L	0.25	0.88	<0.25							
Ethylbenzene	7080497			ug/L	0.22	0.76	<0.22							
Methyl tert-Butyl Ether	7080497			ug/L	0.23	0.76	<0.23							
Naphthalene	7080497			ug/L	0.50	1.7	<0.50							
Toluene	7080497			ug/L	0.11	0.36	<0.11							
1,2,4-Trimethylbenzene	7080497			ug/L	0.25	0.86	<0.25							
1,3,5-Trimethylbenzene	7080497			ug/L	0.19	0.67	<0.19							
Xylenes, total	7080497			ug/L	0.39	1.3	<0.39							
Surrogate: 4-Bromofluorobenzene	*7080497*			ug/L					*100*		*80-200*			
Benzene	7080537			ug/L	0.25	0.88	<0.25							
Ethylbenzene	7080537			ug/L	0.22	0.76	<0.22							
Methyl tert-Butyl Ether	7080537			ug/L	0.23	0.76	<0.23							
Naphthalene	7080537			ug/L	0.50	1.7	<0.50							
Toluene	7080537			ug/L	0.11	0.36	<0.11							
1,2,4-Trimethylbenzene	7080537			ug/L	0.25	0.86	<0.25							
1,3,5-Trimethylbenzene	7080537			ug/L	0.19	0.67	<0.19							
Xylenes, total	7080537			ug/L	0.39	1.3	<0.39							
Surrogate: 4-Bromofluorobenzene	*7080537*			ug/L					*101*		*80-200*			

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQH0657
Project: Moose Junction
Project Number: 1157332779

Received: 08/16/07
Reported: 08/21/07 12:07

CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
ST ANALYSIS PARAMETERS														
enzene	7H17006		20.000	ug/L	N/A	N/A	20.8		104		85-115			
Ethylbenzene	7H17006		20.000	ug/L	N/A	N/A	20.8		104		85-115			
Methyl tert-Butyl Ether	7H17006		20.000	ug/L	N/A	N/A	21.0		105		85-115			
aphthalene	7H17006		20.000	ug/L	N/A	N/A	21.5		107		80-120			
oluene	7H17006		20.000	ug/L	N/A	N/A	20.7		103		85-115			
1,2,4-Trimethylbenzene	7H17006		20.000	ug/L	N/A	N/A	20.8		104		85-115			
3,5-Trimethylbenzene	7H17006		20.000	ug/L	N/A	N/A	20.7		104		85-115			
ylenes, total	7H17006		60.000	ug/L	N/A	N/A	62.4		104		85-115			
Surrogate: 4-Bromofluorobenzene	*7H17006*			ug/L					*101*		*85-115*			
Benzene	7H20007		20.000	ug/L	N/A	N/A	20.4		102		85-115			
thylbenzene	7H20007		20.000	ug/L	N/A	N/A	20.4		102		85-115			
lethyl tert-Butyl Ether	7H20007		20.000	ug/L	N/A	N/A	20.4		102		85-115			
Naphthalene	7H20007		20.000	ug/L	N/A	N/A	20.6		103		80-120			
Toluene	7H20007		20.000	ug/L	N/A	N/A	20.4		102		85-115			
,2,4-Trimethylbenzene	7H20007		20.000	ug/L	N/A	N/A	20.4		102		85-115			
,3,5-Trimethylbenzene	7H20007		20.000	ug/L	N/A	N/A	20.4		102		85-115			
Xylenes, total	7H20007		60.000	ug/L	N/A	N/A	61.5		103		85-115			
urrogate: 4-Bromofluorobenzene	*7H20007*			ug/L					*102*		*85-115*			

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQH0657
Project: Moose Junction
Project Number: 1157332779

Received: 08/16/07
Reported: 08/21/07 12:07

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
UST ANALYSIS PARAMETERS														
Benzene	7080497		20.000	ug/L	N/A	N/A	20.7	21.3	104	106	80-120	3	20	
Ethylbenzene	7080497		20.000	ug/L	N/A	N/A	20.7	20.9	104	104	80-120	1	20	
Methyl tert-Butyl Ether	7080497		20.000	ug/L	N/A	N/A	21.2	20.9	106	105	80-120	1	20	
Naphthalene	7080497		20.000	ug/L	N/A	N/A	22.6	20.9	113	104	80-120	8	20	
Toluene	7080497		20.000	ug/L	N/A	N/A	20.6	21.2	103	106	80-120	3	20	
1,2,4-Trimethylbenzene	7080497		20.000	ug/L	N/A	N/A	20.8	20.7	104	103	80-120	1	20	
1,3,5-Trimethylbenzene	7080497		20.000	ug/L	N/A	N/A	20.7	20.6	104	103	80-120	0	20	
Xylenes, total	7080497		60.000	ug/L	N/A	N/A	62.2	62.7	104	104	80-120	1	20	
Surrogate: 4-Bromofluorobenzene	*7080497*			ug/L					*101*	*100*	*80-200*			
Benzene	7080537		20.000	ug/L	N/A	N/A	20.5	20.5	103	103	80-120	0	20	
Ethylbenzene	7080537		20.000	ug/L	N/A	N/A	20.5	20.3	103	102	80-120	1	20	
Methyl tert-Butyl Ether	7080537		20.000	ug/L	N/A	N/A	20.7	20.4	104	102	80-120	2	20	
Naphthalene	7080537		20.000	ug/L	N/A	N/A	21.4	19.7	107	98	80-120	9	20	
Toluene	7080537		20.000	ug/L	N/A	N/A	20.4	20.4	102	102	80-120	0	20	
1,2,4-Trimethylbenzene	7080537		20.000	ug/L	N/A	N/A	20.5	19.9	103	100	80-120	3	20	
1,3,5-Trimethylbenzene	7080537		20.000	ug/L	N/A	N/A	20.5	20.0	103	100	80-120	3	20	
Xylenes, total	7080537		60.000	ug/L	N/A	N/A	61.7	61.0	103	102	80-120	1	20	
Surrogate: 4-Bromofluorobenzene	*7080537*			ug/L					*102*	*101*	*80-200*			

602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQH0657
Project: Moose Junction
Project Number: 1157332779

Received: 08/16/07
Reported: 08/21/07 12:07

CERTIFICATION SUMMARY

TestAmerica - Watertown, WI

Method	Matrix	Nelac	Wisconsin
SW 8021	Water - NonPotable		

DATA QUALIFIERS AND DEFINITIONS

J Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

ADDITIONAL COMMENTS

WQH0657 WLT

TestAmerica ANALYTICAL TESTING CORPORATION
Watertown Division
602 Commerce Drive
Watertown, WI 53094
Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Tetra Tech Client #: _____
Address: _____
City/State/Zip Code: Eau Falls, WI.
Project Manager: Mike Nash
Telephone Number: _____ Fax: _____
Sampler Name: (Print Name) Eric Olson
Sampler Signature: _____

Project Name: Moose Junction
Project #: 1157332770 E.D.O
Site/Location ID: MJ State: WI
Report To: Mike Nash
Invoice To: Trent Sprague c/o TT
Quote #: _____ PO#: _____

TAT
___ Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

	SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: RVOCs + Naphthalene	REMARKS
01	MW-1	(8/15/07)	13:30	G	N	GW		3						X	
02	MW-2		10:00											X	
03	MW-4		10:30											X	
04	MW-5		10:40	↓	↓	↓		↓						X	
05	Trip Blank	↓												X	

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 6°C
Custody Seals: Y N N/A
Bottles Supplied by Test America: (Y) N
Method of Shipment: Fed Exp

Relinquished By:	Date: 8/16	Time: 1600	Received By: Trent Sprague	Date: 8/16/07	Time: 1710
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

October 15, 2007

Client: TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729

Attn: Mr. Mike Neal

Work Order: WQJ0287
Project Name: Moose Junction
Project Number: 1157332779

Date Received: 10/05/07

An executed copy of the chain of custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-833-7036

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	WQJ0287-01	10/03/07 09:40
MW-2	WQJ0287-02	10/03/07 10:20
MW-4	WQJ0287-03	10/03/07 10:40
MW-5	WQJ0287-04	10/03/07 11:40
PW-1	WQJ0287-05	10/03/07
PW-2	WQJ0287-06	10/03/07

Samples were received into laboratory on ice.

Wisconsin Certification Number: 128053530

The Chain of Custody, 1 page, is included and is an integral part of this report.

Unless subcontracted, volatiles analyses (including VOC, PVOC, GRO, BTEX, and TPH gasoline) performed by TestAmerica Watertown at 1101 Industrial Drive, Units 9&10. All other analyses performed at the address shown in the heading of this report.

Approved By:

Brian DeJong

TestAmerica - Watertown, WI
Brian DeJong For Warren L. Topel
Project Manager

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQJ0287
Project: Moose Junction
Project Number: 1157332779

Received: 10/05/07
Reported: 10/15/07 11:54

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WQJ0287-01 (MW-1 - Ground Water)							**Sampled: 10/03/07 09:40**			
GC VOLATILES										
Benzene	<0.25		ug/L	0.25	0.83	1	10/11/07 22:04	EML	7100440	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	10/11/07 22:04	EML	7100440	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	10/11/07 22:04	EML	7100440	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	10/11/07 22:04	EML	7100440	SW 8021
Toluene	**0.46**		ug/L	0.11	0.37	1	10/11/07 22:04	EML	7100440	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	10/11/07 22:04	EML	7100440	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	10/11/07 22:04	EML	7100440	SW 8021
Xylenes, total	<0.39		ug/L	0.39	1.3	1	10/11/07 22:04	EML	7100440	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*98 %*									
Sample ID: WQJ0287-02RE1 (MW-2 - Ground Water)							**Sampled: 10/03/07 10:20**			
GC VOLATILES										
Benzene	**170**		ug/L	2.5	8.3	10	10/12/07 14:21	EML	7100478	SW 8021
Ethylbenzene	**41**		ug/L	2.2	7.3	10	10/12/07 14:21	EML	7100478	SW 8021
Methyl tert-Butyl Ether	<2.3		ug/L	2.3	7.7	10	10/12/07 14:21	EML	7100478	SW 8021
Naphthalene	**20**		ug/L	5.0	17	10	10/12/07 14:21	EML	7100478	SW 8021
Toluene	**450**		ug/L	1.1	3.7	10	10/12/07 14:21	EML	7100478	SW 8021
1,2,4-Trimethylbenzene	**130**		ug/L	2.5	8.3	10	10/12/07 14:21	EML	7100478	SW 8021
1,3,5-Trimethylbenzene	**51**		ug/L	1.9	6.3	10	10/12/07 14:21	EML	7100478	SW 8021
Xylenes, total	**630**		ug/L	3.9	13	10	10/12/07 14:21	EML	7100478	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*102 %*									
Sample ID: WQJ0287-03 (MW-4 - Ground Water)							**Sampled: 10/03/07 10:40**			
GC VOLATILES										
Benzene	<0.25		ug/L	0.25	0.83	1	10/12/07 00:42	EML	7100440	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	10/12/07 00:42	EML	7100440	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	10/12/07 00:42	EML	7100440	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	10/12/07 00:42	EML	7100440	SW 8021
Toluene	**0.42**		ug/L	0.11	0.37	1	10/12/07 00:42	EML	7100440	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	10/12/07 00:42	EML	7100440	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	10/12/07 00:42	EML	7100440	SW 8021
Xylenes, total	<0.39		ug/L	0.39	1.3	1	10/12/07 00:42	EML	7100440	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*99 %*									
Sample ID: WQJ0287-04 (MW-5 - Ground Water)							**Sampled: 10/03/07 11:40**			
GC VOLATILES										
Benzene	<0.25		ug/L	0.25	0.83	1	10/11/07 22:44	EML	7100440	SW 8021
Ethylbenzene	<0.22		ug/L	0.22	0.73	1	10/11/07 22:44	EML	7100440	SW 8021
Methyl tert-Butyl Ether	<0.23		ug/L	0.23	0.77	1	10/11/07 22:44	EML	7100440	SW 8021
Naphthalene	<0.50		ug/L	0.50	1.7	1	10/11/07 22:44	EML	7100440	SW 8021
Toluene	**0.29**	J	ug/L	0.11	0.37	1	10/11/07 22:44	EML	7100440	SW 8021
1,2,4-Trimethylbenzene	<0.25		ug/L	0.25	0.83	1	10/11/07 22:44	EML	7100440	SW 8021
1,3,5-Trimethylbenzene	<0.19		ug/L	0.19	0.63	1	10/11/07 22:44	EML	7100440	SW 8021
Xylenes, total	<0.39		ug/L	0.39	1.3	1	10/11/07 22:44	EML	7100440	SW 8021
Surr: 4-Bromofluorobenzene (80-200%)	*99 %*									

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQJ0287
Project: Moose Junction
Project Number: 1157332779

Received: 10/05/07
Reported: 10/15/07 11:54

Sample ID: WQJ0287-05 (PW-1 - Drinking Water) — **Sampled: 10/03/07**

rgeable Organic Compounds by EPA Method 524.2

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
enzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Bromobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Bromochloromethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
romodichloromethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
romoform	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Bromomethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
n-Butylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
c-Butylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
rt-Butylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Carbon Tetrachloride	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Chlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
hlorodibromomethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
hloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Chloroform	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
hloromethane	**0.11**	J	ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
-Chlorotoluene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
-Chlorotoluene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,2-Dibromo-3-chloropropane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
,2-Dibromoethane (EDB)	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
ibromomethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
,2-Dichlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,3-Dichlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
,4-Dichlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
ichlorodifluoromethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,1-Dichloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,2-Dichloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
,1-Dichloroethene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
is-1,2-Dichloroethene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
trans-1,2-Dichloroethene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,2-Dichloropropane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
,3-Dichloropropane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
,2-Dichloropropane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,1-Dichloropropene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
is-1,3-Dichloropropene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
ans-1,3-Dichloropropene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
thylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Hexachlorobutadiene	<0.050	B	ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
sopropylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
-Isopropyltoluene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Methylene Chloride	**0.28**	S2, J	ug/L	0.25	0.83	1	10/08/07 18:37	mae	7100281	EPA 524.2
Methyl tert-Butyl Ether	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Naphthalene	<0.25		ug/L	0.25	0.83	1	10/08/07 18:37	mae	7100281	EPA 524.2
-Propylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Styrene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,1,1,2-Tetrachloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
,1,2,2-Tetrachloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
etrachloroethene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Toluene	**0.35**		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,2,3-Trichlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
,2,4-Trichlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
,1,1-Trichloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,1,2-Trichloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQJ0287
Project: Moose Junction
Project Number: 1157332779

Received: 10/05/07
Reported: 10/15/07 11:54

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WQJ0287-05 (PW-1 - Drinking Water) - cont.							**Sampled: 10/03/07**			
Purgeable Organic Compounds by EPA Method 524.2 - cont.										
Trichloroethene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Trichlorofluoromethane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,2,3-Trichloropropane	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,2,4-Trimethylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
1,3,5-Trimethylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Vinyl chloride	<0.016		ug/L	0.016	0.053	1	10/08/07 18:37	mae	7100281	EPA 524.2
Xylenes, Total	<0.050		ug/L	0.050	0.17	1	10/08/07 18:37	mae	7100281	EPA 524.2
Surr: 4-Bromofluorobenzene (76-116%)	*93 %*									
Surr: 1,2-Dichlorobenzene-d4 (80-119%)	*94 %*									
Sample ID: WQJ0287-06 (PW-2 - Drinking Water)							**Sampled: 10/03/07**			
Purgeable Organic Compounds by EPA Method 524.2										
Benzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Bromobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Bromochloromethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Bromodichloromethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Bromoform	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Bromomethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
n-Butylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
sec-Butylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
tert-Butylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Carbon Tetrachloride	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Chlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Chlorodibromomethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Chloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Chloroform	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Chloromethane	**0.16**	J	ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
2-Chlorotoluene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
4-Chlorotoluene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,2-Dibromo-3-chloropropane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,2-Dibromoethane (EDB)	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Dibromomethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,2-Dichlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,3-Dichlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,4-Dichlorobenzene	**0.56**		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Dichlorodifluoromethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,1-Dichloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,2-Dichloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,1-Dichloroethene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
cis-1,2-Dichloroethene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
trans-1,2-Dichloroethene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,2-Dichloropropane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,3-Dichloropropane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
2,2-Dichloropropane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,1-Dichloropropene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
cis-1,3-Dichloropropene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
trans-1,3-Dichloropropene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Ethylbenzene	**0.10**	J	ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Hexachlorobutadiene	<0.050	B	ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Isopropylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
p-Isopropyltoluene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Methylene Chloride	**0.40**	S2, J	ug/L	0.25	0.83	1	10/08/07 19:16	mae	7100281	EPA 524.2

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQJ0287
Project: Moose Junction
Project Number: 1157332779

Received: 10/05/07
Reported: 10/15/07 11:54

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WQJ0287-06 (PW-2 - Drinking Water) - cont.							**Sampled: 10/03/07**			
rgeable Organic Compounds by EPA Method 524.2 - cont.										
'ethyl tert-Butyl Ether	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Naphthalene	**1.4**		ug/L	0.25	0.83	1	10/08/07 19:16	mae	7100281	EPA 524.2
n-Propylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
:yrene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,1,2-Tetrachloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Tetrachloroethene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
oluene	**0.88**		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
,2,3-Trichlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,2,4-Trichlorobenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,1,1-Trichloroethane	**0.17**		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,2-Trichloroethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
richloroethene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Trichlorofluoromethane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
2,3-Trichloropropane	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
2,4-Trimethylbenzene	**0.12**	J	ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
1,3,5-Trimethylbenzene	<0.050		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
Vinyl chloride	<0.016		ug/L	0.016	0.053	1	10/08/07 19:16	mae	7100281	EPA 524.2
ylenes, Total	**0.37**		ug/L	0.050	0.17	1	10/08/07 19:16	mae	7100281	EPA 524.2
urr: 4-Bromofluorobenzene (76-116%)	*99 %*									
Surr: 1,2-Dichlorobenzene-d4 (80-119%)	*98 %*									

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQJ0287
Project: Moose Junction
Project Number: 1157332779

Received: 10/05/07
Reported: 10/15/07 11:54

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
GC VOLATILES														
Benzene	7100440			ug/L	0.25	0.88	<0.25							
Ethylbenzene	7100440			ug/L	0.22	0.76	<0.22							
Methyl tert-Butyl Ether	7100440			ug/L	0.23	0.76	<0.23							
Naphthalene	7100440			ug/L	0.50	1.7	<0.50							
Toluene	7100440			ug/L	0.11	0.36	<0.11							
1,2,4-Trimethylbenzene	7100440			ug/L	0.25	0.86	<0.25							
1,3,5-Trimethylbenzene	7100440			ug/L	0.19	0.67	<0.19							
Xylenes, total	7100440			ug/L	0.39	1.3	<0.39							
Surrogate: 4-Bromofluorobenzene	*7100440*			ug/L					*101*		*80-200*			
Benzene	7100478			ug/L	0.25	0.88	<0.25							
Ethylbenzene	7100478			ug/L	0.22	0.76	<0.22							
Methyl tert-Butyl Ether	7100478			ug/L	0.23	0.76	<0.23							
Naphthalene	7100478			ug/L	0.50	1.7	<0.50							
Toluene	7100478			ug/L	0.11	0.36	<0.11							
1,2,4-Trimethylbenzene	7100478			ug/L	0.25	0.86	<0.25							
1,3,5-Trimethylbenzene	7100478			ug/L	0.19	0.67	<0.19							
Xylenes, total	7100478			ug/L	0.39	1.3	<0.39							
Surrogate: 4-Bromofluorobenzene	*7100478*			ug/L					*100*		*80-200*			
Purgeable Organic Compounds by EPA Method 524.2														
Benzene	7100281			ug/L	0.050	0.17	<0.050							
Bromobenzene	7100281			ug/L	0.050	0.17	<0.050							
Bromochloromethane	7100281			ug/L	0.050	0.17	<0.050							
Bromodichloromethane	7100281			ug/L	0.050	0.17	<0.050							
Bromoform	7100281			ug/L	0.050	0.17	<0.050							
Bromomethane	7100281			ug/L	0.050	0.17	<0.050							
n-Butylbenzene	7100281			ug/L	0.050	0.17	<0.050							
sec-Butylbenzene	7100281			ug/L	0.050	0.17	<0.050							
tert-Butylbenzene	7100281			ug/L	0.050	0.17	<0.050							
Carbon Tetrachloride	7100281			ug/L	0.050	0.17	<0.050							
Chlorobenzene	7100281			ug/L	0.050	0.17	<0.050							
Chlorodibromomethane	7100281			ug/L	0.050	0.17	<0.050							
Chloroethane	7100281			ug/L	0.050	0.17	<0.050							
Chloroform	7100281			ug/L	0.050	0.17	<0.050							
Chloromethane	7100281			ug/L	0.050	0.17	<0.050							
2-Chlorotoluene	7100281			ug/L	0.050	0.17	<0.050							
4-Chlorotoluene	7100281			ug/L	0.050	0.17	<0.050							
1,2-Dibromo-3-chloropropane	7100281			ug/L	0.050	0.17	<0.050							
1,2-Dibromoethane (EDB)	7100281			ug/L	0.050	0.17	<0.050							
Dibromomethane	7100281			ug/L	0.050	0.17	<0.050							
1,2-Dichlorobenzene	7100281			ug/L	0.050	0.17	<0.050							
1,3-Dichlorobenzene	7100281			ug/L	0.050	0.17	<0.050							
1,4-Dichlorobenzene	7100281			ug/L	0.050	0.17	<0.050							
Dichlorodifluoromethane	7100281			ug/L	0.050	0.17	<0.050							

TETRA TECH, INC.
1837 County Hwy OO
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Mr. Mike Neal

Work Order: WQJ0287
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Received: 10/05/07
Reported: 10/15/07 11:54

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
urgeable Organic Compounds by EPA Method 524.2														
,1-Dichloroethane	7100281			ug/L	0.050	0.17	<0.050							
1,2-Dichloroethane	7100281			ug/L	0.050	0.17	<0.050							
',1-Dichloroethene	7100281			ug/L	0.050	0.17	<0.050							
is-1,2-Dichloroethene	7100281			ug/L	0.050	0.17	<0.050							
rans-1,2-Dichloroethene	7100281			ug/L	0.050	0.17	<0.050							
1,2-Dichloropropane	7100281			ug/L	0.050	0.17	<0.050							
,3-Dichloropropane	7100281			ug/L	0.050	0.17	<0.050							
,2-Dichloropropane	7100281			ug/L	0.050	0.17	<0.050							
1,1-Dichloropropene	7100281			ug/L	0.050	0.17	<0.050							
is-1,3-Dichloropropene	7100281			ug/L	0.050	0.17	<0.050							
ans-1,3-Dichloropropene	7100281			ug/L	0.050	0.17	<0.050							
thylbenzene	7100281			ug/L	0.050	0.17	<0.050							
Hexachlorobutadiene	7100281			ug/L	0.050	0.17	0.100							B,J
sopropylbenzene	7100281			ug/L	0.050	0.17	<0.050							
-Isopropyltoluene	7100281			ug/L	0.050	0.17	<0.050							
Methylene Chloride	7100281			ug/L	0.25	0.83	<0.25							
Methyl tert-Butyl Ether	7100281			ug/L	0.050	0.17	<0.050							
laphthalene	7100281			ug/L	0.25	0.83	<0.25							
-Propylbenzene	7100281			ug/L	0.050	0.17	<0.050							
Styrene	7100281			ug/L	0.050	0.17	<0.050							
',1,1,2-Tetrachloroethane	7100281			ug/L	0.050	0.17	<0.050							
,1,2,2-Tetrachloroethane	7100281			ug/L	0.050	0.17	<0.050							
Tetrachloroethene	7100281			ug/L	0.050	0.17	<0.050							
Toluene	7100281			ug/L	0.050	0.17	<0.050							
,2,3-Trichlorobenzene	7100281			ug/L	0.050	0.17	<0.050							
,2,4-Trichlorobenzene	7100281			ug/L	0.050	0.17	<0.050							
1,1,1-Trichloroethane	7100281			ug/L	0.050	0.17	<0.050							
',1,2-Trichloroethane	7100281			ug/L	0.050	0.17	<0.050							
richloroethene	7100281			ug/L	0.050	0.17	<0.050							
richlorofluoromethane	7100281			ug/L	0.050	0.17	<0.050							
1,2,3-Trichloropropane	7100281			ug/L	0.050	0.17	<0.050							
,2,4-Trimethylbenzene	7100281			ug/L	0.050	0.17	<0.050							
,3,5-Trimethylbenzene	7100281			ug/L	0.050	0.17	<0.050							
Vinyl chloride	7100281			ug/L	0.016	0.052	<0.016							
Xylenes, Total	7100281			ug/L	0.050	0.17	<0.050							
Surrogate: 4-Bromofluorobenzene	*7100281*			ug/L					*94*		*76-116*			
Surrogate: 1,2-Dichlorobenzene-d4	*7100281*			ug/L					*91*		*80-119*			

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQJ0287
Project: Moose Junction
Project Number: 1157332779

Received: 10/05/07
Reported: 10/15/07 11:54

CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
GC VOLATILES														
Benzene	7J11008		20.000	ug/kg wet	N/A	N/A	21.2		106		85-115			
Ethylbenzene	7J11008		20.000	ug/kg wet	N/A	N/A	21.7		109		85-115			
Methyl tert-Butyl Ether	7J11008		20.000	ug/kg wet	N/A	N/A	20.7		103		85-115			
Naphthalene	7J11008		20.000	ug/kg wet	N/A	N/A	17.2		86		80-120			
Toluene	7J11008		20.000	ug/kg wet	N/A	N/A	21.7		109		85-115			
1,2,4-Trimethylbenzene	7J11008		20.000	ug/kg wet	N/A	N/A	21.0		105		85-115			
1,3,5-Trimethylbenzene	7J11008		20.000	ug/kg wet	N/A	N/A	21.4		107		85-115			
Xylenes, total	7J11008		60.000	ug/kg wet	N/A	N/A	65.5		109		85-115			
Surrogate: 4-Bromofluorobenzene	*7J11008*			ug/kg wet					*100*		*85-115*			
Benzene	7J12009		20.000	ug/kg wet	N/A	N/A	21.3		107		85-115			
Ethylbenzene	7J12009		20.000	ug/kg wet	N/A	N/A	21.8		109		85-115			
Methyl tert-Butyl Ether	7J12009		20.000	ug/kg wet	N/A	N/A	21.2		106		85-115			
Naphthalene	7J12009		20.000	ug/kg wet	N/A	N/A	18.3		91		80-120			
Toluene	7J12009		20.000	ug/kg wet	N/A	N/A	21.8		109		85-115			
1,2,4-Trimethylbenzene	7J12009		20.000	ug/kg wet	N/A	N/A	21.1		106		85-115			
1,3,5-Trimethylbenzene	7J12009		20.000	ug/kg wet	N/A	N/A	21.5		107		85-115			
Xylenes, total	7J12009		60.000	ug/kg wet	N/A	N/A	65.8		110		85-115			
Surrogate: 4-Bromofluorobenzene	*7J12009*			ug/kg wet					*99*		*85-115*			
Purgeable Organic Compounds by EPA Method 524.2														
Benzene	7J08011		10.000	ug/L	N/A	N/A	10.2		102		80-120			
Bromobenzene	7J08011		10.000	ug/L	N/A	N/A	10.2		102		80-120			
Bromochloromethane	7J08011		10.000	ug/L	N/A	N/A	9.96		100		80-120			
Bromodichloromethane	7J08011		10.000	ug/L	N/A	N/A	10.2		102		80-120			
Bromoform	7J08011		10.000	ug/L	N/A	N/A	10.5		105		80-120			
Bromomethane	7J08011		10.000	ug/L	N/A	N/A	8.81		88		80-120			
n-Butylbenzene	7J08011		10.000	ug/L	N/A	N/A	11.1		111		80-120			
sec-Butylbenzene	7J08011		10.000	ug/L	N/A	N/A	11.1		111		80-120			
tert-Butylbenzene	7J08011		10.000	ug/L	N/A	N/A	10.7		107		80-120			
Carbon Tetrachloride	7J08011		10.000	ug/L	N/A	N/A	10.3		103		80-120			
Chlorobenzene	7J08011		10.000	ug/L	N/A	N/A	10.2		102		80-120			
Chlorodibromomethane	7J08011		10.000	ug/L	N/A	N/A	10.3		103		80-120			
Chloroethane	7J08011		10.000	ug/L	N/A	N/A	9.80		98		80-120			
Chloroform	7J08011		10.000	ug/L	N/A	N/A	9.98		100		80-120			
Chloromethane	7J08011		10.000	ug/L	N/A	N/A	9.43		94		80-120			
2-Chlorotoluene	7J08011		10.000	ug/L	N/A	N/A	10.4		104		80-120			
4-Chlorotoluene	7J08011		10.000	ug/L	N/A	N/A	10.6		106		80-120			
1,2-Dibromo-3-chloropropane	7J08011		10.000	ug/L	N/A	N/A	10.8		108		80-120			
1,2-Dibromoethane (EDB)	7J08011		10.000	ug/L	N/A	N/A	10.2		102		80-120			
Dibromomethane	7J08011		10.000	ug/L	N/A	N/A	10.1		101		80-120			
1,2-Dichlorobenzene	7J08011		10.000	ug/L	N/A	N/A	10.3		103		80-120			
1,3-Dichlorobenzene	7J08011		10.000	ug/L	N/A	N/A	10.5		105		80-120			
1,4-Dichlorobenzene	7J08011		10.000	ug/L	N/A	N/A	10.4		104		80-120			
Dichlorodifluoromethane	7J08011		10.000	ug/L	N/A	N/A	10.2		102		80-120			

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQJ0287
Project: Moose Junction
Project Number: 1157332779

Received: 10/05/07
Reported: 10/15/07 11:54

CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
urgeable Organic Compounds by EPA Method 524.2														
,1-Dichloroethane	7J08011		10.000	ug/L	N/A	N/A	10.0		100		80-120			
1,2-Dichloroethane	7J08011		10.000	ug/L	N/A	N/A	10.1		101		80-120			
1,1-Dichloroethene	7J08011		10.000	ug/L	N/A	N/A	10.0		100		80-120			
s-1,2-Dichloroethene	7J08011		10.000	ug/L	N/A	N/A	9.99		100		80-120			
ans-1,2-Dichloroethene	7J08011		10.000	ug/L	N/A	N/A	9.85		98		80-120			
1,2-Dichloropropane	7J08011		10.000	ug/L	N/A	N/A	10.1		101		80-120			
',3-Dichloropropane	7J08011		10.000	ug/L	N/A	N/A	10.3		103		80-120			
,2-Dichloropropane	7J08011		10.000	ug/L	N/A	N/A	10.3		103		80-120			
ı,1-Dichloropropene	7J08011		10.000	ug/L	N/A	N/A	10.4		104		80-120			
cis-1,3-Dichloropropene	7J08011		10.000	ug/L	N/A	N/A	10.2		102		80-120			
ans-1,3-Dichloropropene	7J08011		10.000	ug/L	N/A	N/A	10.1		101		80-120			
thylbenzene	7J08011		10.000	ug/L	N/A	N/A	10.8		108		80-120			
Hexachlorobutadiene	7J08011		10.000	ug/L	N/A	N/A	9.25		92		80-120			B
sopropylbenzene	7J08011		10.000	ug/L	N/A	N/A	10.9		109		80-120			
-Isopropyltoluene	7J08011		10.000	ug/L	N/A	N/A	11.3		113		80-120			
Methylene Chloride	7J08011		10.000	ug/L	N/A	N/A	10.0		100		80-120			
Methyl tert-Butyl Ether	7J08011		10.000	ug/L	N/A	N/A	9.92		99		80-120			
laphthalene	7J08011		10.000	ug/L	N/A	N/A	10.1		101		80-120			
-Propylbenzene	7J08011		10.000	ug/L	N/A	N/A	10.6		106		80-120			
Styrene	7J08011		10.000	ug/L	N/A	N/A	10.4		104		80-120			
1,1,1,2-Tetrachloroethane	7J08011		10.000	ug/L	N/A	N/A	10.3		103		80-120			
,1,2,2-Tetrachloroethane	7J08011		10.000	ug/L	N/A	N/A	10.2		102		80-120			
etrachloroethene	7J08011		10.000	ug/L	N/A	N/A	10.0		100		80-120			
Toluene	7J08011		10.000	ug/L	N/A	N/A	10.6		106		80-120			
',2,3-Trichlorobenzene	7J08011		10.000	ug/L	N/A	N/A	9.98		100		80-120			
,2,4-Trichlorobenzene	7J08011		10.000	ug/L	N/A	N/A	10.0		100		80-120			
ı,1,1-Trichloroethane	7J08011		10.000	ug/L	N/A	N/A	9.99		100		80-120			
1,1,2-Trichloroethane	7J08011		10.000	ug/L	N/A	N/A	10.2		102		80-120			
richloroethene	7J08011		10.000	ug/L	N/A	N/A	9.96		100		80-120			
richlorofluoromethane	7J08011		10.000	ug/L	N/A	N/A	10.1		101		80-120			
1,2,3-Trichloropropane	7J08011		10.000	ug/L	N/A	N/A	10.3		103		80-120			
',2,4-Trimethylbenzene	7J08011		10.000	ug/L	N/A	N/A	10.9		109		80-120			
,3,5-Trimethylbenzene	7J08011		10.000	ug/L	N/A	N/A	10.9		109		80-120			
Vinyl chloride	7J08011		10.000	ug/L	N/A	N/A	9.92		99		80-120			
Xylenes, Total	7J08011		30.000	ug/L	N/A	N/A	33.2		111		80-120			
urrogate: 4-Bromofluorobenzene	*7J08011*			ug/L					*100*		*80-120*			
urrogate: 1,2-Dichlorobenzene-d4	*7J08011*			ug/L					*104*		*80-120*			

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQJ0287
Project: Moose Junction
Project Number: 1157332779

Received: 10/05/07
Reported: 10/15/07 11:54

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
GC VOLATILES														
Benzene	7100440		20.000	ug/L	N/A	N/A	21.2	21.2	106	106	80-120	0	20	
Ethylbenzene	7100440		20.000	ug/L	N/A	N/A	21.4	21.1	107	106	80-120	1	20	
Methyl tert-Butyl Ether	7100440		20.000	ug/L	N/A	N/A	21.3	21.6	107	108	80-120	1	20	
Naphthalene	7100440		20.000	ug/L	N/A	N/A	18.6	18.0	93	90	80-120	4	20	
Toluene	7100440		20.000	ug/L	N/A	N/A	21.6	21.4	108	107	80-120	1	20	
1,2,4-Trimethylbenzene	7100440		20.000	ug/L	N/A	N/A	21.0	20.1	105	100	80-120	4	20	
1,3,5-Trimethylbenzene	7100440		20.000	ug/L	N/A	N/A	21.2	20.4	106	102	80-120	4	20	
Xylenes, total	7100440		60.000	ug/L	N/A	N/A	64.7	63.4	108	106	80-120	2	20	
Surrogate: 4-Bromofluorobenzene	*7100440*			ug/L					*100*	*99*	*80-200*			
Benzene	7100478		20.000	ug/L	N/A	N/A	21.2	21.3	106	107	80-120	1	20	
Ethylbenzene	7100478		20.000	ug/L	N/A	N/A	21.4	21.2	107	106	80-120	1	20	
Methyl tert-Butyl Ether	7100478		20.000	ug/L	N/A	N/A	21.0	21.7	105	108	80-120	3	20	
Naphthalene	7100478		20.000	ug/L	N/A	N/A	17.7	18.5	88	93	80-120	5	20	
Toluene	7100478		20.000	ug/L	N/A	N/A	21.6	21.5	108	108	80-120	0	20	
1,2,4-Trimethylbenzene	7100478		20.000	ug/L	N/A	N/A	20.8	20.4	104	102	80-120	2	20	
1,3,5-Trimethylbenzene	7100478		20.000	ug/L	N/A	N/A	21.2	20.6	106	103	80-120	3	20	
Xylenes, total	7100478		60.000	ug/L	N/A	N/A	64.7	63.8	108	106	80-120	1	20	
Surrogate: 4-Bromofluorobenzene	*7100478*			ug/L					*99*	*98*	*80-200*			

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQJ0287
Project: Moose Junction
Project Number: 1157332779

Received: 10/05/07
Reported: 10/15/07 11:54

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
urgeable Organic Compounds by EPA Method 524.2														
)C Source Sample: WQJ0287-05														
Benzene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.2	10.0	102	100	80-120	2	20	
Bromobenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.0	9.75	100	98	80-120	3	20	
romochloromethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.49	9.62	95	96	80-120	1	20	
romodichloromethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.87	9.78	99	98	80-120	1	20	
Bromoform	7100281	<0.050	10.000	ug/L	0.050	0.17	10.0	10.1	100	101	80-120	1	20	
romomethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.56	9.76	96	98	80-120	2	20	
-Butylbenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	11.4	11.4	114	114	80-120	0	20	
sec-Butylbenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	11.4	11.3	114	113	80-120	1	20	
tert-Butylbenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.9	10.9	109	109	80-120	1	20	
arbon Tetrachloride	7100281	<0.050	10.000	ug/L	0.050	0.17	10.4	10.1	104	101	80-120	3	20	
hlorobenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.1	10.0	101	100	80-120	1	20	
Chlorodibromomethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.77	9.64	98	96	80-120	1	20	
hloroethane	7100281	<0.050	10.000	ug/L	0.050	0.17	10.0	9.94	100	99	80-120	1	20	
hloroform	7100281	<0.050	10.000	ug/L	0.050	0.17	9.83	9.70	98	97	80-120	1	20	
Chloromethane	7100281	0.110	10.000	ug/L	0.050	0.17	9.46	9.76	94	96	80-120	3	20	
2-Chlorotoluene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.3	10.3	103	103	80-120	1	20	
-Chlorotoluene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.6	10.4	106	104	80-120	2	20	
,2-Dibromo-3-chloropropane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.98	10.4	100	104	80-120	4	20	
1,2-Dibromoethane (EDB)	7100281	<0.050	10.000	ug/L	0.050	0.17	9.26	9.26	93	93	80-120	0	25	
Dibromomethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.30	9.38	93	94	80-120	1	20	
,2-Dichlorobenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	9.92	9.83	99	98	80-120	1	20	
,3-Dichlorobenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.3	10.1	103	101	80-120	2	20	
1,4-Dichlorobenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.1	10.0	101	100	80-120	1	20	
Dichlorodifluoromethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.78	10.2	98	102	80-120	4	25	
,1-Dichloroethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.88	9.79	99	98	80-120	1	20	
1,2-Dichloroethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.67	9.52	97	95	80-120	2	20	
1,1-Dichloroethene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.2	10.2	102	102	80-120	1	20	
is-1,2-Dichloroethene	7100281	<0.050	10.000	ug/L	0.050	0.17	9.83	9.88	98	99	80-120	1	20	
ans-1,2-Dichloroethene	7100281	<0.050	10.000	ug/L	0.050	0.17	9.89	10.0	99	100	80-120	1	20	
1,2-Dichloropropane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.80	9.67	98	97	80-120	1	20	
,3-Dichloropropane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.72	9.54	97	95	80-120	2	20	
,2-Dichloropropane	7100281	<0.050	10.000	ug/L	0.050	0.17	10.2	9.96	102	100	80-120	3	20	
ı,1-Dichloropropene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.5	10.3	105	103	80-120	2	20	
cis-1,3-Dichloropropene	7100281	<0.050	10.000	ug/L	0.050	0.17	9.92	9.45	99	94	80-120	5	20	
rans-1,3-Dichloropropene	7100281	<0.050	10.000	ug/L	0.050	0.17	9.55	9.20	96	92	80-120	4	20	
thylbenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.6	10.5	106	105	80-120	1	20	
Hexachlorobutadiene	7100281	<0.050	10.000	ug/L	0.050	0.17	9.72	9.93	97	99	80-120	2	20	B
sopropylbenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	11.2	11.0	112	110	80-120	1	20	
-Isopropyltoluene	7100281	<0.050	10.000	ug/L	0.050	0.17	11.5	11.6	115	116	80-120	1	20	
Methylene Chloride	7100281	0.280	10.000	ug/L	0.25	0.83	9.76	9.70	95	94	80-120	1	20	
Methyl tert-Butyl Ether	7100281	<0.050	10.000	ug/L	0.050	0.17	9.36	9.34	94	93	80-120	0	20	
Naphthalene	7100281	<0.25	10.000	ug/L	0.25	0.83	9.82	9.89	98	99	80-120	1	20	
-Propylbenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.8	10.7	108	107	80-120	1	20	
Styrene	7100281	<0.050	10.000	ug/L	0.050	0.17	9.99	9.98	100	100	80-120	0	20	
1,1,1,2-Tetrachloroethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.93	9.83	99	98	80-120	1	20	

TETRA TECH, INC.
1837 County Hwy OO
Chippewa Falls, WI 54729
Mr. Mike Neal

Work Order: WQJ0287
Project: Moose Junction
Project Number: 1157332779

Received: 10/05/07
Reported: 10/15/07 11:54

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Purgeable Organic Compounds by EPA Method 524.2														
QC Source Sample: WQJ0287-05														
1,1,2,2-Tetrachloroethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.56	9.23	96	92	80-120	4	25	
Tetrachloroethene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.2	9.96	102	100	80-120	2	20	
Toluene	7100281	0.350	10.000	ug/L	0.050	0.17	10.9	10.8	106	105	80-120	1	20	
1,2,3-Trichlorobenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	9.64	9.97	96	100	80-120	3	20	
1,2,4-Trichlorobenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.1	10.0	101	100	80-120	1	20	
1,1,1-Trichloroethane	7100281	<0.050	10.000	ug/L	0.050	0.17	10.1	10.1	101	101	80-120	1	20	
1,1,2-Trichloroethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.44	9.36	94	94	80-120	1	20	
Trichloroethene	7100281	<0.050	10.000	ug/L	0.050	0.17	10.1	9.85	101	98	80-120	2	20	
Trichlorofluoromethane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.70	9.80	97	98	80-120	1	20	
1,2,3-Trichloropropane	7100281	<0.050	10.000	ug/L	0.050	0.17	9.63	9.45	96	94	80-120	2	20	
1,2,4-Trimethylbenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	11.1	11.0	111	110	80-120	1	20	
1,3,5-Trimethylbenzene	7100281	<0.050	10.000	ug/L	0.050	0.17	11.1	11.1	111	111	80-120	1	20	
Vinyl chloride	7100281	<0.016	10.000	ug/L	0.016	0.052	10.0	10.5	100	105	80-120	4	20	
Xylenes, Total	7100281	<0.050	30.000	ug/L	0.050	0.17	33.6	33.3	112	111	80-120	1	20	
Surrogate: 4-Bromofluorobenzene	*7100281*			ug/L					*103*	*101*	*76-116*			
Surrogate: 1,2-Dichlorobenzene-d4	*7100281*			ug/L					*102*	*100*	*80-119*			

602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

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1837 County Hwy OO
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Work Order: WQJ0287
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Received: 10/05/07
Reported: 10/15/07 11:54

CERTIFICATION SUMMARY

TestAmerica - Watertown, WI

Method	Matrix	Nelac	Wisconsin
EPA 524.2	Water - NonPotable		
SW 8021	Water - NonPotable		

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
J	Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
S2	Compound is a common lab solvent and contaminant.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

WQJ0287 - WT

TestAmerica ANALYTICAL TESTING CORPORATION

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Tetra Tech. Client #: _____
Address: 1837 City Hwy OO
City/State/Zip Code: C. Falls, WI
Project Manager: Mike Neal
Telephone Number: _____ Fax: _____
Sampler Name: (Print Name) Eric Olson
Sampler Signature: _____

Project Name: Moose Junction
Project #: 115733276
Site/Location ID: _____ State: WI
Report To: Mike Neal
Invoice To: Trent Sprague - C/C Tetra Tech.
Quote #: _____ PO#: _____

TAT
___ Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: PVOCs + Naphthalene	VOC 524.2	REMARKS
01	MW-1	10/3/07	9:40	G	N	W		3					X		
02	MW-2		10:20					3					X		
03	MW-4		10:40					3					X		
04	MW-5		11:40					3					X		
05	PW-1							3						X	one bottle labeled as Vial
06	PW-2							3						X	
07	Trip Blank									1			X	This Trip Blank is Methanol, do not Analyze in Lab 10-5-07	

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 0° ice
Custody Seals: Y N (N/A)
Bottles Supplied by Test America: (Y) N
Method of Shipment: F/X 10/4/07

Relinquished By:	Date: 10/3/07	Time: 5:00	Received By: K Warnock	Date: 10/5/07	Time: 7:30am
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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Appendix D

Mann – Kendall Statistical Test

State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program

Mann-Kendall Statistical Test
Form 4400-215 (2/2001)

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Site Name :	Moose Junction Lounge Site, Dairyland, Wisconsin	BRRTS No. =	03-16-000301	Well Number =	MW-2

	Compound ->	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total TMB	MTBE
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	1-Nov-93	10,500.00					
2	1-Mar-94	55,200.00					
3	1-Nov-03	6,400.00					
4	1-Apr-06	4,900.00					
5	18-Apr-07	77.00					
6	15-Aug-07	8,600.00					
7	3-Oct-07	170.00					
8							
9							
10							
	Mann Kendall Statistic (S) =	-11.0	0.0	0.0	0.0	0.0	0.0
	Number of Rounds (n) =	7	0	0	0	0	0
	Average =	12263.86	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Standard Deviation =	19336.664	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Coefficient of Variation(CV)=	1.577	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Error Check, Blank if No Errors Detected			n<4	n<4	n<4	n<4	n<4
Trend ≥ 80% Confidence Level		DECREASING	n<4	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level		DECREASING	n<4	n<4	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level		NA	n<4 n<4	n<4 n<4	n<4 n<4	n<4 n<4	n<4 n<4

Data Entry By =	JL	Date =	14-Dec-07	Checked By =	??

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Appendix E

NR 746 Risk Analysis

Moose Junction Lounge Site
NR 746 Risk Analysis

Wisconsin Administrative Code Chapter NR 746 was created to "measure the environmental, safety and health risks associated with petroleum contaminations, and to determine a required action level which could include, but not be limited to, adequate source control and measures to address environmental risk factors, or whether the site may be closed without additional action." The following risks must be evaluated during a site investigation.

746.06(2)(a) – Do any of the following risks, as defined in NR 746 exist at this site?

1. Documented expansion of plume margin?	____ *Yes*	_X_ *No*	___ *NA*
2. Verified PAL exceedance in a private or public potable well?	___ *Yes*	_X_ *No*	___ *NA*
3. Contamination within, or within 1 meter of, bedrock?	___ *Yes*	_X_ *No*	___ *NA*
4. More than 0.01 inches of free product during more than one sampling event?	___ *Yes*	_X_ *No*	___ *NA*
5. Documented contamination discharges to surface waters or wetlands?	____ *Yes*	_X_ *No*	___ *NA*

746.06(2)(b) – Do soil contaminants exceed Table 1 levels? _X_ *Yes* ____ *No* ___ *NA*

746.06(2)(c) – Is soil contamination within 4 feet of the ground surface present at concentrations exceeding Table 2 values? ____ *Yes* _X_ *No* __ *NA*

746.06(2)(d) – Have human health risks from direct contact been addressed for other contaminants of concern? ___ *Yes* ____ *No* _X_ *NA*

746.06(2)(f) –Is the most recent petroleum release greater than 10 years? _X_ *Yes* ___ *No* ___ *NA*

746.06(2)(g) – Is there evidence of petroleum product contaminant migration within a utility corridor or within a permeable material or soil along which vapors, free product, or contaminated water may flow? ____ *Yes* _X_ *No* ___ *NA*

746.06(2)(h) – Is there evidence of migration or imminent migration of petroleum product contamination to building foundation drain tile, sumps or other points of entry into a basement or other enclosed structure where petroleum vapors could collect and create odors or an adverse impact on indoor air quality or where the contaminants may pose an explosion hazard? ____ *Yes* _X_ *No* ___ *NA*

746.06(2)(i) – Is there an ES exceedance in any groundwater within 1,000 feet of a public utility well or 100 feet of any other well used to provide water for human consumption? _X_ *Yes* ___ *No* ___ *NA*

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